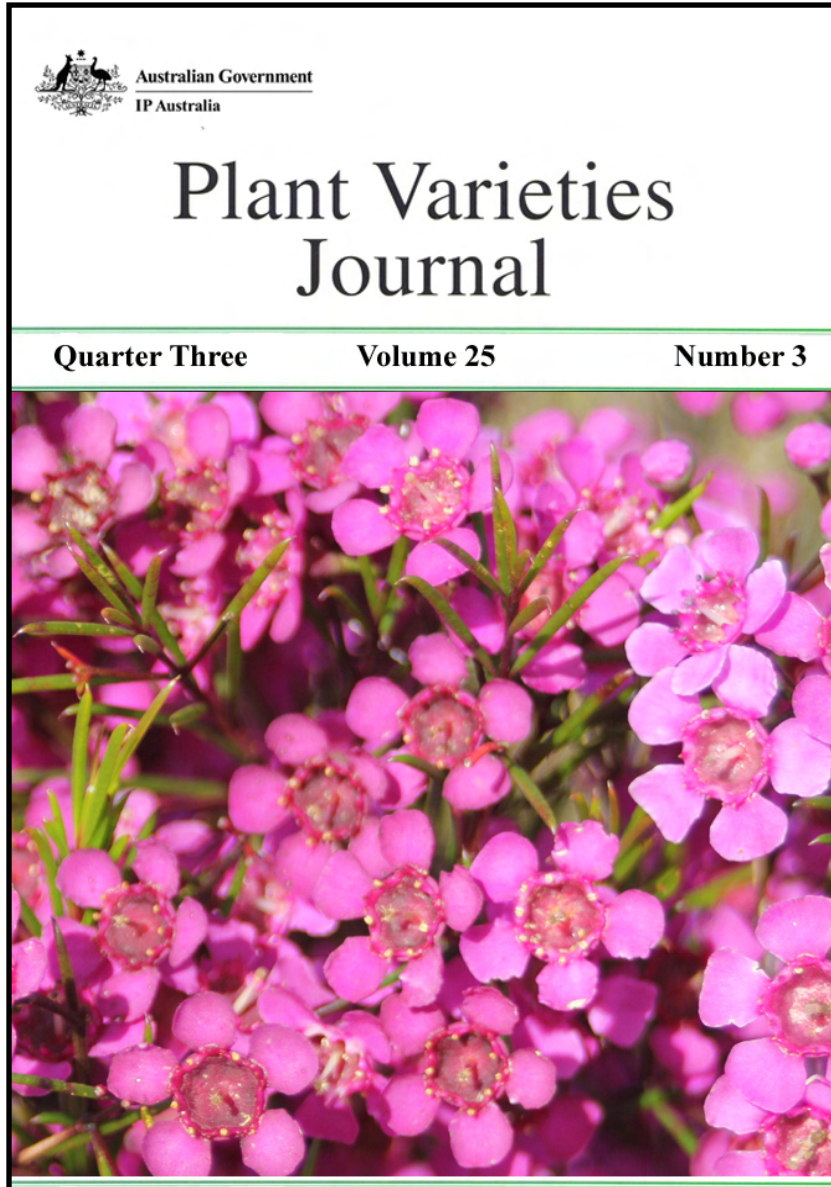




**Australian Government**  
**IP Australia**

**Plant Varieties Journal - Optimised for Screen Viewing**



Plant Varieties Journal

Official Journal of Plant Breeder's  
Rights Office, IP Australia

Quarter Three 2012

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Part 1 of *Plant Varieties Journal* provides the link with the General Information about the Plant Breeder's Rights Scheme, the procedures for objections and revocations, UPOV developments, important changes, official notices etc. The General Information pages of *Plant Varieties Journal* (Vol. 25 Issue 3) are listed below:

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## **Interactive Variety Description System (IVDS)**

For preparing the detailed description, the Plant Breeder's Rights Office (PBRO) has released the Interactive Variety Description System (IVDS) in the Internet ([https://pbr-ivds.ipaustralia.plantbreeders.gov.au/pbr\\_ivds/](https://pbr-ivds.ipaustralia.plantbreeders.gov.au/pbr_ivds/)) for the Qualified Persons (QPs).

In the beginning of April 2005, all QPs have officially been notified of this new system giving them access to IVDS with their individual user name and password. The main purpose of the system is to harmonise variety descriptions at both national and international level and make the PBR application process as smooth and efficient as possible.

The IVDS allows QPs to fill in descriptions on-line by accessing relevant test guidelines and selecting specific characteristics with their various states of expressions from the options provided. The IVDS incorporated all of the approved UPOV test guidelines (and some national equivalents where a UPOV test guideline is not available) into interactive forms with easy to use drop-down menus. QPs can "build" their own additional/special characteristics if they are not available in the guideline. The IVDS also accepts statistical information.

The IVDS emphasises the use of "grouping characteristics" in selecting comparator varieties. Finally, it allows QPs to lodge the completed variety descriptions on-line. There is a minimum typing involved in the process.

The PBRO anticipates that the QPs had the opportunity to familiarise themselves with IVDS during the testing and demonstration phase (August – Dec 2004) and could operate the system comfortably. There are step by step on-screen instructions with examples in each step of IVDS, which will assist the QPs to complete the process smoothly. In addition, PBRO is ready to help QPs, if they encounter any problem. Please send an e-mail to [pbr@ipaustralia.gov.au](mailto:pbr@ipaustralia.gov.au) if there is a problem in completing the description using IVDS.

## Objections and revocations

### **Objections to Applications and Requests for Revocation of a Grant or of a Declaration that a Plant Variety is Essentially Derived from Another Plant Variety**

The Plant Breeder's Rights scheme is administered consistent with the model law of the *International Convention for the Protection of New Plant Varieties 1991* (UPOV 91), that is, applicants are entitled to protection, in the absence of proof to the contrary.

The Plant Breeder's Rights Office (PBRO) is not required to advocate for the views, assertions, and opinions of persons challenging an application for plant breeder's rights. Those objecting to applications, requesting revocation of a grant, or seeking a declaration that a plant variety is essentially derived from another plant variety should provide sufficient probative evidence to enable the Secretary to be satisfied of their validity of their claims. It cannot be stressed too strongly that all available evidence ought to accompany the application for objection/revocation/declaration at the outset.

Occasionally the PBRO receives comments on applications. The PBRO seeks to give effect to the processes set out in the PBR Act. The Act provides for a formal objection process, and comments are not formal objections. Where members of the public genuinely believe their commercial interests would be affected and that PBR for a proposed variety ought not to be granted, they are encouraged to use the Act's processes, eg. lodging an objection. Comments are simply informal information from the public to a governmental decision maker. The PBRO will generally not engage in further communication with the commentator regarding their comment, although the comment may be valuable in alerting the PBRO to an important matter of which it was previously unaware.

### **Objections to Applications**

A person may make objections to applications for PBR if (i) their commercial interests would be affected adversely, and (ii) the application will not fulfil all the conditions required by the Plant Breeder's Rights Act.

Objections to applications must be lodged with the Registrar no later than six months after the date the description of the variety is published in this journal. The objector must provide evidence of adverse affect on their commercial interests and that the application should not be granted.

The Registrar of the Plant Breeder's Rights Office (PBRO) is required to give a copy of the objection to the applicant. The objection is also available to the general public on request. The applicant has the opportunity to respond to the evidence presented. The Registrar then decides whether or not the objection will be upheld and, subsequently, whether the application will be granted. The PBRO is under no obligation to enter into further dialogue regarding an objection or to communicate reasons why an objection is not upheld. If an objection is upheld it will be notified in this journal.

A payment of \$100 is required on lodgement of the objection. Additional costs of \$75 per hour for work undertaken in relation to the objection will be billed to the objector.

**Requests for Revocation, (where an individual's interests are affected) of:**

- **a Grant**
- **a Declaration that a Plant Variety is Essentially Derived**

A person may, when their interests are affected adversely, apply for the revocation of:

- a grant of PBR; or
- a declaration that a plant variety is essentially derived from another plant variety.

The person requesting revocation is required to lodge a revocation payment fee of \$500. The person seeking revocation of a grant or declaration that a plant variety is essentially derived from another plant, must provide conclusive evidence of adverse affect on their interests and that the grant should be revoked.

The PBRO also accepts information regarding revocation of grants and declarations of essentially derived plant varieties. Such information must demonstrate conclusively that a grant or declaration should not have been made. All written information will be acknowledged. The PBRO is under no obligation to enter into further communication regarding information provided.

## Report on Breeding Issues

A report providing greater clarification of certain ‘difficult’ and sometimes controversial plant breeding issues has been finalised by a panel of experts. The report defines ‘discovery’, ‘selective propagation’ and ‘eligible breeding’ methodologies as well as canvassing questions and answers to a range of situations. The principal areas covered are the source population and associated issues relating to ownership, location, homogeneity, parentage, boundaries, and selection from variable material. The issue of essentially derived varieties and the relationship between the first and the second breeder(s) is also explored. The [final report](#) of the expert panel is available now.

## Use of Overseas Data

### Overseas Testing/Data

The PBR Act allows DUS data produced in other countries (overseas data) be used in lieu of conducting a comparative trial in Australia provided certain conditions are met; relating to the filing of applications, sufficiency of the data and the likelihood that the candidate variety will express the distinctive characteristic(s) in the same way when grown locally. Briefly the overseas data could be considered where:

- The first PBR application relating to the candidate variety has been lodged overseas, and
- the variety has previously been test grown in a UPOV member country using official UPOV test guidelines and test procedures, (i.e. equivalent to a comparative trial in Australia) and
- either, all the most similar varieties of common knowledge (including those in Australia) have been included in the overseas DUS trial, or
- the new overseas variety is so clearly distinct from all the Australian varieties of common knowledge that further DUS test growing is not warranted, and
- sufficient data and descriptive information is available to publish a description of the variety in an accepted format in Plant Varieties Journal; and to satisfy the requirements of the PBR Act.

### Taxa that must be trailed in Australia

It is the policy of PBR office to not accept overseas data for the following taxa due to the wide genotype by environment interactions that have been previously experienced. Varietal descriptions from overseas trials have consistently been different from those obtained from trials grown under Australian conditions. Consequently, for the following taxa a full PBR trial must be conducted in Australia:

#### *Solanum tuberosum* Potato

The Qualified Person, in consultation with the agent/applicant, and perhaps other specialists and taxonomists, will need to evaluate the overseas data, test report and photographs to see if the application does fulfil all PBR Office requirements, and then advise the agent/applicant:

- either, to submit Part 2 incorporating a description for publication, any additional data and photographs and to pay the examination fee;
- or, to conduct a DUS trial in Australia, recommending to the applicant/agent which additional varieties of common knowledge to include;

- or, submit Part 2 including additional data (information about similar varieties in Australia to show that they are clearly distinct from the candidate variety that a further DUS test growing including the similar varieties is not warranted and that the variety displays the distinctive characteristics when grown in Australia)

Please note that the PBR office does not obtain overseas DUS test reports on behalf of applicants. It is the sole responsibility of the applicants to obtain these reports directly from the relevant overseas testing authorities. Where applicants already have the report they are advised to submit a certified true copy of the report with the Part 1 application. Applicants, or those duly authorised, may certify the copy.

If you do not have the test report available at the time of Part-1 application then you are advised to submit the Part-1 application without the test report. However, you should make arrangements to procure the DUS test report directly from the relevant testing authority. When the report becomes available, a certified copy should be supplied to the QP and the PBR office.

When the trial is based on an UPOV technical guideline and test report in an official UPOV language (English, German or French), it can be lodged in support of the application. In other cases the test reports must be in English.

The applicant/agent and Qualified Person should use the overseas test report to complete Part 2 of the application, making a decision on how to proceed in view of the completeness of the information, the comparators (if any) used in the overseas DUS trial and their knowledge of similar Australian varieties that may not have been included in the overseas test report.

If a description is based on an overseas test report, Australian PBR will not be granted until after the decision to grant PBR in the country producing the DUS test is made. The final decision on the acceptability of overseas data rests with the PBR office.



## **PBR Infringement**

Grantees should be aware of recent revisions to infringement provisions of the [Plant Breeder's Rights Act 1994](#) (see section 54) and related provisions of the Federal Court Rules (see order 58 rule 27) both of which can be found at the [ComLaw site](#)

## On-line Database for PBR Varieties

The PBR Office has a comprehensive service for Internet users ~ a searchable database for all Australian PBR varieties, both past and present. The database features a detailed description and image for every variety granted full rights and basic information for other PBR varieties. Searches by genus, species, common name, variety name and titleholder are some of its many advantages. Varieties for which an application has been lodged but not yet accepted in the PBR scheme are not included in this database. Please browse the Plant Breeder's Rights [on-line](#) database and provide your feedback.

## Cumulative Index to Plant Varieties Journal

The cumulative index to the [\*Plant Varieties Journal\*](#) has been updated to include variety information from all hardcopy versions up to volume 16 issue 3. After that issue the Plant Varieties Journal is only published in the electronic format and there is no need for a cumulative index, as the variety information can be easily searched in the PBR [online database](#) and also by downloading the [\*Plant Varieties Journal\*](#) electronically.

The final updated version of the cumulative index is available in PBR website. This document has information up to Plant Varieties Journal volume 16 issue 3. The PBR office recommends use its PBR [online database](#) to get most updated information on variety registration. The [online database](#) is updated on a weekly basis.

## Applying for Plant Breeder's Rights

Applications are accepted from the original breeder of a new variety (from their employer if the breeder is an employee) or from a person who has acquired ownership from the original breeder. Overseas breeders need to appoint an agent to represent their interests in Australia. Interested parties should contact the PBR office and an accredited Qualified Person experienced in the plant species in question.

### Steps in Applying for Plant Breeder's Rights

- Obtain from the breeder a signed Authorisation to act as their agent in Australia for the variety in question if your role is as the Australian agent of an overseas breeder;
- Complete [Part 1](#) of the application form, supplying a photograph of the new variety, paying the [application fee](#), nominating an accredited '[Qualified Person](#)' and, if the variety is an Australian species, despatch as soon as possible a [herbarium specimen](#);
- Engage the services of the nominated accredited 'Qualified Person' to plan and supervise the [comparative growing trial](#);
- Conduct a comparative growing trial to demonstrate Distinctness, Uniformity and Stability ([DUS](#)), complete [Part 2](#) of the application form and paying the [examination fee](#);
- Deposit propagating material in a [Genetic Resources Centre](#).
- Examination of the application by the PBR Office, which may include a field examination of the comparative growing trial; and including
- Publication of a description and photograph comparing the new variety with similar varieties in Plant Varieties Journal, followed by a six-month period for objection or comment.
- Upon successful completion of all the requirements, resolution of objections (if any) and payment of [certificate fee](#), the applicant(s) receive a Certificate of Plant Breeder's Rights.

## Requirement to Supply Comparative Varieties

Once an application has been accepted by the PBR office, it is covered by provisional protection. Also it immediately becomes a 'variety of common knowledge' and thus may be required by others as a comparator for their applications with a higher application number.

Applicants are reminded that they are required to release propagative material for comparative testing provided that the material is used for no other purpose and all material relating to the variety is returned when the trial is complete. The expenses incurred in the provision of material for comparative trials are borne by those conducting the trials.

As the variety is already under provisional protection, any use outside the conditions outlined above would qualify as an infringement and would be dealt with under section 53 of the [\*Plant Breeder's Rights Act 1994\*](#).

Applicants having difficulties procuring varieties for use in comparative trials are urged to contact the PBR office immediately

## UPOV Developments

The UPOV Convention provides the international legal framework for the granting of plant breeders' rights which are a key element in encouraging breeders to pursue and enhance their search for improved varieties with benefits such as higher yield and quality and better resistance to pests and diseases. Plant breeders' rights thereby help to enhance sustainable agriculture, productivity, income, international trade and economic development in general.

### **The members of UPOV are (as of 27 April 2012):**

Albania, Argentina, Australia, Austria, Azerbaijan, Belarus, Belgium, Bolivia, Brazil, Bulgaria, Canada, Chile, China, Colombia, Costa Rica, Croatia, Czech Republic, Denmark, Dominican Republic, Ecuador, European Community, Estonia, Finland, France, Georgia, Germany, Hungary, Iceland, Ireland, Israel, Italy, Japan, Jordan, Kenya, Kyrgyzstan, Latvia, Lithuania, Mexico, Morocco, Netherlands, New Zealand, Nicaragua, Norway, Oman, Panama, Paraguay, Peru, Poland, Portugal, Republic of Korea, Republic of Macedonia, Republic of Moldova, Romania, Russian Federation, Singapore, Slovakia, Slovenia, South Africa, Spain, Sweden, Switzerland, Trinidad and Tobago, Turkey, Tunisia, Ukraine, United Kingdom, United States of America, Uruguay, Uzbekistan and Vietnam. (Total 70).

Further Information on UPOV and its activities is available on the website located at <http://www.upov.int>

The adopted UPOV Technical Guidelines (TG) for testing different plant species are now available for this website at [http://www.upov.int/test\\_guidelines/en/](http://www.upov.int/test_guidelines/en/)

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## European Developments

Community plant variety rights within the European Union are administered by the Community Plant Variety Office (CPVO) in Angers, France. With more than 2,600 applications per year, the CPVO receives the highest number of requests for variety protection among the members of UPOV. The CPVO provides for one application, one examination and one title of protection that is valid and enforceable in all 27 members of the European Union.

The potential applicants for Plant Variety Rights within European Union are requested to consult [Notes for Applicants](#) published by the Community Plant Variety Office (CPVO). This note aims to answer legal, administrative and financial questions that one may have when requesting Community plant variety rights. Further information is available from [CPVO website](#).

## Obligation under the International Convention for the Protection of New Varieties of Plants 1991 (UPOV91)

Consistent with Australia's membership of UPOV 1991, the criteria for the granting of protection under the [Plant Breeder's Rights Act 1994](#) (PBRA) is that the variety: has a breeder; is new, distinct, uniform and stable; has an acceptable name; and that application formalities are completed and relevant fees payed.

Applicants for protection need to be aware of the existence of any other Australian legislation, which could impact on their intended use of the registered variety. Administrators of other Australian legislation may have an interest in applications for registration notified in this journal.

It is feasible for a new variety to be registered under the PBRA, but, as the PBRA co-exists with other laws of the land, the exercise of the breeder's right may be restricted by such legislation. For example, current legislation may prohibit the use of that variety in food, or, the growing of that variety as a noxious weed.

The Plant Breeder's Rights Office (PBRO) advises that it is the responsibility of the applicant and of administrators of legislation to take these matters up directly between the responsible parties and not with the PBRO.



## Instructions to Qualified Persons

Instruction to Qualified Persons: Interactive Variety Description System (IVDS) for Preparing Detailed Description for Plant Varieties Journal

For preparing the detailed description, the Plant Breeder's Rights Office (PBRO) has released the Interactive Variety Description System (IVDS) in the Internet ([https://pbr-ivds.ipaustralia.plantbreeders.gov.au/pbr\\_ivds/](https://pbr-ivds.ipaustralia.plantbreeders.gov.au/pbr_ivds/)) for the Qualified Persons (QPs).

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**The detailed descriptions are accepted only in the IVDS format.**

Also, please note that after finalising the description through IVDS, the QPs will still need to submit the signed hardcopies of the Part 2 documentations in order to complete the application process. Please contact the PBRO ([pbr@ipaustralia.gov.au](mailto:pbr@ipaustralia.gov.au)) for further information.

## Official Notification of Approved Means

On 10 May 2012 we announced that the Australian Government has approved within the context of its 2012 Budget changes to fees charged for IP Australia's products and services.

The fee changes include incentives for customers to use an *approved means* for specific transactions. Customers that file in this way will benefit through a lower fee.

The Registrar has specified that from 1 July 2012 the *approved means* is as follows:

- when renewing an IP Right (patent, trade mark, design or plant breeder's right) the transaction must be made using eServices or by Business to Business (B2B).

When a renewal is completed by another means from 1 July 2012 (for example by mail, facsimile or at a counter) the lower fee will not apply.

The *approved means* will be amended in advance of further releases of eServices and B2B as they are made available.

More information about the new fee structures, eServices and B2B can be found at [www.ipaustralia.gov.au](http://www.ipaustralia.gov.au).

**Contact:** IP Australia  
**Phone:** 1300 651 010  
**Fax:** +61 2 6283 7999  
**E-mail:** [assist@ipaustralia.gov.au](mailto:assist@ipaustralia.gov.au)



Australian Government  
IP Australia

## Part 2 Public Notices (Acceptances, Descriptions, Grants, and Variations etc)

This part of the *Plant Varieties Journal* provides public notices on Acceptances, Variety Descriptions, Grants and Variations etc. The Part 2 Public Notices pages of *Plant Varieties Journal* (Vol. 25 Issue 3) are listed below:

- [Home](#)
- [Acceptances](#)
- [Variety Descriptions](#)
- [Grants](#)
- [Change of Agent](#)
- [Denomination Changed](#)
- [Applications Withdrawn](#)
- [Grants Surrendered](#)
- [Grants Revoked](#)
- [Corrigenda](#)

## ACCEPTANCES

The following varieties are under provisional protection from the date of acceptance:

*Acer rubrum*

SWAMP MAPLE, RED MAPLE

### **'Frank Jr'**

Application No: 2012/097 Accepted: 19 July, 2012

Applicant: **J Frank Schmidt & Son.**

Agent: **Fleming's Nurseries Pty Ltd**, Monbulk, VIC.

*Aloe* hybrid

ALOE

### **'LEO 4363' syn Andrea's Orange**

Application No: 2011/012 Accepted: 4 September, 2012

Applicant: **Leo Peter Erik Thamm.**

Agent: **Michael Dent**, Taringa, QLD.

*Alstroemeria* hybrid

PERUVIAN LILY

### **'Konpepper'**

Application No: 2012/027 Accepted: 29 August, 2012

Applicant: **Konst Breeding B.V.**

Agent: **Ball Australia**, Keysborough, VIC.

*Ananas comosus*

PINEAPPLE

### **'Aus-Festival'**

Application No: 2012/149 Accepted: 9 August, 2012

Applicant: **State of Queensland through its Department of Agriculture, Fisheries and Forestry**,  
Brisbane, QLD.

*Banksia integrifolia*

COASTAL BANKSIA

**‘BIT 11’**

Application No: 2011/178 Accepted: 24 September, 2012  
Applicant: **Mansfields Propagation Nursery**, Skye, VIC.

*Brachyscome* hybrid

BRACHYSCOME

**‘Magenta Magic’**

Application No: 2012/066 Accepted: 2 August, 2012  
Applicant: **Outback Plants Pty Ltd**, Cranbourne, Vic.

*Brassica napus*

CANOLA

**‘StatusRR’**

Application No: 2012/155 Accepted: 3 September, 2012  
Applicant: **Canola Breeders Western Australia Pty Ltd**, Shenton Park, WA.

**‘Sturt TT’**

Application No: 2012/156 Accepted: 3 September, 2012  
Applicant: **Canola Breeders Western Australia Pty Ltd**, Shenton Park, WA.

*Camellia sasanqua*

CAMELLIA

**‘Parlove’**

Application No: 2012/132 Accepted: 10 August, 2012  
Applicant: **The Paradise Seed Company Pty. Ltd.**, Kariiong, NSW.

**‘Paroli’**

Application No: 2012/131 Accepted: 10 August, 2012  
Applicant: **The Paradise Seed Company Pty. Ltd.**, Kariiong, NSW.

*Chloris gayana*

RHODES GRASS

**‘Epica INTA-Peman’ syn Epica**

Application No: 2012/147 Accepted: 4 September, 2012

Applicant: **Instituto Nacional de Tecnología Agropecuaria (INTA).**

Agent: **Selected Seeds Pty Ltd**, Pittsworth, QLD.

*Cicer arietinum*

CHICKPEA

**‘PBA Maiden’**

Application No: 2012/165 Accepted: 25 September, 2012

Applicant: **Department of Primary Industries for and on behalf of the State of New South Wales; Grains Research & Development Corporation; Minister for Agriculture, Food and Fisheries;**

**Department of Agriculture, Fisheries and Forestry; Agriculture Victoria Services, Orange, NSW.**

**‘PBA Striker’**

Application No: 2012/164 Accepted: 25 September, 2012

Applicant: **Department of Primary Industries for and on behalf of the State of New South Wales; Grains Research & Development Corporation; Minister for Agriculture, Food and Fisheries;**

**Department of Agriculture, Fisheries and Forestry; Agriculture Victoria Services, Orange, NSW.**

*Coprosma repens*

MIRROR PLANT

**‘Ignite’**

Application No: 2012/173 Accepted: 12 September, 2012

Applicant: **Peter Fraser.**

Agent: **Plants Management Australia**, Dodges Ferry, TAS.

*Correa decumbens* x *reflexa*

NATIVE FUCHSIA

**‘CRP001’**

Application No: 2011/281 Accepted: 3 August, 2012

Applicant: **Peter Goldup.**

Agent: **Bushland Flora**, Mt Evelyn, VIC.

*Cynodon dactylon*

COUCHGRASS, BERMUDAGRASS

**‘Silverstream’**

Application No: 2012/139 Accepted: 29 August, 2012

Applicant: **M. Collins & Sons Holdings Pty Ltd.**, Revesby, NSW.

*Dianella caerulea*

BLUE FLAX-LILY

**‘Proquest D5’**

Application No: 2012/157 Accepted: 27 August, 2012

Applicant: **Floraquest Pty Ltd, Protected Plant Promotions Pty Ltd.**

Agent: **Sprint Horticulture Pty Ltd**, Erina, NSW.

*Festuca arundinacea*

TALL FESCUE

**‘Temora’**

Application No: 2012/088 Accepted: 10 September, 2012

Applicant: **Grasslands Innovation Ltd.**

Agent: **Griffith Hack**, Brisbane, QLD.

*Ficus obliqua*

SMALL LEAVED FIG

**‘FFV1’**

Application No: 2011/011 Accepted: 4 September, 2012

Applicant: **Agbiz Holdings Pty Ltd, R.J. Harrison, B.E. Jackson.**

Agent: **Touch of Class Plants Pty Ltd**, Tynong, VIC.

*Fragaria xananassa*

STRAWBERRY

**‘DrisStrawTwentyEight’**

Application No: 2012/162 Accepted: 12 September, 2012

Applicant: **Driscoll Strawberry Associates, Inc.**

Agent: **Phillips Ormonde Fitzpatrick**, Melbourne, VIC.

*Gardenia augusta*

GARDENIA

**‘Buttons’**

Application No: 2012/128 Accepted: 10 August, 2012

Applicant: **The Paradise Seed Company Pty. Ltd.**, Kariong, NSW.

**‘Parplatinum’**

Application No: 2012/130 Accepted: 10 August, 2012

Applicant: **The Paradise Seed Company Pty. Ltd.**, Kariong, NSW.

**‘Starlight’**

Application No: 2012/129 Accepted: 10 August, 2012

Applicant: **The Paradise Seed Company Pty. Ltd.**, Kariong, NSW.

*Glycine max*

SOYBEAN

**‘Bidgee’**

Application No: 2012/096 Accepted: 17 July, 2012

Applicant: **Commonwealth Scientific and Industrial Research Organisation, NSW Department of Primary Industries, Grains Research and Development Corporation**, Canberra, ACT.

*Grevillea longistyla* x *johnsonii* x *longistyla*

GREVILLEA

**‘GEL11’**

Application No: 2011/177 Accepted: 21 September, 2012

Applicant: **Mansfields Propagation Nursery, Austraflores Holdings Limited**, Skye, VIC.

*Hordeum vulgare*

BARLEY

**‘SouthernStar’**

Application No: 2012/110 Accepted: 10 July, 2012

Applicant: **Sapporo Breweries Ltd, Adelaide Research & Innovation Pty Ltd.**  
Agent: **Adelaide Research & Innovation Pty Ltd**, Adelaide, SA.



*Impatiens* hybrid

IMPATIENS

**‘SAKIMP005S’**

Application No: 2012/067 Accepted: 2 August, 2012

Applicant: **Sakata Seed Corporation.**

Agent: **Australian Horticultural Services Pty Ltd**, Mooroolbark, VIC.

*Lolium boucheanum*

HYBRID RYEGRASS

**‘PSPT’**

Application No: 2012/091 Accepted: 12 September, 2012

Applicant: **Grasslands Innovation Ltd..**

Agent: **Griffith Hack**, Brisbane, QLD.

*Lolium multiflorum*

ITALIAN RYEGRASS

**‘ASST’**

Application No: 2012/092 Accepted: 3 September, 2012

Applicant: **Grasslands Innovation Ltd..**

Agent: **Griffith Hack**, Brisbane, QLD.

**‘Knight’**

Application No: 2012/090 Accepted: 14 September, 2012

Applicant: **Grasslands Innovation Ltd..**

Agent: **Griffith Hack**, Brisbane, QLD.

*Lolium multiflorum* var. *westerwoldicum*

ANNUAL RYEGRASS

**‘Vortex’**

Application No: 2012/143 Accepted: 9 August, 2012

Applicant: **Heritage Seeds Pty Ltd**, Dandenong South, VIC.

*Lolium perenne*

PERENNIAL RYEGRASS

**‘Magniff’**

Application No: 2010/127 Accepted: 9 July, 2012

Applicant: **Landmark Nominees Ltd.**

Agent: **Gippsland Farm Solutions**, Bairnsdale, VIC.

*Lomandra confertifolia* ssp *pallida*

MATT RUSH

**‘LCP001’**

Application No: 2011/265 Accepted: 3 August, 2012

Applicant: **Bushland Flora**, Mt Evelyn, VIC.

*Lomandra filiformis*

WATTLE MAT RUSH

**‘LFD001’**

Application No: 2011/266 Accepted: 4 September, 2012

Applicant: **Bushland Flora**, Mt Evelyn, VIC.

*Magnolia x soulangeana* x *Magnolia lilliflora*

TULIP MAGNOLIA

**‘Genie’**

Application No: 2012/118 Accepted: 10 July, 2012

Applicant: **Vance Hooper**.

Agent: **Plant Management Australia Pty. Ltd**, Dodges Ferry, TAS.

*Malus domestica*

APPLE

**‘Jugala’**

Application No: 2012/160 Accepted: 11 September, 2012

Applicant: **International Plant Selection sarl**.

Agent: **Graham's Factree**, Hoddles Creek, VIC.

*Myoporum insulare*

BOOBIALLA

**‘Coastal Rambler’**

Application No: 2011/258 Accepted: 9 July, 2012  
Applicant: **George A Lullfitz**, Wanneroo, WA.

*Pistacia vera*

PISTACHIO TREE

**‘Golden Hills’**

Application No: 2011/137 Accepted: 5 July, 2012  
Applicant: **The Regents of the University of California**.  
Agent: **NU LEAF I.P. PTY LTD**, Mildura, VIC.

**‘Lost Hills’**

Application No: 2011/136 Accepted: 5 July, 2012  
Applicant: **The Regents of the University of California**.  
Agent: **NU LEAF I.P. PTY LTD**, Mildura, VIC.

*Pisum sativum*

FIELD PEA

**‘PBA Coogee’ syn Coogee**

Application No: 2012/133 Accepted: 27 July, 2012  
Applicant: **Agriculture Victoria Services Pty Ltd and Grains Research and Development Corporation**, Attwood, VIC.

**‘PBA Hayman’ syn Hayman**

Application No: 2012/136 Accepted: 27 July, 2012  
Applicant: **Agriculture Victoria Services Pty Ltd and Grains Research and Development Corporation**, Attwood, VIC.

**‘PBA Pearl’**

Application No: 2012/134 Accepted: 27 July, 2012  
Applicant: **Agriculture Victoria Services Pty Ltd and Grains Research and Development Corporation**, Attwood, VIC.

**‘PBA Wharton’ syn Wharton**

Application No: 2012/135 Accepted: 27 July, 2012

Applicant: **Agriculture Victoria Services Pty Ltd and Grains Research and Development Corporation**, Attwood, VIC.

*Platanus x acerifolia*

ORIENTAL PLANE

**‘Vallis Clausa’**

Application No: 2011/230 Accepted: 16 August, 2012

Applicant: **Institut National de la Recherche Agronomique and SCA Pepinieres ROUY-IMBERT.**

Agent: **Australian Nurserymen't Fruit Improvement Company (ANFIC) Ltd**, Kallangur, QLD.

*Prunus salicina*

JAPANESE PLUM

**‘Suplumfortytwo’ syn SUPLUM42**

Application No: 2012/144 Accepted: 3 August, 2012

Applicant: **Sun World International LLC.**

Agent: **Corrs Chambers Westgarth Lawyers**, Melbourne, VIC.

*Pyrus communis*

EUROPEAN PEAR

**‘ANP-0118’**

Application No: 2012/138 Accepted: 7 August, 2012

Applicant: **Agriculture Victoria Services Pty Ltd**, Attwood, VIC.

**‘ANP-0131’**

Application No: 2012/137 Accepted: 7 August, 2012

Applicant: **Agriculture Victoria Services Pty Ltd**, Attwood, VIC.

*Rosa hybrid*

ROSE

**‘GRA1015131’**

Application No: 2012/087 Accepted: 5 July, 2012

Applicant: **Mr. Harry Schreuders.**

Agent: **Grandiflora Nurseries Pty Ltd**, Skye, VIC.

**‘GRA61361M2’**

Application No: 2012/086 Accepted: 5 July, 2012

Applicant: **Mr. Harry Schreuders.**  
Agent: **Grandiflora Nurseries Pty Ltd**, Skye, VIC.

**‘KORgeleflo’**

Application No: 2011/153 Accepted: 15 August, 2012  
Applicant: **W. Kordes' Sohne Rosenschulen GmbH & Co KG.**  
Agent: **Treloar Roses Pty Ltd**, Portland, VIC.

**‘KORlutmag’**

Application No: 2011/157 Accepted: 15 August, 2012  
Applicant: **W. Kordes' Sohne Rosenschulen GmbH & Co KG.**  
Agent: **Treloar Roses Pty Ltd**, Portland, VIC.

**‘KORpauvio’**

Application No: 2011/154 Accepted: 15 August, 2012  
Applicant: **W. Kordes' Sohne Rosenschulen GmbH & Co KG.**  
Agent: **Treloar Roses Pty Ltd**, Portland, VIC.

**‘KORpurlig’**

Application No: 2011/158 Accepted: 15 August, 2012  
Applicant: **W. Kordes' Sohne Rosenschulen GmbH & Co KG.**  
Agent: **Treloar Roses Pty Ltd**, Portland, VIC.

**‘KORTutu’**

Application No: 2011/156 Accepted: 15 August, 2012  
Applicant: **W. Kordes' Sohne Rosenschulen GmbH & Co KG.**  
Agent: **Treloar Roses Pty Ltd**, Portland, VIC.

**‘KORvodacom’**

Application No: 2011/155 Accepted: 15 August, 2012  
Applicant: **W. Kordes' Sohne Rosenschulen GmbH & Co KG.**  
Agent: **Treloar Roses Pty Ltd**, Portland, VIC.

*Rosa persica* hybrid

HYBRID HULTHEMIA ROSE

**‘PEJBIGEYE’**

Application No: 2012/049 Accepted: 23 July, 2012  
Applicant: **Mr C. H. Warner - Warners Roses.**  
Agent: **Australian Roses**, Silvan, VIC.

*Rubus idaeus*

RASPBERRY

**‘Autumn Treasure’**

Application No: 2012/148 Accepted: 3 August, 2012

Applicant: **East Malling Research.**

Agent: **Raspberry and Blackberries Australia Inc.**, Silvan, VIC.

**‘DrisRaspThree’**

Application No: 2012/127 Accepted: 26 July, 2012

Applicant: **Driscoll Strawberry Associates, Inc.**

Agent: **Phillips Ormonde Fitzpatrick**, Melbourne, VIC.

*Scaevola aemula*

FANFLOWER

**‘Cobalt Candles’**

Application No: 2012/065 Accepted: 2 August, 2012

Applicant: **Outback Plants Pty Ltd**, Cranbourne, Vic.

*Solanum betaceum*

TAMARILLO, TREE TOMATO

**‘Sweeten’**

Application No: 2011/250 Accepted: 6 September, 2012

Applicant: **The New Zealand Institute for Plant and Food Research Limited.**

Agent: **AJ Park**, Canberra, ACT.

*Solanum lycopersicum*

TOMATO

**‘ESSENTIAL’**

Application No: 2012/120 Accepted: 24 August, 2012

Applicant: **Nunhems B.V.**

Agent: **Shelston IP**, Sydney, NSW.

*Solanum tuberosum*

POTATO

**‘BARCELONA’**

Application No: 2012/107 Accepted: 22 August, 2012

Applicant: **The Potato Company BV.**

Agent: **Southern Packers**, Pemberton, WA.

**‘Crop33’**

Application No: 2012/119 Accepted: 4 September, 2012

Applicant: **The New Zealand Institute for Plant and Food Research Limited.**

Agent: **AJ Park**, Canberra, ACT.

**‘Esmeralda’**

Application No: 2012/175 Accepted: 17 September, 2012

Applicant: **Station de Recherche du Comite Nord.**

Agent: **Mitolo Developments Pty Ltd**, Virginia, SA.

**‘MONTE CARLO’**

Application No: 2012/108 Accepted: 9 August, 2012

Applicant: **The Potato Company BV.**

Agent: **Southern Packers**, Pemberton, WA.

**‘Montreal’**

Application No: 2012/109 Accepted: 22 August, 2012

Applicant: **The Potato Company BV.**

Agent: **Southern Packers**, Pemberton, WA.

*Trifolium pratense*

RED CLOVER

**‘RLH’**

Application No: 2012/093 Accepted: 3 September, 2012

Applicant: **Grasslands Innovation Ltd..**

Agent: **Griffith Hack**, Brisbane, QLD.

*Trifolium repens*

WHITE CLOVER

**‘Mainstay’**

Application No: 2012/094 Accepted: 14 September, 2012

Applicant: **Grasslands Innovation Ltd.**  
Agent: **Griffith Hack**, Brisbane, QLD.

*Triticum aestivum*

WHEAT

**‘GRENADE CL Plus’**

Application No: 2012/142 Accepted: 15 August, 2012  
Applicant: **Australian Grain Technologies Pty Ltd**, Urrbrae, SA.

**‘LongReach Dart’ syn LRPB Dart**

Application No: 2012/150 Accepted: 15 August, 2012  
Applicant: **LongReach Plant Breeders Management Pty Ltd**, Lonsdale, SA.

**‘LongReach Gazelle’ syn LRPB Gazelle**

Application No: 2012/153 Accepted: 17 September, 2012  
Applicant: **Allied Mills & Arnotts Biscuits Ltd.**  
Agent: **LongReach Plant Breeders Management Pty Ltd**, Lonsdale, SA.

**‘LongReach Phantom’ syn LRPB Phantom**

Application No: 2012/151 Accepted: 15 August, 2012  
Applicant: **LongReach Plant Breeders Management Pty Ltd**, Lonsdale, SA.

**‘Shield’**

Application No: 2012/141 Accepted: 16 August, 2012  
Applicant: **Australian Grain Technologies Pty Ltd**, Urrbrae, SA.

*Tulbaghia* hybrid

TULBAGHIA, WILD GARLIC

**‘Dark Star’**

Application No: 2012/121 Accepted: 1 August, 2012  
Applicant: **Plant Growers Australia.**  
Agent: **Plants Management Australia Pty. Ltd.**, Dodges Ferry, TAS.

**‘Milky Way’**

Application No: 2012/122 Accepted: 1 August, 2012  
Applicant: **Plant Growers Australia.**  
Agent: **Plants Management Australia Pty. Ltd.**, Dodges Ferry, TAS.



*Vaccinium corymbosum* x *V.angustifolium* x *V.virgatum*

BLUEBERRY

**‘EB 8-1’**

Application No: 2012/116 Accepted: 13 July, 2012

Applicant: **Rolfe Nominees Pty Ltd and Prunus Persica Pty Ltd.**

Agent: **Australian Nurserymen's Fruit Improvement Company (ANFIC) Ltd, Kallangur, QLD.**

**‘EB 8-17’**

Application No: 2012/114 Accepted: 13 July, 2012

Applicant: **Rolfe Nominees Pty Ltd and Prunus Persica Pty Ltd.**

Agent: **Australian Nurserymen's Fruit Improvement Company (ANFIC) Ltd, Kallangur, QLD.**

**‘EB 8-30’**

Application No: 2012/115 Accepted: 13 July, 2012

Applicant: **Rolfe Nominees Pty Ltd and Prunus Persica Pty Ltd.**

Agent: **Australian Nurserymen's Fruit Improvement Company (ANFIC) Ltd, Kallangur, QLD.**

**‘EB 8-42’**

Application No: 2012/113 Accepted: 13 July, 2012

Applicant: **Rolfe Nominees Pty Ltd and Prunus Persica Pty Ltd.**

Agent: **Australian Nurserymen's Fruit Improvement Company (ANFIC) Ltd, Kallangur, QLD.**

*Vicia sativa*

COMMON VETCH

**‘Timok’**

Application No: 2012/172 Accepted: 20 September, 2012

Applicant: **Minister of Agriculture and Fisheries as represented by SARDI, , SA.**

*Vitis vinifera*

GRAPE VINE

**‘SUGRATHIRTYSIX’ syn SUGRA36**

Application No: 2012/111 Accepted: 26 July, 2012

Applicant: **Sun World International LLC.**

Agent: **Corrs Chambers Westgarth Lawyers, Melbourne, VIC.**

## Variety Descriptions

| <u>Common (Genus Species)</u>                    | <u>Variety</u> | <u>Title Holder</u>   |
|--|----------------|-----------------------|
| <u>Kiwifruit</u><br><u>(Actinidia chinensis)</u> | W47            | Donald Alfred Skelton |
| <u>Kiwifruit</u><br><u>(Actinidia chinensis)</u> | S600           | Donald Alfred Skelton |
| <u>Kiwifruit</u><br><u>(Actinidia chinensis)</u> | X60            | Donald Alfred Skelton |
| <u>Kiwifruit</u><br><u>(Actinidia chinensis)</u> | Z487           | Donald Alfred Skelton |
| <u>Kiwifruit</u><br><u>(Actinidia chinensis)</u> | W45            | Donald Alfred Skelton |
| <u>Kiwifruit</u><br><u>(Actinidia chinensis)</u> | Y118           | Donald Alfred Skelton |
| <u>Aloe (Aloe hybrid)</u>                        | Fairy Pink     | Leo Peter Erik Thamm  |
| <u>Aloe (Aloe hybrid)</u>                        | Always Red     | Leo Peter Erik Thamm  |
| <u>Aloe (Aloe hybrid)</u>                        | LEO 4120       | Leo Peter Erik Thamm  |
| <u>Aloe (Aloe hybrid)</u>                        | LEO 1730       | Leo Peter Erik Thamm  |
| <u>Aloe (Aloe hybrid)</u>                        | LEO 8547       | Leo Peter Erik Thamm  |
| <u>Aloe (Aloe hybrid)</u>                        | LEO 3676B      | Leo Peter Erik Thamm  |

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|---|---------------------|---|
| <a href="#"><u>Alyogyne</u></a><br><a href="#"><u>(Alyogyne huegelii x hakeifolia)</u></a>          | Delightfully Double | Plant Growers Australia   |
| <a href="#"><u>Tassel Cord Rush</u></a><br><a href="#"><u>(Baloskion tetraphyllum)</u></a>          | BUNNAN              | SPROCZ Pty Ltd  |
| <a href="#"><u>Canola (Brassica napus)</u></a>  | 44C79               | Pioneer Hi-Bred International, Inc.                                       |
| <a href="#"><u>Canola (Brassica napus)</u></a>  | 43C80               | Pioneer Hi-Bred International, Inc.                                       |
| <a href="#"><u>Canola (Brassica napus)</u></a>  | Jackpot TT          | Pacific Seeds Pty Ltd   |
| <a href="#"><u>Bottlebrush</u></a><br><a href="#"><u>(Callistemon viminalis)</u></a>                | Little Silver       | Terence Charles Keogh   |
| <a href="#"><u>Bottlebrush</u></a><br><a href="#"><u>(Callistemon viminalis)</u></a>                | Little Caroline     | Terence Charles Keogh   |
| <a href="#"><u>Buffel Grass</u></a><br><a href="#"><u>(Cenchrus ciliaris)</u></a>                   | Lakota              | Pogue Agri Partners, Inc and Antonio Narro Autonomous Agrarian University |
| <a href="#"><u>Waxflower</u></a><br><a href="#"><u>(Chamelaucium hybrid)</u></a>                    | Raspberry Ripple    | Goldsash Pty Ltd  |
| <a href="#"><u>Waxflower</u></a><br><a href="#"><u>(Chamelaucium hybrid)</u></a>                    | WX 74               | Western Australian Agriculture Authority                                  |
| <a href="#"><u>Waxflower</u></a><br><a href="#"><u>(Chamelaucium hybrid)</u></a>                    | Strawberry Surprise | Goldsash Pty Ltd  |
| <a href="#"><u>Waxflower</u></a><br><a href="#"><u>(Chamelaucium megalopetalum x uncinatum)</u></a> | WX 56               | Western Australian Agriculture Authority                                  |

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| <a href="#"><u>Waxflower</u></a><br><a href="#"><u>(Chamelaucium megalopetalum x uncinatum)</u></a>    | WX 58    | Western Australian Agriculture Authority   |
| <a href="#"><u>Waxflower</u></a><br><a href="#"><u>(Chamelaucium uncinatum)</u></a>                    | WF MIM 5 | Goldsash Pty Ltd   |
| <a href="#"><u>Waxflower</u></a><br><a href="#"><u>(Chamelaucium uncinatum x C. megalopetalum)</u></a> | WX 87    | Western Australian Agriculture Authority   |
| <a href="#"><u>Mandarin (Citrus reticulata)</u></a>  | Moria    | The State of Israel - Ministry of Agriculture & Rural Development Agricultural Research Organisation |
| <a href="#"><u>Mandarin (Citrus reticulata)</u></a>  | Orri     | The State of Israel - Ministry of Agriculture & Rural Development Agricultural Research Organisation |
| <a href="#"><u>Mandarin (Citrus reticulata)</u></a>  | Nectar   | The State of Israel - Ministry of Agriculture & Rural Development Agricultural Research Organisation |
| <a href="#"><u>Tangor (Citrus reticulata x Citrus sinensis)</u></a>                                    | Tacle    | Istituto Sperimentale per L'Agrumicoltura  |
| <a href="#"><u>Cabbage Tree</u></a><br><a href="#"><u>(Cordyline australis x C. banksii)</u></a>       | LEL C04  | Lyder Enterprises Limited  |
| <a href="#"><u>Cabbage Tree</u></a><br><a href="#"><u>(Cordyline australis x C. banksii)</u></a>       | LEL C02  | Lyder Enterprises Limited  |

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|--|--------------------|---|
| <a href="#"><u>Cordyline</u></a><br><a href="#"><u>(Cordyline australis x C. banksii)</u></a>    | LEL C01            | Lyder Enterprises Limited                   |
| <a href="#"><u>Cabbage Tree</u></a><br><a href="#"><u>(Cordyline australis x C. banksii)</u></a> | LEL C03            | Lyder Enterprises Limited                   |
| <a href="#"><u>Cordyline</u></a><br><a href="#"><u>(Cordyline hybrid)</u></a>                    | CorBzr01           | Mark Jury Nursery                           |
| <a href="#"><u>Melon (Cucumis melo)</u></a>  | HDO393502          | Seminis Vegetable Seeds Inc                 |
| <a href="#"><u>Melon (Cucumis melo)</u></a>  | HDO393501          | Seminis Vegetable Seeds, Inc.               |
| <a href="#"><u>Melon (Cucumis melo)</u></a>  | PS 03935152        | Seminis Vegetable Seeds, Inc.               |
| <a href="#"><u>Melon (Cucumis melo)</u></a>  | PX 14556354        | Seminis Vegetable Seeds Inc                 |
| <a href="#"><u>Melon (Cucumis melo)</u></a>  | MZZ1456030         | Seminis Vegetable Seeds Inc                 |
| <a href="#"><u>Melon (Cucumis melo)</u></a>  | MZZ1456043         | Seminis Vegetable Seeds Inc                 |
| <a href="#"><u>Daphne (Daphne x transatlantica)</u></a>  | BLAPINK            | Anthony Robin White and Susan Barbara White |
| <a href="#"><u>Strawberry (Fragaria xananassa)</u></a>   | DrisStrawSeventeen | Driscoll Strawberry Associates, Inc.        |
| <a href="#"><u>Strawberry (Fragaria xananassa)</u></a>   | Treasure Harvest   | Top Berries, LLC                            |
| <a href="#"><u>Strawberry (Fragaria xananassa)</u></a>   | Sweet Ann          | Lassen Canyon Nursery, Inc                  |
| <a href="#"><u>Grevillea (Grevillea juniperina)</u></a>  | H22                | Ozbreed Pty Ltd                             |

|   |                   |  |
|---|-------------------|--|
| <a href="#"><u>Spidernet<br/>Grevillea<br/>(<i>Grevillea preissii</i>)</u></a>        | Green Seaspray    | George A Lullfitz  |
| <a href="#"><u>Barley (<i>Hordeum<br/>vulgare</i>)</u></a>                            | VT Admiral        | Adelaide Research & Innovation Pty Ltd,<br>Grains Research & Development Corporation |
| <a href="#"><u>Barley (<i>Hordeum<br/>vulgare</i>)</u></a>                            | SY Rattler        | Syngenta Seeds Ltd   |
| <a href="#"><u>Barley (<i>Hordeum<br/>vulgare</i>)</u></a>                            | Navigator         | Adelaide Research & Innovation Pty Ltd,<br>Grains Research & Development Corporation |
| <a href="#"><u>Barley (<i>Hordeum<br/>vulgare</i>)</u></a>                            | Skipper Australia | Adelaide Research & Innovation Pty Ltd,<br>Grains Research & Development Corporation |
| <a href="#"><u>Barley (<i>Hordeum<br/>vulgare</i>)</u></a>                            | Fathom            | Adelaide Research & Innovation Pty Ltd,<br>Grains Research & Development Corporation |
| <a href="#"><u>Barley (<i>Hordeum<br/>vulgare</i>)</u></a>                            | WIMMERA           | Agriculture Victoria Services Pty Ltd,<br>Grains Research & Development Corporation  |
| <a href="#"><u>Impatiens<br/>(<i>Impatiens<br/>hybrid</i>)</u></a>                    | SAKIMP005S        | Sakata Seed Corporation  |
| <a href="#"><u>Lettuce (<i>Lactuca<br/>sativa</i>)</u></a>                            | Duplex            | Rijk Zwaan Zaadteelt en Zaadhandel B.V.  |
| <a href="#"><u>Spiny Headed<br/>Mat Rush<br/>(<i>Lomandra<br/>longifolia</i>)</u></a> | NPW3              | Ozbreed Pty Ltd  |

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|--|---------------|--|
| <a href="#"><u>Apple (<i>Malus domestica</i>)</u></a>                    | ARIANE        | INRA - Institut National de la Recherche Agronomique |
| <a href="#"><u>Melaleuca (<i>Melaleuca ringens</i>)</u></a>              | RingpenGL     | George A Lullfitz                                    |
| <a href="#"><u>Michelia (<i>Michelia hybrid</i>)</u></a>                 | MicJur01      | M C Jury   |
| <a href="#"><u>Coastal Daisy bush (<i>Olearia axillaris</i>)</u></a>     | Little Silver | George A Lullfitz                                    |
| <a href="#"><u>Rice (<i>Oryza sativa</i>)</u></a>                        | VGR501        | Vita Grain Pte Ltd                                   |
| <a href="#"><u>Protea (<i>Protea compacta</i>)</u></a>                   | Pink Cream    | Glenda Nielson                                       |
| <a href="#"><u>Protea (<i>Protea compacta</i>)</u></a>                   | Stately       | Glenda Nielson                                       |
| <a href="#"><u>Sweet Cherry (<i>Prunus avium</i>)</u></a>                | Royal Lynn    | Zaiger's Inc. Genetics                               |
| <a href="#"><u>Nectarine (<i>Prunus persica var nucipersica</i>)</u></a> | Sugarine 1    | Lowell G. Bradford                                   |
| <a href="#"><u>Rose (<i>Rosa hybrid</i>)</u></a>                         | Rockliz       | R T and B E Inverarity                               |
| <a href="#"><u>Rose (<i>Rosa hybrid</i>)</u></a>                         | WEKcocbeb     | Weeks Roses Ltd                                      |
| <a href="#"><u>Rose (<i>Rosa hybrid</i>)</u></a>                         | WEKbipsboul   | Weeks Roses Ltd                                      |
| <a href="#"><u>Rose (<i>Rosa hybrid</i>)</u></a>                         | WEKsmopur     | Weeks Roses Ltd                                      |
| <a href="#"><u>Sugarcane (<i>Saccharum hybrid</i>)</u></a>               | Q244          | BSES Limited   |
| <a href="#"><u>Sugarcane (<i>Saccharum hybrid</i>)</u></a>               | Q249          | BSES Limited   |

|   |           |                                       |
|---|-----------|---------------------------------------|
| <a href="#"><u>Sugarcane</u></a><br><a href="#"><u>(<i>Saccharum</i></u></a><br><a href="#"><u>hybrid)</u></a>                                      | Q251      | BSES Limited                          |
| <a href="#"><u>Sugarcane</u></a><br><a href="#"><u>(<i>Saccharum</i></u></a><br><a href="#"><u>hybrid)</u></a>                                      | Q250      | BSES Limited                          |
| <a href="#"><u>Potato (<i>Solanum</i></u></a><br><a href="#"><u>tuberosum)</u></a>  | Neptune   | HZPC Holland B.V.                     |
| <a href="#"><u>Potato (<i>Solanum</i></u></a><br><a href="#"><u>tuberosum)</u></a>  | Laurene   | HZPC Holland B.V.                     |
| <a href="#"><u>Potato (<i>Solanum</i></u></a><br><a href="#"><u>tuberosum)</u></a>  | Marilyn   | HZPC Holland B.V.                     |
| <a href="#"><u>Potato (<i>Solanum</i></u></a><br><a href="#"><u>tuberosum)</u></a>  | Sifra     | HZPC Holland B.V.<br>and C.J. Biemond |
| <a href="#"><u>Potato (<i>Solanum</i></u></a><br><a href="#"><u>tuberosum)</u></a>  | Crisp4all | HZPC Holland B.V.                     |
| <a href="#"><u>Potato (<i>Solanum</i></u></a><br><a href="#"><u>tuberosum)</u></a>  | Taurus    | HZPC Holland B.V.                     |
| <a href="#"><u>lasiandra</u></a><br><a href="#"><u>(<i>Tibouchina</i></u></a><br><a href="#"><u>urvilleana)</u></a>                                 | TB01      | Dawn Rothay<br>Nurseries              |
| <a href="#"><u>Coastal</u></a><br><a href="#"><u>Rosemary</u></a><br><a href="#"><u>(<i>Westringia</i></u></a><br><a href="#"><u>fruticosa)</u></a> | WES04     | NuFlora International<br>Pty Ltd      |
| <a href="#"><u>Coastal</u></a><br><a href="#"><u>Rosemary</u></a><br><a href="#"><u>(<i>Westringia</i></u></a><br><a href="#"><u>hybrid)</u></a>    | WES03     | NuFlora International<br>Pty Ltd      |
| <a href="#"><u>Coastal</u></a><br><a href="#"><u>Rosemary</u></a><br><a href="#"><u>(<i>Westringia</i></u></a><br><a href="#"><u>hybrid)</u></a>    | WES02     | NuFlora International<br>Pty Ltd      |



## Plant Varieties Journal - Search Result Details

**Aloe (*Aloe hybrid*)****Variety:** 'Fairy Pink'**Synonym:** N/A**Application no:** 2008/069**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 06-Mar-2008**Accepted:** 22-Apr-2008**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 25, Issue 3

**Title Holder:** Leo Peter Erik Thamm**Agent:** Michael Dent**Telephone:** 0733712986**Fax:** N/A

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Aloe (*Aloe hybrid*)****Variety:** 'Always Red'**Synonym:** N/A**Application no:** 2008/070**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 06-Mar-2008**Accepted:** 22-Apr-2008**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 25, Issue 3**Varieties Journal:****Title Holder:** Leo Peter Erik Thamm**Agent:** Michael Dent**Telephone:** 0733712986**Fax:** N/A

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Aloe (*Aloe hybrid*)****Variety:** 'LEO 4120'**Synonym:** Topaz**Application no:** 2008/355**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 18-Nov-2008**Accepted:** 18-Dec-2008**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 25, Issue 3**Journal:****Title Holder:** Leo Peter Erik Thamm**Agent:** Michael Dent**Telephone:** 0733712986**Fax:** N/A

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Aloe (*Aloe hybrid*)****Variety:** 'LEO 1730'**Synonym:** Southern Cross**Application no:** 2008/353**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 18-Nov-2008**Accepted:** 18-Dec-2008**Granted:** N/A**Description published****in Plant Varieties Journal:** Volume 25, Issue 3**Description published****Title Holder:** Leo Peter Erik Thamm**Agent:** Michael Dent**Telephone:** 0733712986**Fax:** N/A

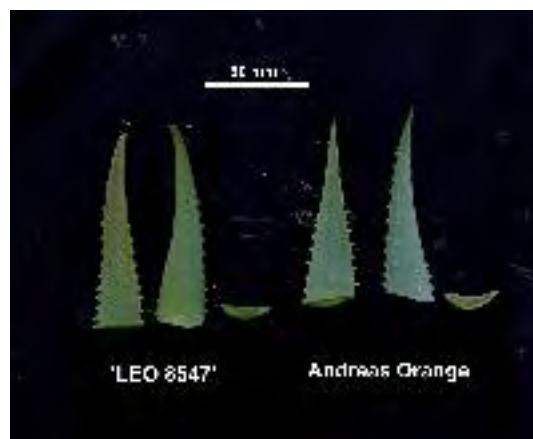
[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Aloe (*Aloe hybrid*)****Variety:** 'LEO 8547'**Synonym:** Gemini**Application no:** 2008/354**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 18-Nov-2008**Accepted:** 18-Dec-2008**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 25, Issue 3**Varieties Journal:****Title Holder:** Leo Peter Erik Thamm**Agent:** Michael Dent**Telephone:** 0733712986**Fax:** N/A

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Aloe (*Aloe hybrid*)**

**Variety:** 'LEO 3676B'  
**Synonym:** Copper Shower

**Application no:** 2008/351

**Current status:** ACCEPTED

**Certificate no:** N/A

**Received:** 18-Nov-2008

**Accepted:** 18-Dec-2008

**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 25, Issue 3

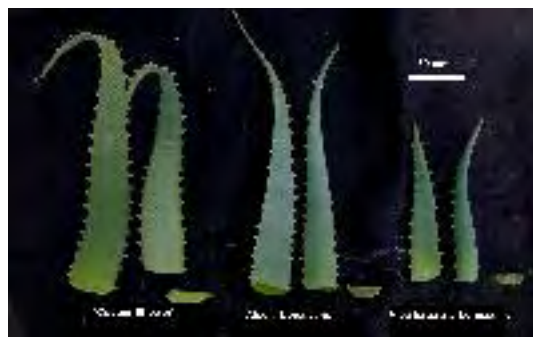
**Title Holder:** Leo Peter Erik Thamm

**Agent:** Michael Dent

**Telephone:** 0733712986

**Fax:** N/A

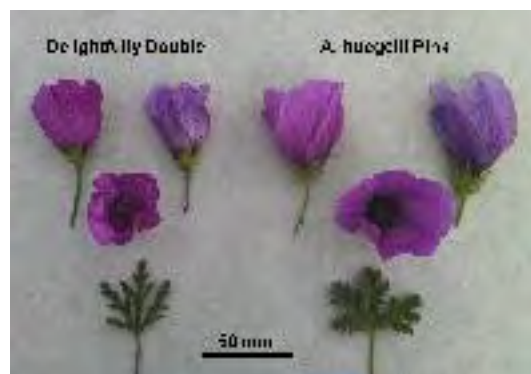
[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Alyogyne (*Alyogyne huegelii* x *hakeifolia*)****Variety:** 'Delightfully Double'**Synonym:** N/A**Application no:** 2010/218**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 21-Sep-2010**Accepted:** 17-Nov-2010**Granted:** N/A**Description published****in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** Plant Growers Australia**Agent:** Plants Management Australia Pty. Ltd.**Telephone:** 0362659050**Fax:** 0362659919

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Apple (*Malus domestica*)****Variety:** 'ARIANE'**Synonym:** N/A**Application no:** 2008/074**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 07-Mar-2008**Accepted:** 10-Aug-2008**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 25, Issue 3**Varieties Journal:****Title Holder:** INRA - Institut National de la Recherche Agronomique**Agent:** Watermark Patent & Trade Mark Attorneys**Telephone:** 0398191664**Fax:** 0398196010

[View the detailed description of this variety.](#)





## Plant Varieties Journal - Search Result Details

**Barley (*Hordeum vulgare*)****Variety:** 'VT Admiral'**Synonym:** N/A**Application no:** 2011/139**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 29-Jun-2011**Accepted:** 23-Sep-2011**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** Adelaide Research & Innovation Pty Ltd, Grains Research & Development Corporation**Agent:** Adelaide Research & Innovation Pty Ltd**Telephone:** 0883033480**Fax:** 0883034355

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Barley (*Hordeum vulgare*)****Variety:** 'SY Rattler'**Synonym:** N/A**Application no:** 2011/056**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 01-Apr-2011**Accepted:** 05-Oct-2011**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** Syngenta Seeds Ltd**Agent:** GrainSearch Pty Ltd**Telephone:** 0353314943**Fax:** 0353312780

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Barley (*Hordeum vulgare*)****Variety:** 'Navigator'**Synonym:** N/A**Application no:** 2011/140**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 29-Jun-2011**Accepted:** 23-Sep-2011**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** Adelaide Research & Innovation Pty Ltd, Grains Research & Development Corporation**Agent:** Adelaide Research & Innovation Pty Ltd**Telephone:** 0883033480**Fax:** 0883034355

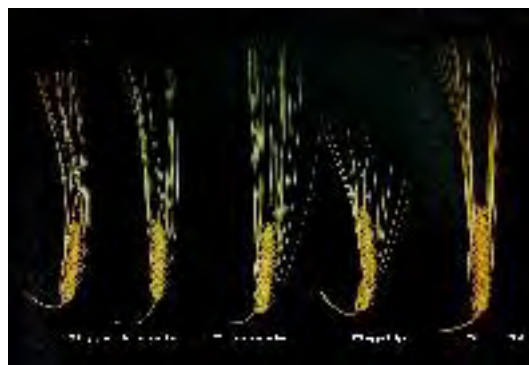
[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Barley (*Hordeum vulgare*)****Variety:** 'Skipper Australia'**Synonym:** N/A**Application no:** 2011/142**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 29-Jun-2011**Accepted:** 23-Sep-2011**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** Adelaide Research & Innovation Pty Ltd, Grains Research & Development Corporation**Agent:** Adelaide Research & Innovation Pty Ltd**Telephone:** 0883033480**Fax:** 0883034355

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Barley (*Hordeum vulgare*)****Variety:** 'Fathom'**Synonym:** N/A**Application no:** 2011/141**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 29-Jun-2011**Accepted:** 23-Sep-2011**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** Adelaide Research & Innovation Pty Ltd, Grains Research & Development Corporation**Agent:** Adelaide Research & Innovation Pty Ltd**Telephone:** 0883033480**Fax:** 0883034355

[View the detailed description of this variety.](#)





## Plant Varieties Journal - Search Result Details

**Barley (*Hordeum vulgare*)****Variety:** 'WIMMERA'**Synonym:** N/A**Application no:** 2011/221**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 04-Oct-2011**Accepted:** 04-Nov-2011**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 25, Issue 3**Varieties Journal:****Title Holder:** Agriculture Victoria Services Pty Ltd, Grains Research & Development Corporation**Agent:** N/A**Telephone:** 0392174138**Fax:** 0392174161

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Bottlebrush (*Callistemon viminalis*)****Variety:** 'Little Silver'**Synonym:** N/A**Application no:** 2008/248**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 08-Aug-2008**Accepted:** 29-Aug-2008**Granted:** N/A**Description****published****in Plant** Volume 25, Issue 3**Varieties****Journal:****Title Holder:** Terence Charles Keogh**Agent:** N/A**Telephone:** 0738299608**Fax:** 0738299619

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Bottlebrush (*Callistemon viminalis*)****Variety:** 'Little Caroline'**Synonym:** N/A**Application no:** 2009/045**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 20-Mar-2009**Accepted:** 10-Apr-2009**Granted:** N/A**Description****published****in Plant** Volume 25, Issue 3**Varieties****Journal:****Title Holder:** Terence Charles Keogh**Agent:** N/A**Telephone:** 0738299608**Fax:** 0738299619

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Buffel Grass (*Cenchrus ciliaris*)**

**Variety:** 'Lakota'  
**Synonym:** Cool Buff

**Application no:** 2012/056

**Current status:** ACCEPTED

**Certificate no:** N/A

**Received:** 21-Mar-2012

**Accepted:** 10-Apr-2012

**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 25, Issue 3

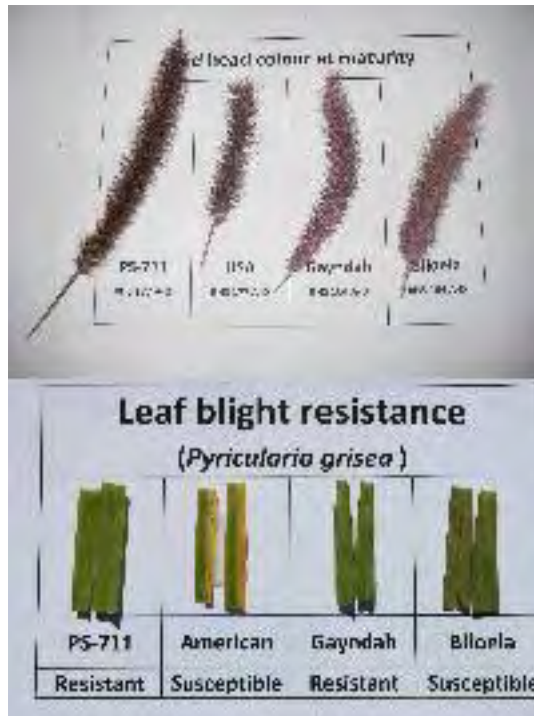
**Title Holder:** Pogue Agri Partners, Inc and Antonio Narro Autonomous Agrarian University

**Agent:** Heritage Seeds

**Telephone:** 0731375300

**Fax:** 0732170002

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Cabbage Tree (*Cordyline australis* x *C. banksii*)****Variety:** 'LEL C03'**Synonym:** N/A**Application no:** 2007/332**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 21-Dec-2007**Accepted:** 17-Dec-2008**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** Lyder Enterprises Limited**Agent:** Crop & Nursery Services**Telephone:** 0243810051**Fax:** 0285691896

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Cabbage Tree (*Cordyline australis* x *C. banksii*)****Variety:** 'LEL C04'**Synonym:** Southern Splendour**Application no:** 2007/333**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 21-Dec-2007**Accepted:** 17-Dec-2008**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** Lyder Enterprises Limited**Agent:** Crop & Nursery Services**Telephone:** 0243810051**Fax:** 0285691896

[View the detailed description of this variety.](#)





## Plant Varieties Journal - Search Result Details

**Cabbage Tree (*Cordyline australis* x *C. banksii*)****Variety:** 'LEL C02'**Synonym:** N/A**Application no:** 2007/331**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 21-Dec-2007**Accepted:** 17-Dec-2008**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** Lyder Enterprises Limited**Agent:** Crop & Nursery Services**Telephone:** 0243810051**Fax:** 0285691896

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Canola (*Brassica napus*)****Variety:** '44C79'**Synonym:** N/A**Application no:** 2009/051**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 26-Mar-2009**Accepted:** 10-Apr-2009**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** Pioneer Hi-Bred International, Inc.**Agent:** Pioneer Hi-Bred Australia Pty Ltd**Telephone:** 0746379166**Fax:** 0746379177

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Canola (*Brassica napus*)****Variety:** '43C80'**Synonym:** N/A**Application  
no:** 2009/052**Current  
status:** ACCEPTED**Certificate  
no:** N/A**Received:** 26-Mar-2009**Accepted:** 10-Apr-2009**Granted:** N/A**Description  
published  
in Plant  
Varieties  
Journal:** Volume 25, Issue 3**Title Holder:** Pioneer Hi-Bred International, Inc.**Agent:** Pioneer Hi-Bred Australia Pty Ltd**Telephone:** 0746379166**Fax:** 0746379177

[View the detailed description of this  
variety.](#)



## Plant Varieties Journal - Search Result Details

**Canola (*Brassica napus*)****Variety:** 'Jackpot TT'**Synonym:** N/A**Application no:** 2012/051**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 12-Mar-2012**Accepted:** 18-Apr-2012**Granted:** N/A**Description published****in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** Pacific Seeds Pty Ltd**Agent:** N/A**Telephone:** 0746902666**Fax:** 0746301063

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Coastal Daisy bush (*Olearia axillaris*)****Variety:** 'Little Silver'**Synonym:** N/A**Application no:** 2012/007**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 09-Jan-2012**Accepted:** 02-Feb-2012**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** George A Lullfitz**Agent:** N/A**Telephone:** 0894051607**Fax:** 0893062933

[View the detailed description of this variety.](#)



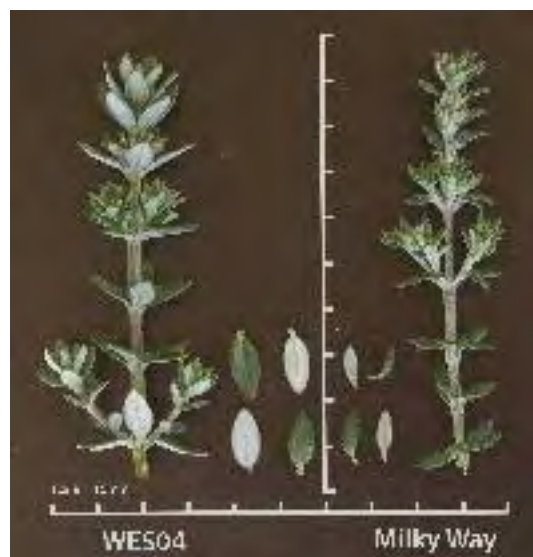
## Plant Varieties Journal - Search Result Details

**Coastal Rosemary (*Westringia fruticosa*)****Variety:** 'WES04'**Synonym:** N/A**Application no:** 2011/049**Current status:** Accepted**Certificate no:** N/A**Received:** 31-Mar-2011**Accepted:** 13-May-2011**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 25, Issue 3

**Title Holder:** NuFlora International Pty Ltd**Agent:** Ozbreed Pty Ltd**Telephone:** 0245772977**Fax:** 0245877728

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Coastal Rosemary (*Westringia hybrid*)****Variety:** 'WES03'**Synonym:** N/A**Application no:** 2011/044**Current status:** Accepted**Certificate no:** N/A**Received:** 31-Mar-2011**Accepted:** 13-May-2011**Granted:** N/A**Description published in Plant Varieties** Volume 25, Issue 3**Journal:****Title Holder:** NuFlora International Pty Ltd**Agent:** Ozbreed Pty Ltd**Telephone:** 0245772977**Fax:** 0245877728

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Coastal Rosemary (*Westringia hybrid*)****Variety:** 'WES02'**Synonym:** N/A**Application no:** 2011/048**Current status:** Accepted**Certificate no:** N/A**Received:** 31-Mar-2011**Accepted:** 13-May-2011**Granted:** N/A**Description published in Plant Varieties** Volume 25, Issue 3**Journal:****Title Holder:** NuFlora International Pty Ltd**Agent:** Ozbreed Pty Ltd**Telephone:** 0245772977**Fax:** 0245877728

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## Plant Varieties Journal - Search Result Details

**Cordyline (*Cordyline australis* x *C. banksii*)****Variety:** 'LEL C01'**Synonym:** Coral**Application no:** 2007/330**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 21-Dec-2007**Accepted:** 17-Dec-2008**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** Lyder Enterprises Limited**Agent:** Crop & Nursery Services**Telephone:** 0243810051**Fax:** 0285691896

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Cordyline (*Cordyline hybrid*)****Variety:** 'CorBzr01'**Synonym:** N/A**Application no:** 2011/091**Current status:** Accepted**Certificate no:** N/A**Received:** 15-May-2011**Accepted:** 26-Jul-2011**Granted:** N/A**Description published****in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** Mark Jury Nursery**Agent:** Anthony Tesselaar Plants Pty Ltd**Telephone:** 0397379568**Fax:** 0397379899

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Daphne (*Daphne x transatlantica*)****Variety:** 'BLAPINK'**Synonym:** Spring Pink Eternal Fragrance**Application no:** 2011/042**Current status:** Accepted**Certificate no:** N/A**Received:** 28-Mar-2011**Accepted:** 07-Jun-2011**Granted:** N/A**Description****published****in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** Anthony Robin White and Susan Barbara White**Agent:** Plants Management Australia Pty Ltd**Telephone:** 0362659050**Fax:** 0362659919

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Grevillea (*Grevillea juniperina*)****Variety:** 'H22'**Synonym:** N/A**Application no:** 2010/228**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 28-Sep-2010**Accepted:** 27-Oct-2010**Granted:** N/A**Description****published****in Plant** Volume 25, Issue 3**Varieties****Journal:****Title Holder:** Ozbreed Pty Ltd**Agent:** N/A**Telephone:** 0245772977**Fax:** 0245877728

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Impatiens (*Impatiens hybrid*)****Variety:** 'SAKIMP005S'**Synonym:** N/A**Application no:** 2012/067**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 05-Apr-2012**Accepted:** 02-Aug-2012**Granted:** N/A**Description published****in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** Sakata Seed Corporation**Agent:** Australian Horticultural Services Pty Ltd**Telephone:** 0359982083**Fax:** 0359982089

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Kiwifruit (*Actinidia chinensis*)****Variety:** 'W47'**Synonym:** N/A**Application no:** 2010/306**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 14-Dec-2010**Accepted:** 10-Feb-2011**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** Donald Alfred Skelton**Agent:** Global Plant IP Pty Ltd**Telephone:** N/A**Fax:** 0746710044

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Kiwifruit (*Actinidia chinensis*)****Variety:** 'S600'**Synonym:** N/A**Application no:** 2007/100**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 21-Mar-2007**Accepted:** 04-May-2007**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** Donald Alfred Skelton**Agent:** Global Plant IP Pty Ltd**Telephone:** N/A**Fax:** 0746710044

[View the detailed description of this variety.](#)





## Plant Varieties Journal - Search Result Details

**Kiwifruit (*Actinidia chinensis*)****Variety:** 'X60'**Synonym:** N/A**Application no:** 2007/103**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 21-Mar-2007**Accepted:** 17-May-2007**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** Donald Alfred Skelton**Agent:** Global Plant IP Pty Ltd**Telephone:** N/A**Fax:** 0746710044

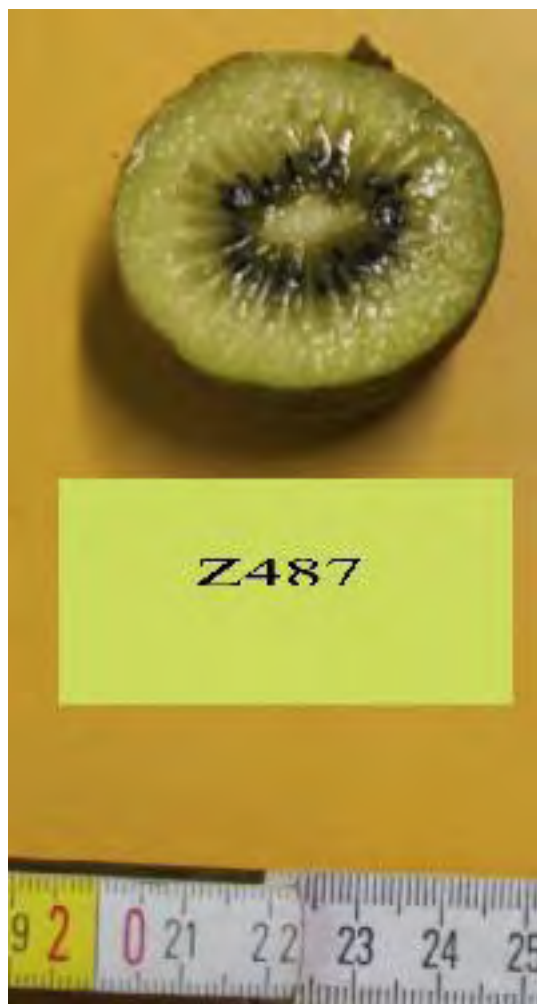
[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Kiwifruit (*Actinidia chinensis*)****Variety:** 'Z487'**Synonym:** N/A**Application no:** 2008/151**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 20-May-2008**Accepted:** 02-Jul-2008**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** Donald Alfred Skelton**Agent:** Global Plant IP Pty Ltd**Telephone:** N/A**Fax:** 0746710044

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Kiwifruit (*Actinidia chinensis*)****Variety:** 'W45'**Synonym:** N/A**Application no:** 2007/164**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 27-Jun-2007**Accepted:** 23-Aug-2007**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** Donald Alfred Skelton**Agent:** Global Plant IP Pty Ltd**Telephone:** N/A**Fax:** 0746710044

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Kiwifruit (*Actinidia chinensis*)****Variety:** 'Y118'**Synonym:** N/A**Application no:** 2007/102**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 21-Mar-2007**Accepted:** 09-May-2007**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** Donald Alfred Skelton**Agent:** Global Plant IP Pty Ltd**Telephone:** N/A**Fax:** 0746710044

[View the detailed description of this variety.](#)





## Plant Varieties Journal - Search Result Details

**Iasiandra (*Tibouchina urvilleana*)****Variety:** 'TB01'**Synonym:** N/A**Application no:** 2010/209**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 16-Sep-2010**Accepted:** 15-Dec-2010**Granted:** N/A**Description****published****in Plant** Volume 25, Issue 3**Varieties****Journal:****Title Holder:** Dawn Rothay Nurseries**Agent:** Ozbreed Pty Ltd**Telephone:** 0245772977**Fax:** 0245877728

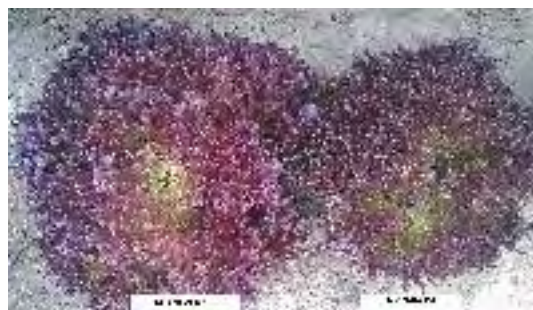
[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Lettuce (*Lactuca sativa*)****Variety:** 'Duplex'**Synonym:** N/A**Application no:** 2011/286**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 07-Dec-2011**Accepted:** 05-Jan-2012**Granted:** N/A**Description****published****in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** Rijk Zwaan Zaadteelt en Zaadhandel B.V.**Agent:** Rijk Zwaan Australia Pty.**Telephone:** 0353485528**Fax:** 0353485530

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Mandarin (*Citrus reticulata*)****Variety:** 'Moria'**Synonym:** N/A**Application no:** 2006/176**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 03-Jul-2006**Accepted:** 26-Jul-2006**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 25, Issue 3**Journal:****Title Holder:** The State of Israel - Ministry of Agriculture & Rural Development Agricultural Research Organisation**Agent:** Australian Nurserymen's Fruit Improvement Company Limited**Telephone:** 0734919905**Fax:** 0734919929

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Mandarin (*Citrus reticulata*)****Variety:** 'Orri'**Synonym:** N/A**Application no:** 2006/177**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 03-Jul-2006**Accepted:** 26-Jul-2006**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 25, Issue 3

**Title Holder:** The State of Israel - Ministry of Agriculture & Rural Development Agricultural Research Organisation

**Agent:** Australian Nurserymen's Fruit Improvement Company Limited

**Telephone:** 0734919905

**Fax:** 0734919929

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## Plant Varieties Journal - Search Result Details

**Mandarin (*Citrus reticulata*)****Variety:** 'Nectar'**Synonym:** N/A**Application no:** 2009/191**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 04-Aug-2009**Accepted:** 11-Dec-2009**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** The State of Israel - Ministry of Agriculture & Rural Development Agricultural Research Organisation**Agent:** Australian Nurserymen's Fruit Improvement Company Limited**Telephone:** 0734919905**Fax:** 0734919929

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Melaleuca (*Melaleuca ringens*)****Variety:** 'RingpenGL'**Synonym:** N/A**Application no:** 2010/201**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 02-Sep-2010**Accepted:** 24-Nov-2010**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 25, Issue 3**Varieties Journal:****Title Holder:** George A Lullfitz**Agent:** N/A**Telephone:** 0894051607**Fax:** 0893062933

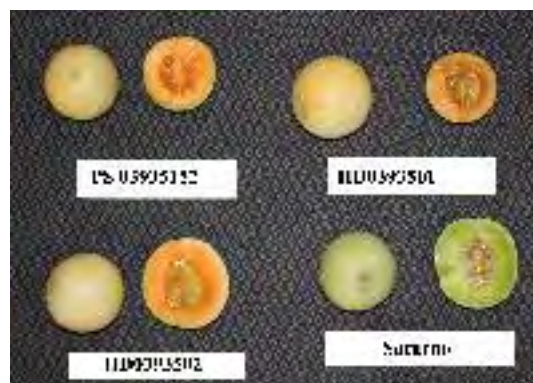
[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Melon (*Cucumis melo*)****Variety:** 'HDO393502'**Synonym:** N/A**Application no:** 2011/332**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 23-Dec-2011**Accepted:** 25-Jan-2012**Granted:** N/A**Description published****in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** Seminis Vegetable Seeds Inc**Agent:** Monsanto Australia Limited**Telephone:** 0394818300**Fax:** 0394818333

[View the detailed description of this variety.](#)

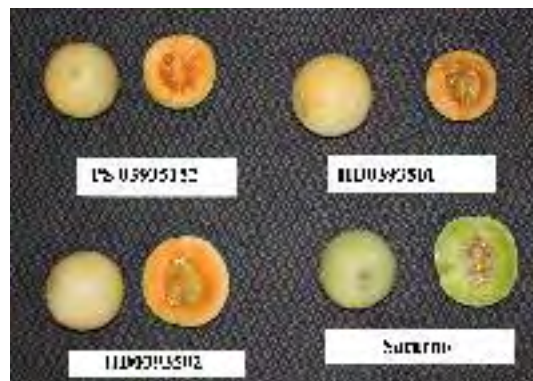




## Plant Varieties Journal - Search Result Details

**Melon (*Cucumis melo*)****Variety:** 'HDO393501'**Synonym:** N/A**Application no:** 2011/331**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 23-Dec-2011**Accepted:** 25-Jan-2012**Granted:** N/A**Description published****in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** Seminis Vegetable Seeds, Inc.**Agent:** Monsanto Australia Limited**Telephone:** 0395227121**Fax:** 0395226121

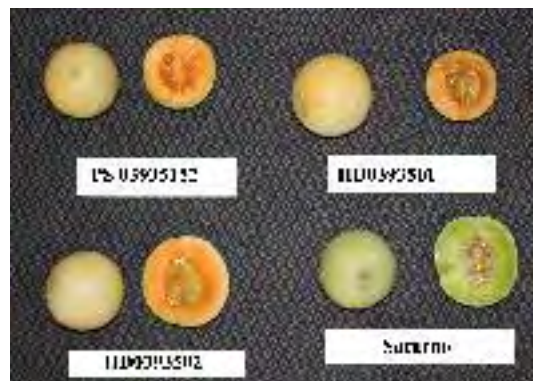
[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Melon (*Cucumis melo*)****Variety:** 'PS 03935152'**Synonym:** N/A**Application no:** 2011/330**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 23-Dec-2011**Accepted:** 25-Jan-2012**Granted:** N/A**Description published****in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** Seminis Vegetable Seeds, Inc.**Agent:** Monsanto Australia Limited**Telephone:** 0395227121**Fax:** 0395226121

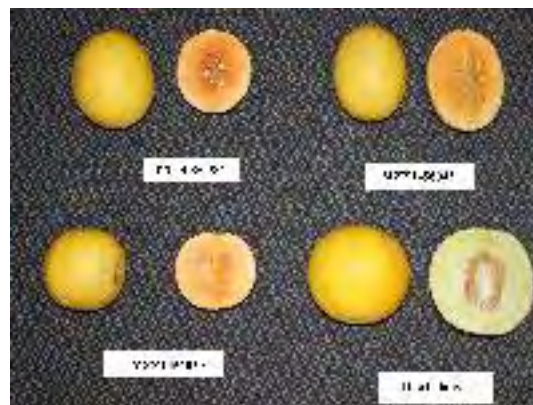
[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Melon (*Cucumis melo*)****Variety:** 'PX 14556354'**Synonym:** BLISSBOMB**Application no:** 2011/327**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 23-Dec-2011**Accepted:** 21-Feb-2012**Granted:** N/A**Description published****in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** Seminis Vegetable Seeds Inc**Agent:** Monsanto Australia Limited**Telephone:** 0394818300**Fax:** 0394818333

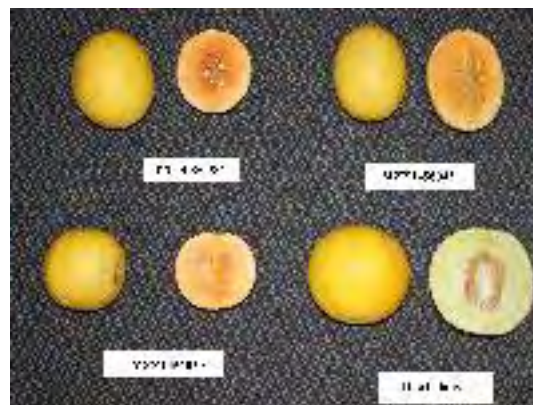
[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Melon (*Cucumis melo*)****Variety:** 'MZZ1456030'**Synonym:** N/A**Application no:** 2011/329**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 23-Dec-2011**Accepted:** 21-Feb-2012**Granted:** N/A**Description published****in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** Seminis Vegetable Seeds Inc**Agent:** Monsanto Australia Limited**Telephone:** 0394818300**Fax:** 0394818333

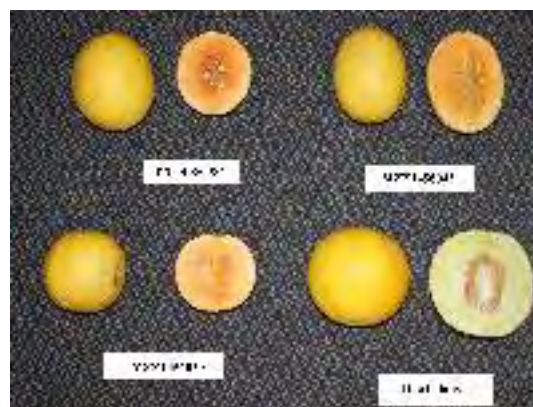
[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Melon (*Cucumis melo*)****Variety:** 'MZZ1456043'**Synonym:** N/A**Application no:** 2011/328**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 23-Dec-2011**Accepted:** 25-Jan-2012**Granted:** N/A**Description published****in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** Seminis Vegetable Seeds Inc**Agent:** Monsanto Australia Limited**Telephone:** 0394818300**Fax:** 0394818333

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Michelia (*Michelia hybrid*)****Variety:** 'MicJur01'**Synonym:** N/A**Application no:** 2009/184**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 27-Jul-2009**Accepted:** 27-Oct-2009**Granted:** N/A**Description published****in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** M C Jury**Agent:** Anthony Tesselaar Plants Pty Ltd**Telephone:** 0397379568**Fax:** 0397379899

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Nectarine (*Prunus persica* var *nucipersica*)**

**Variety:** 'Sugarine 1'  
**Synonym:** Ruby Sugarine

**Application no:** 2012/010

**Current status:** ACCEPTED

**Certificate no:** N/A

**Received:** 16-Jan-2012

**Accepted:** 16-May-2012

**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 25, Issue 3

**Title Holder:** Lowell G. Bradford

**Agent:** Buchanan's Nursery

**Telephone:** 0746152182

**Fax:** 0746152183

[View the detailed description of this variety.](#)

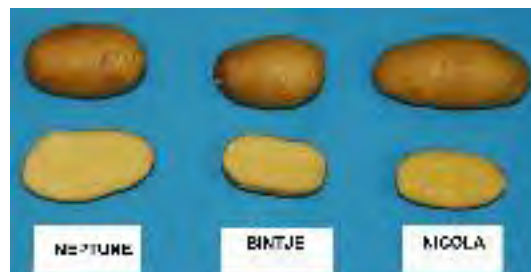




## Plant Varieties Journal - Search Result Details

**Potato (*Solanum tuberosum*)****Variety:** 'Neptune'**Synonym:** N/A**Application no:** 2010/013**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 23-Jan-2010**Accepted:** 04-Jun-2010**Granted:** N/A**Description****published****in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** HZPC Holland B.V.**Agent:** Harvest Moon Pty Ltd**Telephone:** 0364282505**Fax:** 0364282952

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Potato (*Solanum tuberosum*)****Variety:** 'Laurene'**Synonym:** N/A**Application no:** 2010/015**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 23-Jan-2010**Accepted:** 04-Jun-2010**Granted:** N/A**Description****published****in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** HZPC Holland B.V.**Agent:** Harvest Moon Pty Ltd**Telephone:** 0364282505**Fax:** 0364282952

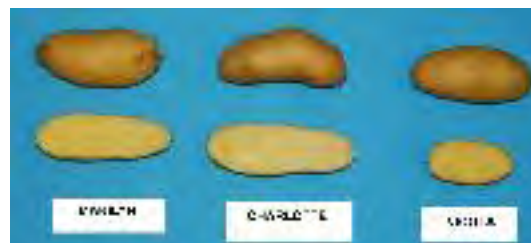
[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Potato (*Solanum tuberosum*)****Variety:** 'Marilyn'**Synonym:** N/A**Application no:** 2010/014**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 23-Jan-2010**Accepted:** 04-Jun-2010**Granted:** N/A**Description****published****in Plant** Volume 25, Issue 3**Varieties****Journal:****Title Holder:** HZPC Holland B.V.**Agent:** Harvest Moon Pty Ltd**Telephone:** 0364282505**Fax:** 0364282952

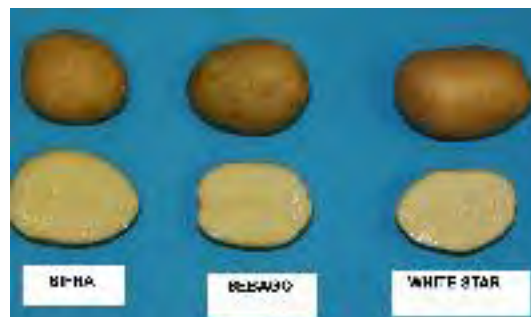
[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Potato (*Solanum tuberosum*)****Variety:** 'Sifra'**Synonym:** Sienna**Application no:** 2010/020**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 23-Jan-2010**Accepted:** 04-Jun-2010**Granted:** N/A**Description published****in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** HZPC Holland B.V. and C.J. Biemond**Agent:** Harvest Moon, Forth Farm Produce Pty. Ltd**Telephone:** 6136428250**Fax:** 6136428295

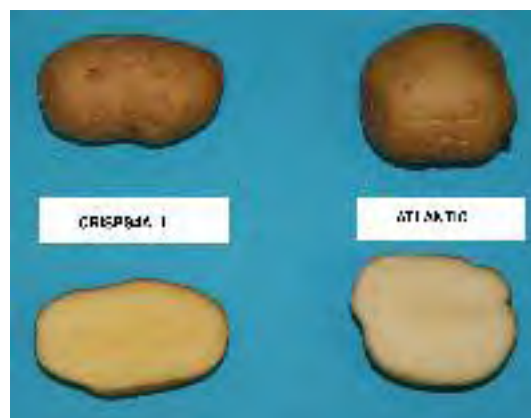
[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Potato (*Solanum tuberosum*)****Variety:** 'Crisp4all'**Synonym:** N/A**Application no:** 2010/018**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 23-Jan-2010**Accepted:** 04-Jun-2010**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** HZPC Holland B.V.**Agent:** Harvest Moon Pty Ltd**Telephone:** 0364282505**Fax:** 0364282952

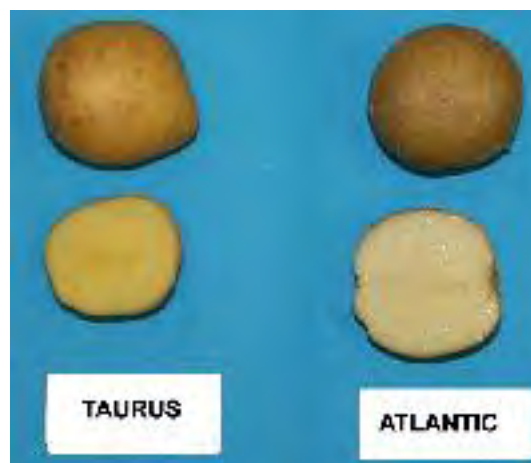
[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Potato (*Solanum tuberosum*)****Variety:** 'Taurus'**Synonym:** N/A**Application no:** 2010/017**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 23-Jan-2010**Accepted:** 04-Jun-2010**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 25, Issue 3**Varieties Journal:****Title Holder:** HZPC Holland B.V.**Agent:** Harvest Moon Pty Ltd**Telephone:** 0364282505**Fax:** 0364282952

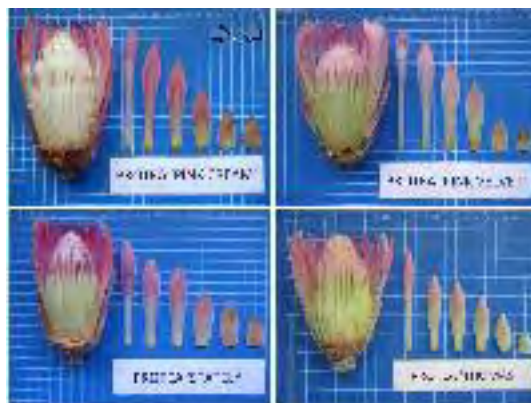
[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Protea (*Protea compacta*)****Variety:** 'Pink Cream'**Synonym:** N/A**Application no:** 2009/298**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 29-Oct-2009**Accepted:** 11-Dec-2009**Granted:** N/A**Description published****in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** Glenda Nielson**Agent:** N/A**Telephone:** 0398870425**Fax:** N/A

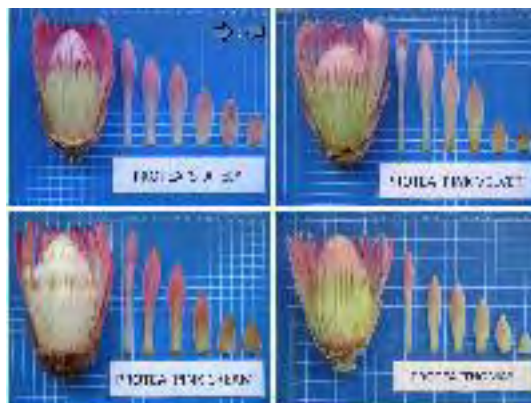
[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Protea (*Protea compacta*)****Variety:** 'Stately'**Synonym:** N/A**Application no:** 2009/297**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 29-Oct-2009**Accepted:** 11-Dec-2009**Granted:** N/A**Description published****in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** Glenda Nielson**Agent:** N/A**Telephone:** 0398870425**Fax:** N/A

[View the detailed description of this variety.](#)





## Plant Varieties Journal - Search Result Details

**Rice (*Oryza sativa*)****Variety:** 'VGR501'**Synonym:** N/A**Application no:** 2011/086**Current status:** Accepted**Certificate no:** N/A**Received:** 13-May-2011**Accepted:** 23-Jun-2011**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** Vita Grain Pte Ltd**Agent:** Dr. Abdul Mutakabbir Chaudhury**Telephone:** 0262311774**Fax:** N/A

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Rose (*Rosa hybrid*)****Variety:** 'Rockliz'**Synonym:** N/A**Application no:** 2006/040**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 10-Mar-2006**Accepted:** 24-Mar-2006**Granted:** N/A**Description****published****in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** R T and B E Inverarity**Agent:** N/A**Telephone:** 0353457232**Fax:** 0353457567

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Rose (*Rosa hybrid*)****Variety:** 'WEKcocbeb'**Synonym:** Topsy Turvy**Application no:** 2009/221**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 01-Sep-2009**Accepted:** 13-Apr-2010**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 25, Issue 3

**Title Holder:** Weeks Roses Ltd**Agent:** Swanes Nurseries Australia Pty Ltd**Telephone:** 0296511322**Fax:** 0296512146

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Rose (*Rosa hybrid*)****Variety:** 'WEKbipsboul'**Synonym:** MyHero**Application no:** 2009/188**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 30-Jul-2009**Accepted:** 09-Nov-2010**Granted:** N/A**Description****published****in Plant** Volume 25, Issue 3**Varieties****Journal:****Title Holder:** Weeks Roses Ltd**Agent:** Swane's Nurseries Australia Pty Ltd**Telephone:** 0296511322**Fax:** 0296512146

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Rose (*Rosa hybrid*)****Variety:** 'WEKsmopur'**Synonym:** Ebb Tide**Application no:** 2009/183**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 24-Jul-2009**Accepted:** 13-Apr-2010**Granted:** N/A**Description published****in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** Weeks Roses Ltd**Agent:** Swane's Nurseries Australia Pty Ltd**Telephone:** 0296511322**Fax:** 0296512146

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Spidernet Grevillea (*Grevillea preissii*)****Variety:** 'Green Seaspray'**Synonym:** N/A**Application no:** 2012/003**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 09-Jan-2012**Accepted:** 02-Feb-2012**Granted:** N/A**Description****published****in Plant** Volume 25, Issue 3**Varieties****Journal:****Title Holder:** George A Lullfitz**Agent:** N/A**Telephone:** 0894051607**Fax:** 0893062933

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Spiny Headed Mat Rush (*Lomandra longifolia*)****Variety:** 'NPW3'**Synonym:** N/A**Application no:** 2010/197**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 31-Aug-2010**Accepted:** 24-Nov-2010**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 25, Issue 3**Varieties Journal:****Title Holder:** Ozbreed Pty Ltd**Agent:** N/A**Telephone:** 0245772977**Fax:** 0245877728

[View the detailed description of this variety.](#)





## Plant Varieties Journal - Search Result Details

**Strawberry (*Fragaria xananassa*)****Variety:** 'DrisStrawSeventeen'**Synonym:** N/A**Application  
no:** 2010/184**Current  
status:** ACCEPTED**Certificate  
no:** N/A**Received:** 17-Aug-2010**Accepted:** 12-Oct-2010**Granted:** N/A**Description  
published****in Plant** Volume 25, Issue 3**Varieties****Journal:****Title Holder:** Driscoll Strawberry Associates, Inc.**Agent:** Phillips Ormonde Fitzpatrick**Telephone:** 0396222287**Fax:** 0396141867

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Strawberry (*Fragaria xananassa*)****Variety:** 'Treasure Harvest'**Synonym:** N/A**Application no:** 2011/046**Current status:** Accepted**Certificate no:** N/A**Received:** 30-Mar-2011**Accepted:** 04-May-2011**Granted:** N/A**Description published****in Plant Varieties Journal:** Volume 25, Issue 3**Description published in Plant Varieties Journal:****Title Holder:** Top Berries, LLC**Agent:** The State of Queensland acting through the Department of Agriculture, Fisheries and Forestry**Telephone:** 0732393498**Fax:** 0732393504

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Strawberry (*Fragaria xananassa*)****Variety:** 'Sweet Ann'**Synonym:** N/A**Application no:** 2012/179**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 18-Sep-2012**Accepted:** 15-Oct-2012**Granted:** N/A**Description published****in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** Lassen Canyon Nursery, Inc**Agent:** The State of Queensland acting through the Department of Agriculture, Forestry and Fisheries**Telephone:** 0732554465**Fax:** 0738466371

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Sugarcane (*Saccharum hybrid*)****Variety:** 'Q244'**Synonym:** BSES244**Application no:** 2011/166**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 13-Jul-2011**Accepted:** 05-Sep-2011**Granted:** N/A**Description published****in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** BSES Limited**Agent:** N/A**Telephone:** 0749636805**Fax:** 0738710383

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Sugarcane (*Saccharum hybrid*)****Variety:** 'Q249'**Synonym:** BSES249**Application no:** 2012/078**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 26-Apr-2012**Accepted:** 02-May-2012**Granted:** N/A**Description published****in Plant Varieties Journal:** Volume 25, Issue 3**Description published****Title Holder:** BSES Limited**Agent:** N/A**Telephone:** 0749636805**Fax:** 0738710383

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Sugarcane (*Saccharum hybrid*)****Variety:** 'Q251'**Synonym:** BSES251**Application no:** 2012/081**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 26-Apr-2012**Accepted:** 02-May-2012**Granted:** N/A**Description published****in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** BSES Limited**Agent:** N/A**Telephone:** 0749636805**Fax:** 0738710383

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Sugarcane (*Saccharum hybrid*)****Variety:** 'Q250'**Synonym:** BSES250**Application  
no:** 2012/080**Current  
status:** ACCEPTED**Certificate  
no:** N/A**Received:** 26-Apr-2012**Accepted:** 02-May-2012**Granted:** N/A**Description  
published****in Plant** Volume 25, Issue 3**Varieties****Journal:****Title Holder:** BSES Limited**Agent:** N/A**Telephone:** 0749636805**Fax:** 0738710383

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Sweet Cherry (*Prunus avium*)****Variety:** 'Royal Lynn'**Synonym:** N/A**Application  
no:** 2010/084**Current  
status:** ACCEPTED**Certificate  
no:** N/A**Received:** 27-Apr-2010**Accepted:** 25-May-2010**Granted:** N/A**Description  
published  
in Plant  
Varieties  
Journal:** Volume 25, Issue 3**Title Holder:** Zaiger's Inc. Genetics**Agent:** Graham's Factree Pty Ltd**Telephone:** 0399991999**Fax:** 0359674645

[View the detailed description of this  
variety.](#)





## Plant Varieties Journal - Search Result Details

**Tangor (*Citrus reticulata* x *Citrus sinensis*)****Variety:** 'Tacle'**Synonym:** N/A**Application  
no:** 2004/064**Current  
status:** ACCEPTED**Certificate  
no:** N/A**Received:** 23-Feb-2004**Accepted:** 01-May-2004**Granted:** N/A**Description  
published  
in Plant** Volume 25, Issue 3**Varieties  
Journal:****Title Holder:** Istituto Sperimentale per L'Agrumicoltura**Agent:** Australian Nurserymen's Fruit Improvement  
Company Limited**Telephone:** 0734919905**Fax:** 0734919929

[View the detailed description of this  
variety.](#)



## Plant Varieties Journal - Search Result Details

**Tassel Cord Rush (*Baloskion tetraphyllum*)****Variety:** 'BUNNAN'**Synonym:** N/A**Application no:** 2011/315**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 22-Dec-2011**Accepted:** 30-Jan-2012**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** SPROCZ Pty Ltd**Agent:** Ozbreed Pty Ltd**Telephone:** 0245772977**Fax:** 0245877728

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Waxflower (*Chamelaucium hybrid*)****Variety:** 'Raspberry Ripple'**Synonym:** N/A**Application no:** 2009/120**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 25-May-2009**Accepted:** 26-Jun-2009**Granted:** N/A**Description****published****in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** Goldsash Pty Ltd**Agent:** Western Flora**Telephone:** 0899525040**Fax:** 0899525053

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Waxflower (*Chamelaucium hybrid*)****Variety:** 'WX 74'**Synonym:** N/A**Application no:** 2011/089**Current status:** Accepted**Certificate no:** N/A**Received:** 13-May-2011**Accepted:** 25-May-2011**Granted:** N/A**Description published****in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** Western Australian Agriculture Authority**Agent:** N/A**Telephone:** 0893683354**Fax:** 0893683814

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Waxflower (*Chamelaucium hybrid*)****Variety:** 'Strawberry Surprise'**Synonym:** N/A**Application no:** 2009/122**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 25-May-2009**Accepted:** 26-Jun-2009**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 25, Issue 3**Varieties Journal:****Title Holder:** Goldsash Pty Ltd**Agent:** Western Flora**Telephone:** 0899525040**Fax:** 0899525053

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Waxflower (*Chamelaucium megalopetalum* x *uncinatum*)****Variety:** 'WX 56'**Synonym:** N/A**Application no:** 2011/087**Current status:** Accepted**Certificate no:** N/A**Received:** 13-May-2011**Accepted:** 25-May-2011**Granted:** N/A**Description published****in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** Western Australian Agriculture Authority**Agent:** N/A**Telephone:** 0893683354**Fax:** 0893683814

[View the detailed description of this variety.](#)





## Plant Varieties Journal - Search Result Details

**Waxflower (*Chamelaucium megalopetalum x uncinatum*)****Variety:** 'WX 58'**Synonym:** N/A**Application no:** 2011/090**Current status:** Accepted**Certificate no:** N/A**Received:** 13-May-2011**Accepted:** 25-May-2011**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** Western Australian Agriculture Authority**Agent:** N/A**Telephone:** 0893683354**Fax:** 0893683814

[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Waxflower (*Chamelaucium uncinatum*)****Variety:** 'WF MIM 5'**Synonym:** Mim 5**Application no:** 2012/055**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 16-Mar-2012**Accepted:** 21-May-2012**Granted:** N/A**Description****published****in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** Goldsash Pty Ltd**Agent:** Western Flora**Telephone:** 0899525040**Fax:** 0899525053

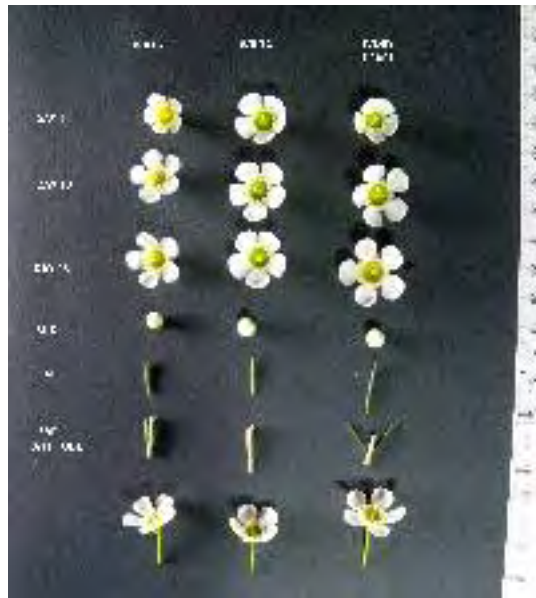
[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Waxflower (*Chamelaucium uncinatum* x *C. megalopetalum*)****Variety:** 'WX 87'**Synonym:** N/A**Application no:** 2011/088**Current status:** Accepted**Certificate no:** N/A**Received:** 13-May-2011**Accepted:** 26-May-2011**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 25, Issue 3**Title Holder:** Western Australian Agriculture Authority**Agent:** N/A**Telephone:** 0893683354**Fax:** 0893683814

[View the detailed description of this variety.](#)



**Details of Application**

|                           |  |
|---------------------------|--|
| <b>Application Number</b> | 2008/069                                     |
| <b>Variety Name</b>       | 'Fairy Pink'                                 |
| <b>Genus Species</b>      | <i>Aloe</i> hybrid                           |
| <b>Common Name</b>        | Aloe   |
| <b>Synonym</b>            | Nil  |
| <b>Accepted Date</b>      | 22 Apr 2008                                  |
| <b>Applicant</b>          | Leo Peter Erik Thamm, Randburg, South Africa |
| <b>Agent</b>              | Michael Dent, Taringa, QLD                   |
| <b>Qualified Person</b>   | Mark Lunghusen                               |

**Details of Comparative Trial**

|                            |  |
|----------------------------|--|
| <b>Location</b>            | Cranbourne, VIC, Australia   |
| <b>Descriptor</b>          | TG/ALOE (UPOV draft)   |
| <b>Period</b>              | Spring 2011 to Winter 2012   |
| <b>Conditions</b>          | Plants were grown in 15cm pots in a covered polyhouse with roll up walls in commercial pine bark based potting mix with controlled release fertiliser. Plants were grown on benches with overhead watering.  |
| <b>Trial Design</b>        | 10 plants in block design as part of a Centralised Testing Centre for Aloe   |
| <b>Measurements</b>        | Observations on the leaf were made on fully developed leaves from the middle part of the leaf rosette. The main colour is the colour of the largest surface area. The secondary colour is the colour of the second largest surface area. Observations on the immature flower bud were made on buds in the upper third of the raceme. Observations on the mature flower bud were made when the flower bud was fully expanded, prior to reflexing of the tepals. Observations on the flower and flower parts were made on fresh fully open flowers. Observations on the stamens were made shortly after dehiscence of the anthers. |
| <b>RHS Chart - edition</b> | Fifth Edition (2007)   |

**Origin and Breeding**

Controlled pollination: Aloe 'LEOaag' x Aloe 'LEOaal'. The seed parent was hand pollinated with pollen from the male parent, the seed harvested, sown, germinated and grown on. The candidate variety was selected from the resultant seedlings and vegetatively propagated to determine distinctness, uniformity and stability. Selection criteria: flower colour and plant habit. 'Fairy Pink' differs from its parent in plant and flower size. Breeder: Leo Thamm, South Africa.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>                  | <b>State of Expression in Group of Varieties</b> |
|-------------------------|---------------------------------|--|
| Leaf                    | marginal teeth                  | present  |
| Leaf                    | number of colours on upper side | one  |
| Leaf                    | density of marginal teeth       | dense  |
| Leaf                    | size of marginal teeth          | small  |
| Terminal raceme         | length of flowering part        | short to medium                                  |

Terminal raceme

colour of bract

whitish

**Most Similar Varieties of Common Knowledge identified (VCK)**

| Name           | Comments |
|----------------|----------|
| 'Winter Bells' |          |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety       | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments |
|---------------|--------------------------------|--|---|----------|
| 'Green Shark' | Plant habit<br>Leaf serrations | upright<br>large                         | spreading<br>small                        |          |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context  | 'Fairy Pink'                  | 'Winter Bells'    |
|--|-------------------------------|-------------------|
| <input type="checkbox"/> Plant: length                                   | medium to long                | medium            |
| <input type="checkbox"/> Plant: width                                    | narrow                        | narrow            |
| <input type="checkbox"/> Plant: number of inflorescences                 | very few                      | very few to few   |
| <input checked="" type="checkbox"/> *Leaf: length                        | long to very long             | medium            |
| <input type="checkbox"/> *Leaf: width (at base)                          | narrow                        | narrow            |
| <input type="checkbox"/> *Leaf: shape                                    | narrow triangular             | narrow triangular |
| <input type="checkbox"/> Leaf: thickness                                 | medium                        | medium            |
| <input type="checkbox"/> Leaf: curvature                                 | strongly incurved to incurved | incurved          |
| <input checked="" type="checkbox"/> Leaf: shape in cross section         | concave                       | convex            |
| <input type="checkbox"/> Leaf: shape of apex                             | sharply pointed               | sharply pointed   |
| <input type="checkbox"/> *Leaf: number of colours of upper side          | one                           | one               |
| <input type="checkbox"/> *Leaf: main colour of upper side                | medium green                  | dark green        |
| <input type="checkbox"/> *Leaf: marginal teeth                           | present                       | present           |
| <input checked="" type="checkbox"/> *Leaf: colour of marginal teeth      | green                         | red               |
| <input type="checkbox"/> *Leaf: non-marginal spines or white tubercles   | absent                        | absent            |
| <input checked="" type="checkbox"/> *Inflorescence: branching            | primary                       | absent            |
| <input checked="" type="checkbox"/> *Inflorescence: number of racemes    | two                           | one               |
| <input checked="" type="checkbox"/> *Inflorescence: length               | long                          | medium            |
| <input checked="" type="checkbox"/> Peduncle: length                     | long                          | medium            |
| <input checked="" type="checkbox"/> *Peduncle: colour                    | greenish                      | reddish           |
| <input type="checkbox"/> *Lateral raceme: posture                        | upright                       | not recorded      |
| <input type="checkbox"/> Terminal raceme: length of flowering part       | short to medium               | short to medium   |
| <input type="checkbox"/> *Terminal raceme: shape                         | conical                       | conical           |
| <input checked="" type="checkbox"/> *Terminal raceme: density of flowers | sparse                        | medium            |



|                                     |   |              |                   |
|-------------------------------------|---|--------------|-------------------|
| <input type="checkbox"/>            | Terminal raceme: size of flower bracts                                | small        | small             |
| <input checked="" type="checkbox"/> | Immature flower bud: main colour of pedicel                           | brownish     | reddish           |
| <input checked="" type="checkbox"/> | *Immature flower bud: main colour (RHS Colour Chart)                  | orange 27B   | yellow-orange 20B |
| <input checked="" type="checkbox"/> | Immature flower bud: secondary colour (RHS Colour Chart)              | red 36B      | orange-red 30B    |
| <input checked="" type="checkbox"/> | Mature flower bud: main colour of pedicel                             | greenish     | reddish           |
| <input type="checkbox"/>            | *Mature flower bud: main colour (RHS Colour Chart)                    | white NN155A | not recorded      |
| <input type="checkbox"/>            | *Flower: basal swelling   | weak         | not recorded      |
| <input type="checkbox"/>            | Perianth: recurving of apex   | medium       | not recorded      |
| <input type="checkbox"/>            | *Outer perianth segment: main colour of outer side (RHS Colour Chart) | white N155A  | not recorded      |
| <input type="checkbox"/>            | *Inner perianth segment: main colour of apex of inner side            | white        | not recorded      |
| <input type="checkbox"/>            | Stamen: protrusion in relation to apex of perianth segments           | strong       | not recorded      |
| <input type="checkbox"/>            | *Filament: anthocyanin colouration                                    | absent       | not recorded      |
| <input checked="" type="checkbox"/> | *Time of: flowering   | very early   | early to medium   |

### **Characteristics Additional to the Descriptor/TG**

| <b>Organ/Plant Part: Context</b>                          | <b>'Fairy Pink'</b> | <b>'Winter Bells'</b> |
|---|---------------------|-----------------------|
| <input type="checkbox"/> Leaf: density of marginal teeth  | dense               | not recorded          |
| <input type="checkbox"/> Leaf: size of marginal teeth     | small               | small                 |
| <input type="checkbox"/> Terminal raceme: colour of bract | whitish             | not recorded          |

### **Prior Applications and Sales**

Nil

First sold in South Africa in Mar 2004.

Description: **Mark Lunghusen**, Cranbourne, VIC.

**Details of Application**

|                           |  |
|---------------------------|--|
| <b>Application Number</b> | 2008/070                                     |
| <b>Variety Name</b>       | 'Always Red'                                 |
| <b>Genus Species</b>      | <i>Aloe</i> hybrid                           |
| <b>Common Name</b>        | Aloe   |
| <b>Synonym</b>            | Nil  |
| <b>Accepted Date</b>      | 22 Apr 2008                                  |
| <b>Applicant</b>          | Leo Peter Erik Thamm, Randburg, South Africa |
| <b>Agent</b>              | Michael Dent, Taringa, QLD                   |
| <b>Qualified Person</b>   | Mark Lunghusen                               |

**Details of Comparative Trial**

|                     |  |
|---------------------|--|
| <b>Location</b>     | Cranbourne, VIC, Australia   |
| <b>Descriptor</b>   | TG/ALOE (UPOV draft)   |
| <b>Period</b>       | Spring 2011 to Winter 2012   |
| <b>Conditions</b>   | Plants were grown in 15cm pots in a covered polyhouse with roll up walls in commercial pine bark based potting mix with controlled release fertiliser. Plants were grown on benches with overhead watering.  |
| <b>Trial Design</b> | 10 plants in block design as part of a Centralised Testing Centre for Aloe   |
| <b>Measurements</b> | Observations on the leaf were made on fully developed leaves from the middle part of the leaf rosette. The main colour is the colour of the largest surface area. The secondary colour is the colour of the second largest surface area. Observations on the immature flower bud were made on buds in the upper third of the raceme. Observations on the mature flower bud were made when the flower bud was fully expanded, prior to reflexing of the tepals. Observations on the flower and flower parts were made on fresh fully open flowers. Observations on the stamens were made shortly after dehiscence of the anthers. |

**RHS Chart - edition** Fifth Edition (2007)

**Origin and Breeding**

Controlled pollination followed by seedling selection: Aloe 'LEO 1970' x Aloe 'LEO 8559'. The seed parent was hand pollinated with pollen collected from pollen parent. The resulting seed was harvested, sown, germinated and grown on. The candidate variety was selected from the resultant seedlings and vegetatively propagated to determine distinctness, uniformity and stability. Selection criteria: plant habit, flower colour and flower timing. 'Always Red' differs from its parent in flower colour. Breeder: Leo Thamm, South Africa.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>                  | <b>State of Expression in Group of Varieties</b> |
|-------------------------|---------------------------------|--|
| Leaf                    | number of colours of upper side | one  |
| Leaf                    | marginal teeth                  | present  |
| Terminal raceme         | shape                           | conical  |
| Outer perianth segment  | main colour of outer side       | orange red                                       |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| Name             | Comments |
|------------------|----------|
| 'Andreas Orange' |          |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety                        | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments   |
|--------------------------------|--------------------------------|--|---|--|
| <i>Aloe glauca</i> (Blue Aloe) | leaf width at base             | medium                                   | broad                                     | <i>Aloe glauca</i> has very broad leaf width at the base and is much broader than the candidate. |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context   | 'Always Red'           | 'Andreas Orange'  |
|---|------------------------|-------------------|
| <input type="checkbox"/> Plant: length  | medium                 | medium            |
| <input checked="" type="checkbox"/> Plant: width  | medium                 | narrow            |
| <input type="checkbox"/> Plant: number of inflorescences  | very few               | very few          |
| <input type="checkbox"/> *Leaf: length  | short to medium        | short to medium   |
| <input type="checkbox"/> *Leaf: width (at base)   | medium                 | medium            |
| <input type="checkbox"/> *Leaf: shape   | narrow triangular      | narrow triangular |
| <input type="checkbox"/> Leaf: thickness  | medium                 | medium            |
| <input type="checkbox"/> Leaf: curvature  | incurved to horizontal | incurved          |
| <input type="checkbox"/> Leaf: shape in cross section   | concave                | concave           |
| <input type="checkbox"/> Leaf: shape of apex  | sharply pointed        | sharply pointed   |
| <input type="checkbox"/> *Leaf: number of colours of upper side                                     | one                    | one               |
| <input type="checkbox"/> *Leaf: main colour of upper side   | medium green           | medium green      |
| <input type="checkbox"/> *Leaf: marginal teeth  | present                | present           |
| <input checked="" type="checkbox"/> *Leaf: colour of marginal teeth                                 | green                  | white             |
| <input checked="" type="checkbox"/> *Leaf: non-marginal spines or white tubercles                   | lower side only        | absent            |
| <input type="checkbox"/> Leaf: distribution of non-marginal spines or white tubercles on lower side | over entire leaf       | not recorded      |
| <input type="checkbox"/> *Inflorescence: length   | short to medium        | short to medium   |
| <input type="checkbox"/> Peduncle: length   | short to medium        | short to medium   |
| <input type="checkbox"/> *Peduncle: colour  | greenish               | greenish          |
| <input checked="" type="checkbox"/> Terminal raceme: length of flowering part                       | short to medium        | medium to long    |
| <input type="checkbox"/> *Terminal raceme: shape  | conical                | conical           |

|                                     |   |                  |                    |
|-------------------------------------|---|------------------|--------------------|
| <input type="checkbox"/>            | *Terminal raceme: density of flowers                                  | medium           | medium             |
| <input type="checkbox"/>            | Terminal raceme: size of flower bracts                                | medium           | medium             |
| <input type="checkbox"/>            | Immature flower bud: main colour of pedicel                           | greenish         | greenish           |
| <input checked="" type="checkbox"/> | *Immature flower bud: main colour (RHS Colour Chart)                  | greyed red 179A  | greyed orange 167B |
| <input type="checkbox"/>            | Mature flower bud: main colour of pedicel                             | greenish         | not recorded       |
| <input checked="" type="checkbox"/> | *Mature flower bud: main colour (RHS Colour Chart)                    | red 43A          | orange red N30B    |
| <input type="checkbox"/>            | Pedicel: length   | medium to long   | medium to long     |
| <input checked="" type="checkbox"/> | *Flower: basal swelling   | weak to medium   | very weak to weak  |
| <input type="checkbox"/>            | Perianth: length  | long             | long               |
| <input type="checkbox"/>            | Perianth: diameter  | medium           | medium             |
| <input type="checkbox"/>            | Perianth: recurving of apex   | absent or slight | absent or slight   |
| <input checked="" type="checkbox"/> | *Outer perianth segment: main colour of outer side (RHS Colour Chart) | orange red 32B   | orange red 30C     |
| <input type="checkbox"/>            | *Inner perianth segment: main colour of apex of inner side            | green            | green              |
| <input type="checkbox"/>            | Stamen: protrusion in relation to apex of perianth segments           | absent or weak   | absent or weak     |
| <input type="checkbox"/>            | *Filament: anthocyanin colouration                                    | absent           | absent             |
| <input type="checkbox"/>            | *Time of: flowering   | early to medium  | medium             |

### **Characteristics Additional to the Descriptor/TG**

| <b>Organ/Plant Part: Context</b>                                     | <b>‘Always Red’</b> | <b>‘Andreas Orange’</b> |
|--|---------------------|-------------------------|
| <input checked="" type="checkbox"/> Leaf: density of marginal teeth  | dense               | weak                    |
| <input type="checkbox"/> Leaf: size of marginal teeth                | small               | small                   |
| <input checked="" type="checkbox"/> Terminal raceme: colour of bract | reddish             | whitish                 |
| <input type="checkbox"/> Leaf: shape of marginal teeth               | slightly hooked     | slightly hooked         |

### **Prior Applications and Sales**

Nil

First sold in South Africa in April 2004.

Description: **Mark Lunghusen**, Cranbourne, VIC.

**Details of Application**

|                           |  |
|---------------------------|--|
| <b>Application Number</b> | 2008/355                                     |
| <b>Variety Name</b>       | 'LEO 4120'                                   |
| <b>Genus Species</b>      | <i>Aloe</i> hybrid                           |
| <b>Common Name</b>        | Aloe   |
| <b>Synonym</b>            | Topaz  |
| <b>Accepted Date</b>      | 18 Dec 2008                                  |
| <b>Applicant</b>          | Leo Peter Erik Thamm, Randburg, South Africa |
| <b>Agent</b>              | Michael Dent, Taringa, QLD                   |
| <b>Qualified Person</b>   | Mark Lunghusen                               |

**Details of Comparative Trial**

|                            |  |
|----------------------------|--|
| <b>Location</b>            | Cranbourne, VIC, Australia   |
| <b>Descriptor</b>          | TG/ALOE (UPOV draft)   |
| <b>Period</b>              | Spring 2011 to Winter 2012   |
| <b>Conditions</b>          | Plants were grown in 15cm pots in a covered polyhouse with roll up walls in commercial pine bark based potting mix with controlled release fertiliser. Plants were grown on benches with overhead watering.  |
| <b>Trial Design</b>        | 10 plants in block design as part of a Centralised Testing Centre for Aloe.  |
| <b>Measurements</b>        | Observations on the leaf were made on fully developed leaves from the middle part of the leaf rosette. The main colour is the colour of the largest surface area. The secondary colour is the colour of the second largest surface area. Observations on the immature flower bud were made on buds in the upper third of the raceme. Observations on the mature flower bud were made when the flower bud was fully expanded, prior to reflexing of the tepals. Observations on the flower and flower parts were made on fresh fully open flowers. Observations on the stamens were made shortly after dehiscence of the anthers. |
| <b>RHS Chart - edition</b> | Fifth Edition (2007)   |

**Origin and Breeding**

Controlled pollination followed by seedling selection: Aloe 'LEO 1970' x *Aloe inyangensis*. The seed parent was hand pollinated with pollen collected from the selected species. The seed was harvested, sown, germinated and grown on. The candidate variety was selected from the resultant seedlings and vegetatively propagated to determine distinctness, uniformity and stability. Selection criteria: plant habit, flower magnitude, flower colour and length of flower period. 'LEO 4120' differs from its maternal parent in flower colour and from paternal parent in flowering period. Breeder: Leo Thamm, South Africa.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>                  | <b>State of Expression in Group of Varieties</b> |
|-------------------------|---------------------------------|--|
| Leaf                    | number of colours of upper side | one  |
| Leaf                    | marginal teeth                  | present  |

Outer perianth segment      main colour of outer side      orange-red

**Most Similar Varieties of Common Knowledge identified (VCK)**

| Name                    | Comments |
|-------------------------|----------|
| <i>Aloe inyangensis</i> |          |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety             | Distinguishing Characteristics   | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments |
|---------------------|----------------------------------|--|---|----------|
| <i>Aloe cooperi</i> | Leaf holding of evergreen leaves |  | deciduous                                 |          |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context  | 'LEO 4120'             | <i>Aloe inyangensis</i> |
|--|------------------------|-------------------------|
| <input type="checkbox"/> Plant: length                                 | medium to long         | medium                  |
| <input type="checkbox"/> Plant: width                                  | medium to broad        | medium to broad         |
| <input type="checkbox"/> Plant: number of inflorescences               | very few               | very few                |
| <input type="checkbox"/> *Leaf: length                                 | very long              | very long               |
| <input checked="" type="checkbox"/> *Leaf: width (at base)             | narrow                 | very narrow             |
| <input type="checkbox"/> *Leaf: shape                                  | narrow triangular      | narrow triangular       |
| <input type="checkbox"/> Leaf: thickness                               | thin                   | thin                    |
| <input type="checkbox"/> Leaf: curvature                               | horizontal to recurved | horizontal to recurved  |
| <input type="checkbox"/> Leaf: shape in cross section                  | concave                | concave                 |
| <input type="checkbox"/> Leaf: shape of apex                           | pointed                | sharply pointed         |
| <input type="checkbox"/> *Leaf: number of colours of upper side        | one                    | one                     |
| <input type="checkbox"/> *Leaf: main colour of upper side              | medium green           | dark green              |
| <input type="checkbox"/> *Leaf: marginal teeth                         | present                | present                 |
| <input type="checkbox"/> *Leaf: colour of marginal teeth               | green                  | green                   |
| <input type="checkbox"/> *Leaf: non-marginal spines or white tubercles | absent                 | absent                  |
| <input type="checkbox"/> *Inflorescence: branching                     | primary                | absent                  |
| <input type="checkbox"/> *Inflorescence: number of racemes             | two                    | two                     |
| <input checked="" type="checkbox"/> *Inflorescence: length             | long to very long      | medium                  |
| <input checked="" type="checkbox"/> Peduncle: length                   | long to very long      | medium                  |
| <input type="checkbox"/> *Peduncle: colour                             | greenish               | greenish                |
| <input type="checkbox"/> *Lateral raceme: posture                      | upright                |                         |
| <input type="checkbox"/> Terminal raceme: length of flowering part     | short to medium        | short                   |

|                                     |   |                  |                  |
|-------------------------------------|---|------------------|------------------|
| <input checked="" type="checkbox"/> | *Terminal raceme: shape   | conical          | cylindrical      |
| <input type="checkbox"/>            | *Terminal raceme: density of flowers                                  | dense            | medium to dense  |
| <input type="checkbox"/>            | Terminal raceme: size of flower bracts                                | large            | large            |
| <input type="checkbox"/>            | Immature flower bud: main colour of pedicel                           | reddish          | reddish          |
| <input checked="" type="checkbox"/> | *Immature flower bud: main colour (RHS Colour Chart)                  | orange-red 31A   | orange-red N32A  |
| <input type="checkbox"/>            | Mature flower bud: main colour of pedicel                             | reddish          | reddish          |
| <input checked="" type="checkbox"/> | *Mature flower bud: main colour (RHS Colour Chart)                    | N30A             | orange-red N32A  |
| <input type="checkbox"/>            | Pedicel: length   | medium to long   | long             |
| <input type="checkbox"/>            | *Flower: basal swelling   | very weak        | very weak        |
| <input type="checkbox"/>            | Perianth: length  | long             | long             |
| <input type="checkbox"/>            | Perianth: diameter  | medium           | medium           |
| <input type="checkbox"/>            | Perianth: recurving of apex   | absent or slight | absent or slight |
| <input checked="" type="checkbox"/> | *Outer perianth segment: main colour of outer side (RHS Colour Chart) | N30A             | orange-red N32A  |
| <input type="checkbox"/>            | *Inner perianth segment: main colour of apex of inner side            | green            | green            |
| <input type="checkbox"/>            | Stamen: protrusion in relation to apex of perianth segments           | absent or weak   | absent or weak   |
| <input type="checkbox"/>            | *Filament: anthocyanin colouration                                    | absent           | absent           |
| <input type="checkbox"/>            | *Time of: flowering   | early            | early to medium  |

### **Characteristics Additional to the Descriptor/TG**

| <b>Organ/Plant Part: Context</b>                                     | <b>'LEO 4120'</b> | <b><i>Aloe inyangensis</i></b> |
|--|-------------------|--------------------------------|
| <input type="checkbox"/> Leaf: density of marginal teeth             | medium            | medium                         |
| <input type="checkbox"/> Leaf: size of marginal teeth                | medium            | small                          |
| <input checked="" type="checkbox"/> Terminal raceme: colour of bract | reddish           | greenish                       |

### **Prior Applications and Sales**

| <b>Country</b> | <b>Year</b> | <b>Current Status</b> | <b>Name Applied</b> |
|----------------|-------------|-----------------------|---------------------|
| South Africa   | 2005        | Granted               | 'LEO 4120'          |

First sold in South Africa in March 2006 and in Australia in March 2008.

Description: **Mark Lunghusen**, Cranbourne, VIC.



**Details of Application**

|                           |  |
|---------------------------|--|
| <b>Application Number</b> | 2008/353                                     |
| <b>Variety Name</b>       | 'LEO 1730'                                   |
| <b>Genus Species</b>      | <i>Aloe</i> hybrid                           |
| <b>Common Name</b>        | Aloe   |
| <b>Synonym</b>            | Southern Cross                               |
| <b>Accepted Date</b>      | 18 Dec 2008                                  |
| <b>Applicant</b>          | Leo Peter Erik Thamm, Randburg, South Africa |
| <b>Agent</b>              | Michael Dent, Taringa, QLD                   |
| <b>Qualified Person</b>   | Mark Lunghusen                               |

**Details of Comparative Trial**

|                     |  |
|---------------------|--|
| <b>Location</b>     | Cranbourne, VIC, Australia   |
| <b>Descriptor</b>   | TG/ALOE (UPOV draft)   |
| <b>Period</b>       | Spring 2011 to Winter 2012   |
| <b>Conditions</b>   | Plants were grown in 15cm pots in a covered polyhouse with roll up walls in commercial pine bark based potting mix with controlled release fertiliser. Plants were grown on benches with overhead watering.  |
| <b>Trial Design</b> | 10 plants in block design as part of a Centralised Testing Centre for Aloe.  |
| <b>Measurements</b> | Observations on the leaf were made on fully developed leaves from the middle part of the leaf rosette. The main colour is the colour of the largest surface area. The secondary colour is the colour of the second largest surface area. Observations on the immature flower bud were made on buds in the upper third of the raceme. Observations on the mature flower bud were made when the flower bud was fully expanded, prior to reflexing of the tepals. Observations on the flower and flower parts were made on fresh fully open flowers. Observations on the stamens were made shortly after dehiscence of the anthers. |

**RHS Chart - edition** Fifth Edition (2007)

**Origin and Breeding**

Controlled pollination followed by seedling selection: 'LEO 6074' x 'LEO cap'. The seed parent was hand pollinated with pollen collected from the pollen parent. The resulting seed was harvested, sown, germinated and grown on. The candidate variety was selected from the resultant seedlings and vegetatively propagated to determine distinctness, uniformity and stability. Selection criteria: plant shape, plant colour, flower production and flower colour. 'LEO 1730' differs from its both parents in plant size. Breeder: Leo Thamm, South Africa.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>                         | <b>State of Expression in Group of Varieties</b> |
|-------------------------|--|--|
| Leaf                    | number of colours of upper side        | one  |
| Leaf                    | marginal teeth                         | present  |
| Leaf                    | non-marginal spines or white tubercles | absent   |
| Inflorescence           | number of racemes                      | one  |

Outer perianth segment      main colour of outer side      yellow

**Most Similar Varieties of Common Knowledge identified (VCK)**

| Name                 | Comments |
|----------------------|----------|
| <i>Aloe capitata</i> |          |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety           | Distinguishing Characteristics              | State of Expression in Candidate | State of Expression in Comparator Variety | Comments   |
|-------------------|---|----------------------------------|---|--|
| <i>Aloe ferox</i> | Leaf non-marginal spines or white tubercles | absent                           | lower side only                           | <i>Aloe ferox</i> has non-marginal spines where as the candidate does not. |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context   | 'LEO 1730'             | <i>Aloe capitata</i>   |
|---|------------------------|------------------------|
| <input type="checkbox"/> Plant: length  | long                   | long                   |
| <input type="checkbox"/> Plant: width   | medium to broad        | medium to broad        |
| <input type="checkbox"/> Plant: number of inflorescences                      | medium                 | medium                 |
| <input checked="" type="checkbox"/> *Leaf: length                             | medium                 | very long              |
| <input checked="" type="checkbox"/> *Leaf: width (at base)                    | medium to broad        | very broad             |
| <input type="checkbox"/> *Leaf: shape   | medium triangular      | medium triangular      |
| <input type="checkbox"/> Leaf: thickness                                      | medium to thick        | medium to thick        |
| <input type="checkbox"/> Leaf: curvature                                      | incurved to horizontal | incurved to horizontal |
| <input type="checkbox"/> Leaf: shape in cross section                         | concave                | concave                |
| <input type="checkbox"/> Leaf: shape of apex                                  | round                  | round                  |
| <input type="checkbox"/> *Leaf: number of colours of upper side               | one                    | one                    |
| <input type="checkbox"/> *Leaf: main colour of upper side                     | blue-grey              | blue-grey              |
| <input type="checkbox"/> *Leaf: marginal teeth                                | present                | present                |
| <input type="checkbox"/> *Leaf: colour of marginal teeth                      | red                    | red                    |
| <input type="checkbox"/> *Leaf: non-marginal spines or white tubercles        | absent                 | absent                 |
| <input type="checkbox"/> *Inflorescence: branching                            | absent                 | absent                 |
| <input type="checkbox"/> *Inflorescence: number of racemes                    | one                    | one                    |
| <input type="checkbox"/> *Inflorescence: length                               | short to medium        | medium                 |
| <input type="checkbox"/> Peduncle: length                                     | short to medium        | medium                 |
| <input type="checkbox"/> *Peduncle: colour                                    | greenish               | greenish               |
| <input checked="" type="checkbox"/> Terminal raceme: length of flowering part | medium                 | very short             |
| <input type="checkbox"/> *Terminal raceme: shape                              | cylindrical            | broad cylindrical      |

|                                     |   |                  |                   |
|-------------------------------------|---|------------------|-------------------|
| <input checked="" type="checkbox"/> | *Terminal raceme: density of flowers                                  | dense            | sparse            |
| <input type="checkbox"/>            | Terminal raceme: size of flower bracts                                | small to medium  | medium            |
| <input type="checkbox"/>            | Immature flower bud: main colour of pedicel                           | greenish         | greenish          |
| <input checked="" type="checkbox"/> | *Immature flower bud: main colour (RHS Colour Chart)                  | yellow 13B       | yellow 16B        |
| <input type="checkbox"/>            | Mature flower bud: main colour of pedicel                             | yellowish        | yellowish         |
| <input checked="" type="checkbox"/> | *Mature flower bud: main colour (RHS Colour Chart)                    | yellow 4B        | yellow 16B        |
| <input type="checkbox"/>            | Pedicel: length   | short to medium  | medium to long    |
| <input type="checkbox"/>            | *Flower: basal swelling   | very weak        | very weak         |
| <input checked="" type="checkbox"/> | Perianth: length  | short to medium  | long              |
| <input checked="" type="checkbox"/> | Perianth: diameter  | small            | medium            |
| <input type="checkbox"/>            | Perianth: recurving of apex   | absent or slight | medium            |
| <input checked="" type="checkbox"/> | *Outer perianth segment: main colour of outer side (RHS Colour Chart) | yellow 4C        | yellow-orange 20A |
| <input checked="" type="checkbox"/> | *Inner perianth segment: main colour of apex of inner side            | yellow           | green             |
| <input type="checkbox"/>            | Stamen: protrusion in relation to apex of perianth segments           | absent or weak   | absent or weak    |
| <input type="checkbox"/>            | *Filament: anthocyanin colouration                                    | absent           | absent            |
| <input checked="" type="checkbox"/> | *Time of: flowering   | late             | medium            |

### **Characteristics Additional to the Descriptor/TG**

| <b>Organ/Plant Part: Context</b>                                 | <b>'LEO 1730'</b> | <b><i>Aloe capitata</i></b> |
|--|-------------------|-----------------------------|
| <input type="checkbox"/> Leaf: density of marginal teeth         | medium            | not recorded                |
| <input checked="" type="checkbox"/> Leaf: size of marginal teeth | large             | small                       |

### **Prior Applications and Sales**

| <b>Country</b> | <b>Year</b> | <b>Current Status</b> | <b>Name Applied</b> |
|----------------|-------------|-----------------------|---------------------|
| South Africa   | 2005        | Granted               | 'LEO 1730'          |

First sold in South Africa in Aug 2005 and in Australia in May 2008.

Description: **Mark Lunghusen**, Cranbourne, VIC.

**Details of Application**

|                           |  |
|---------------------------|--|
| <b>Application Number</b> | 2008/354                                     |
| <b>Variety Name</b>       | 'LEO 8547'                                   |
| <b>Genus Species</b>      | <i>Aloe</i> hybrid                           |
| <b>Common Name</b>        | Aloe   |
| <b>Synonym</b>            | Gemini                                       |
| <b>Accepted Date</b>      | 18 Dec 2008                                  |
| <b>Applicant</b>          | Leo Peter Erik Thamm, Randburg, South Africa |
| <b>Agent</b>              | Michael Dent, Taringa, QLD                   |
| <b>Qualified Person</b>   | Mark Lunghusen                               |

**Details of Comparative Trial**

|                     |  |
|---------------------|--|
| <b>Location</b>     | Cranbourne, VIC, Australia   |
| <b>Descriptor</b>   | TG/ALOE (UPOV draft)   |
| <b>Period</b>       | Spring 2011 to Winter 2012   |
| <b>Conditions</b>   | Plants were grown in 15cm pots in a covered polyhouse with roll up walls in commercial pine bark based potting mix with controlled release fertiliser. Plants were grown on benches with overhead watering.  |
| <b>Trial Design</b> | 10 plants in block design as part of a Centralised Testing Centre for Aloe.  |
| <b>Measurements</b> | Observations on the leaf were made on fully developed leaves from the middle part of the leaf rosette. The main colour is the colour of the largest surface area. The secondary colour is the colour of the second largest surface area. Observations on the immature flower bud were made on buds in the upper third of the raceme. Observations on the mature flower bud were made when the flower bud was fully expanded, prior to reflexing of the tepals. Observations on the flower and flower parts were made on fresh fully open flowers. Observations on the stamens were made shortly after dehiscence of the anthers. |

**RHS Chart - edition** Fifth Edition (2007)

**Origin and Breeding**

Controlled pollination followed by seedling selection: Aloe 'LEO 8566' x Aloe 'LEO 6079'. The seed parent was hand pollinated with pollen collected from the pollen parent. The resulting seed was harvested, sown, germinated and grown on. The candidate variety was selected from the resultant seedlings and vegetatively propagated to determine distinctness, uniformity and stability. Selection criteria: plant shape, leaf shape and flower performance. 'LEO 8547' differs from its maternal parent in leaf colour and from paternal parent in flower colour. Breeder: Leo Thamm, South Africa.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>                  | <b>State of Expression in Group of Varieties</b> |
|-------------------------|---------------------------------|--|
| Leaf                    | number of colours of upper side | one  |
| Leaf                    | marginal teeth                  | present  |
| Outer perianth segment  | main colour of outer side       | orange-red                                       |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| Name                  | Comments |
|-----------------------|----------|
| Aloe 'Andreas Orange' |          |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety                | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments  |
|------------------------|--------------------------------|--|---|---|
| <i>Aloe spinossima</i> | Organ/Plant Part<br>Leaf       | non-marginal spines or white tubercles   | absent                                    | upper and lower sides<br><i>Aloe spinossima</i> has non-marginal spines and the candidate does not. |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context  | 'LEO 8547'        | Aloe 'Andreas Orange' |
|--|-------------------|-----------------------|
| <input type="checkbox"/> Plant: length                                 | medium            | medium                |
| <input checked="" type="checkbox"/> Plant: width                       | medium            | narrow                |
| <input type="checkbox"/> Plant: number of inflorescences               | very few          | very few              |
| <input type="checkbox"/> *Leaf: length                                 | short             | short to medium       |
| <input checked="" type="checkbox"/> *Leaf: width (at base)             | narrow            | medium                |
| <input type="checkbox"/> *Leaf: shape                                  | narrow triangular | narrow triangular     |
| <input type="checkbox"/> Leaf: thickness                               | thin to medium    | medium                |
| <input checked="" type="checkbox"/> Leaf: curvature                    | horizontal        | incurved              |
| <input type="checkbox"/> Leaf: shape in cross section                  | concave           | concave               |
| <input type="checkbox"/> Leaf: shape of apex                           | sharply pointed   | sharply pointed       |
| <input type="checkbox"/> *Leaf: number of colours of upper side        | one               | one                   |
| <input type="checkbox"/> *Leaf: main colour of upper side              | light green       | medium green          |
| <input type="checkbox"/> *Leaf: marginal teeth                         | present           | present               |
| <input checked="" type="checkbox"/> *Leaf: colour of marginal teeth    | green             | white                 |
| <input type="checkbox"/> *Leaf: non-marginal spines or white tubercles | absent            | absent                |
| <input type="checkbox"/> *Inflorescence: branching                     | absent            | absent                |
| <input type="checkbox"/> *Inflorescence: number of racemes             | one               | one                   |
| <input type="checkbox"/> *Inflorescence: length                        | short to medium   | short to medium       |
| <input type="checkbox"/> Peduncle: length                              | short to medium   | short to medium       |

|                                     |   |                    |                    |
|-------------------------------------|---|--------------------|--------------------|
| <input type="checkbox"/>            | *Peduncle: colour   | greenish           | greenish           |
| <input checked="" type="checkbox"/> | Terminal raceme: length of flowering part                             | short              | medium             |
| <input checked="" type="checkbox"/> | *Terminal raceme: shape   | corymbose-capitate | conical            |
| <input checked="" type="checkbox"/> | *Terminal raceme: density of flowers                                  | dense              | medium             |
| <input type="checkbox"/>            | Terminal raceme: size of flower bracts                                | small to medium    | medium             |
| <input type="checkbox"/>            | Immature flower bud: main colour of pedicel                           | greenish           | greenish           |
| <input checked="" type="checkbox"/> | *Immature flower bud: main colour (RHS Colour Chart)                  | orange-red 31A     | greyed-orange 167B |
| <input type="checkbox"/>            | Mature flower bud: main colour of pedicel                             | greenish           | not recorded       |
| <input checked="" type="checkbox"/> | *Mature flower bud: main colour (RHS Colour Chart)                    | orange-red 31A     | orange-red N30B    |
| <input type="checkbox"/>            | Pedicel: length   | medium to long     | medium to long     |
| <input checked="" type="checkbox"/> | *Flower: basal swelling   | weak to medium     | very weak to weak  |
| <input type="checkbox"/>            | Perianth: length  | long               | long               |
| <input type="checkbox"/>            | Perianth: diameter  | medium             | medium             |
| <input type="checkbox"/>            | Perianth: recurving of apex   | absent or slight   | absent or slight   |
| <input checked="" type="checkbox"/> | *Outer perianth segment: main colour of outer side (RHS Colour Chart) | orange-red 31B     | orange-red 30C     |
| <input type="checkbox"/>            | *Inner perianth segment: main colour of apex of inner side            | green              | green              |
| <input type="checkbox"/>            | Stamen: protrusion in relation to apex of perianth segments           | absent or weak     | absent or weak     |
| <input type="checkbox"/>            | *Filament: anthocyanin colouration                                    | absent             | absent             |
| <input type="checkbox"/>            | *Time of: flowering   | medium             | medium             |

### **Characteristics Additional to the Descriptor/TG**

| <b>Organ/Plant Part: Context</b>                                     | <b>‘LEO 8547’</b> | <b>Aloe ‘Andreas Orange’</b> |
|--|-------------------|------------------------------|
| <input checked="" type="checkbox"/> Leaf: density of marginal teeth  | medium            | weak                         |
| <input checked="" type="checkbox"/> Leaf: size of marginal teeth     | medium            | small                        |
| <input checked="" type="checkbox"/> Terminal raceme: colour of bract | brownish          | whitish                      |

### **Prior Applications and Sales**

| <b>Country</b> | <b>Year</b> | <b>Current Status</b> | <b>Name Applied</b> |
|----------------|-------------|-----------------------|---------------------|
| South Africa   | 2005        | Granted               | ‘LEO 8547’          |

First sold in South Africa in April 2004 and in Australia in March 2008.

Description: **Mark Lunghusen**, Cranbourne, VIC.

**Details of Application**

|                           |  |
|---------------------------|--|
| <b>Application Number</b> | 2008/351                                     |
| <b>Variety Name</b>       | 'LEO 3676B'                                  |
| <b>Genus Species</b>      | <i>Aloe</i> hybrid                           |
| <b>Common Name</b>        | Aloe   |
| <b>Synonym</b>            | Copper Shower                                |
| <b>Accepted Date</b>      | 18 Dec 2008                                  |
| <b>Applicant</b>          | Leo Peter Erik Thamm, Randburg, South Africa |
| <b>Agent</b>              | Michael Dent, Taringa, QLD                   |
| <b>Qualified Person</b>   | Mark Lunghusen                               |

**Details of Comparative Trial**

|                     |  |
|---------------------|--|
| <b>Location</b>     | Cranbourne, VIC, Australia   |
| <b>Descriptor</b>   | TG/ALOE (UPOV draft)   |
| <b>Period</b>       | Spring 2011 to Winter 2012   |
| <b>Conditions</b>   | Plants were grown in 15cm pots in a covered polyhouse with roll up walls in commercial pine bark based potting mix with controlled release fertiliser. Plants were grown on benches with overhead watering.  |
| <b>Trial Design</b> | 10 plants in block design as part of a Centralised Testing Centre for Aloe   |
| <b>Measurements</b> | Observations on the leaf were made on fully developed leaves from the middle part of the leaf rosette. The main colour is the colour of the largest surface area. The secondary colour is the colour of the second largest surface area. Observations on the immature flower bud were made on buds in the upper third of the raceme. Observations on the mature flower bud were made when the flower bud was fully expanded, prior to reflexing of the tepals. Observations on the flower and flower parts were made on fresh fully open flowers. Observations on the stamens were made shortly after dehiscence of the anthers. |

**RHS Chart - edition** Fifth Edition (2007)

**Origin and Breeding**

Controlled pollination followed by seedling selection: Aloe 'LEO daw-g' x Aloe 'LEO 3676B'. The seed parent was hand pollinated with pollen collected from the pollen parent. The resulted seed was harvested, sown, germinated and grown on. The candidate variety was selected from the resultant seedlings and vegetatively propagated to determine distinctness, uniformity and stability. Selection criteria: flower colour, flower performance and flower period. 'LEO 3676B' differs from its parent in leaf and flower colour. Breeder: Leo Thamm, South Africa.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>                  | <b>State of Expression in Group of Varieties</b> |
|-------------------------|---------------------------------|--|
| Leaf                    | number of colours of upper side | one  |
| Leaf                    | marginal teeth                  | present  |
| Leaf                    | colour of marginal teeth        | green  |



**Most Similar Varieties of Common Knowledge identified (VCK)**

| Name                                   | Comments |
|--|----------|
| <i>Aloe arborescens</i>                |          |
| <i>Aloe ferox</i> x <i>arborescens</i> |          |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context  | 'LEO 3676B'            | <i>Aloe arborescens</i> | <i>Aloe ferox</i> x <i>arborescens</i> |
|--|------------------------|-------------------------|--|
| <input type="checkbox"/> Plant: length                                 | short to medium        | medium to long          | short to medium                        |
| <input checked="" type="checkbox"/> Plant: width                       | broad                  | broad                   | medium                                 |
| <input checked="" type="checkbox"/> *Leaf: length                      | long to very long      | very long               | short to medium                        |
| <input checked="" type="checkbox"/> *Leaf: width (at base)             | broad                  | medium                  | narrow                                 |
| <input type="checkbox"/> *Leaf: shape                                  | narrow triangular      | narrow triangular       | narrow triangular                      |
| <input type="checkbox"/> Leaf: thickness                               | medium                 | medium                  | medium                                 |
| <input type="checkbox"/> Leaf: curvature                               | incurved to horizontal | horizontal              | horizontal                             |
| <input type="checkbox"/> Leaf: shape in cross section                  | concave                | concave                 | straight                               |
| <input type="checkbox"/> Leaf: shape of apex                           | sharply pointed        | sharply pointed         | sharply pointed                        |
| <input type="checkbox"/> *Leaf: number of colours of upper side        | one                    | one                     | one                                    |
| <input checked="" type="checkbox"/> *Leaf: main colour of upper side   | medium green           | blue-grey               | dark green                             |
| <input type="checkbox"/> *Leaf: marginal teeth                         | present                | present                 | present                                |
| <input type="checkbox"/> *Leaf: colour of marginal teeth               | green                  | green                   | green                                  |
| <input type="checkbox"/> *Leaf: non-marginal spines or white tubercles | absent                 | absent                  | absent                                 |

**Characteristics Additional to the Descriptor/TG**

| Organ/Plant Part: Context                                | 'LEO 3676B'     | <i>Aloe arborescens</i> | <i>Aloe ferox</i> x <i>arborescens</i> |
|--|-----------------|-------------------------|--|
| <input type="checkbox"/> Leaf: density of marginal teeth | medium          | not recorded            | medium                                 |
| <input type="checkbox"/> Leaf: size of marginal teeth    | large           | not recorded            | large                                  |
| <input type="checkbox"/> Leaf: shape of marginal teeth   | strongly hooked | not recorded            | not recorded                           |

**Prior Applications and Sales**

Nil

First sold in the South Africa in January 2006

Description: Mark Lunghusen, Cranbourne, VIC.

**Details of Application**

|                           |  |
|---------------------------|--|
| <b>Application Number</b> | 2010/218   |
| <b>Variety Name</b>       | 'Delightfully Double'                                    |
| <b>Genus Species</b>      | <i>Alyogyne huegelii</i> x <i>hakeifolia</i>             |
| <b>Common Name</b>        | Alyogyne   |
| <b>Synonym</b>            | Nil  |
| <b>Accepted Date</b>      | 17 Nov 2010  |
| <b>Applicant</b>          | Plant Growers Australia, Wonga Park, VIC                 |
| <b>Agent</b>              | Plants Management Australia Pty. Ltd., Dodges Ferry, TAS |
| <b>Qualified Person</b>   | Steve Eggleton   |

**Details of Comparative Trial**

|                            |   |
|----------------------------|---|
| <b>Location</b>            | Wonga Park, VIC   |
| <b>Descriptor</b>          | Hibiscus (DRAFT descriptor)   |
| <b>Period</b>              | Aug 2011 – Mar 2012   |
| <b>Conditions</b>          | Trial conducted in the open, plants propagated from cuttings and transferred from tubes to 140mm pots in Aug 2011. Pots filled with soilless, pinebark based mix with controlled release fertilizers. Appropriate pest and disease treatments were applied as required. |
| <b>Trial Design</b>        | Twelve pots of each variety in a completely randomised design.  |
| <b>Measurements</b>        | From ten plants randomly selected.  |
| <b>RHS Chart - edition</b> | 1995  |

**Origin and Breeding**

Controlled pollination: Pollination took place in Wonga Park, VIC Australia in Nov 2002. Maternal parent *Alyogyne huegelii* and paternal parent *Alyogyne hakeifolia*. This was part of an ongoing breeding program. From this cross the generation was sown in Mar 2003 and grown to flowering maturity in 140mm containers. In Mar 2004 one plant was selected for its flower type. This plant was then propagated via cuttings and several grown on as mature plants for assessment over the next 4 years. Selection criteria: Plant: vigour strong; Flower: type semi double, shape when fully expanded tubular. All generations have been found to be uniform and stable. Final selection for commercialisation occurred in 2008. Breeder: Plant Growers Australia, Wonga Park, VIC.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>            | <b>State of Expression in Group of Varieties</b> |
|-------------------------|---------------------------|--|
| Plant                   | growth habit              | upright  |
| Leaf blade              | variegation               | absent   |
| Leaf blade              | lobing                    | present  |
| Flower                  | shape when fully expanded | tubular  |
| Flower                  | eyezone                   | present  |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b>               | <b>Comments</b> |
|---------------------------|-----------------|
| <i>A. huegelii</i> 'Pink' |                 |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety             | Distinguishing Characteristics |                           | State of Expression in Candidate Variety | State of Expression in Comparator Variety |
|---------------------|--------------------------------|---------------------------|--|---|
| 'West Coast Gem'    | Flower                         | shape when fully expanded | tubular                                  | flattened                                 |
| <i>A. hakefolia</i> | Leaf blade                     | depth of lobing           | medium to strong                         | very strong                               |
| 'Montburg Purple'   | Leaf blade                     | depth of lobing           | medium to strong                         | strong to very strong                     |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context  | 'Delightfully Double' | <i>A. huegelii</i> 'Pink' |
|--|-----------------------|---------------------------|
| <input type="checkbox"/> *Plant: growth habit  | upright               | upright                   |
| <input type="checkbox"/> Plant: height   | medium                | medium to tall            |
| <input type="checkbox"/> Plant: density of branching   | sparse to medium      | sparse to medium          |
| <input type="checkbox"/> Branch: attitude  | moderately upwards    | moderately upwards        |
| <input type="checkbox"/> *Leaf blade: variegation  | absent                | absent                    |
| <input type="checkbox"/> Leaf blade: lobing  | present               | present                   |
| <input type="checkbox"/> Leaf blade: number of lobes (varieties with lobing only)                          | three to five         | three to five             |
| <input checked="" type="checkbox"/> *Leaf blade: depth of lobbing (varieties with lobing only)             | medium to strong      | weak to medium            |
| <input type="checkbox"/> Leaf blade: undulation of margin  | medium                | medium                    |
| <input type="checkbox"/> Leaf blade: type of incisions of margin   | serrate               | serrate                   |
| <input checked="" type="checkbox"/> *Flower: type  | semi-double           | single                    |
| <input type="checkbox"/> Flower: overlapping of petals (varieties with single and semidouble flowers only) | strong to very strong | strong to very strong     |
| <input type="checkbox"/> Flower: eye zone  | present               | present                   |
| <input checked="" type="checkbox"/> Eye zone: size (extensions excluded)                                   | very small            | small                     |
| <input type="checkbox"/> Eye zone: extensions into petal   | absent or weak        | absent or weak            |
| <input type="checkbox"/> Eye zone: number of colours   | one                   | one                       |
| <input type="checkbox"/> Eye zone: main colour (RHS colour chart)  | greyed-purple 187A    | greyed-purple 187A        |
| <input type="checkbox"/> Petal: serration  | absent or very weak   | absent or very weak       |
| <input checked="" type="checkbox"/> Petal: undulation of margin  | medium to strong      | weak                      |
| <input type="checkbox"/> Stigma pad: colour  | purple                | purple                    |

**Characteristics Additional to the Descriptor/TG**

| Organ/Plant Part: Context                                     | 'Delightfully Double' | <i>A. huegelii</i> 'Pink' |
|---|-----------------------|---------------------------|
| <input checked="" type="checkbox"/> Stem: degree of hairiness | low                   | medium                    |

|                                     |  |                              |                          |
|-------------------------------------|--|------------------------------|--------------------------|
| <input type="checkbox"/>            | Leaf blade: main colour (RHS colour chart)                               | yellow-green 146A            | yellow-green 146A        |
| <input type="checkbox"/>            | Flower: shape when fully expanded  | tubular                      | tubular                  |
| <input checked="" type="checkbox"/> | Flower: petaloids (petal-like structure bearing distorted anthers)       | present                      | absent                   |
| <input type="checkbox"/>            | Flower: size   | medium                       | medium to large          |
| <input checked="" type="checkbox"/> | Petal: main colour of inner side when fully expanded (RHS colour chart)  | red-purple 72B fading to 69D | purple 78D fading to 76C |
| <input checked="" type="checkbox"/> | Petal: main colour of outer side when fully expanded (RHS colour chart)  | red-purple 72B               | purple-violet 80B+C      |
| <input type="checkbox"/>            | Petal: main colour of outer side at flower senescence (RHS colour chart) | purple-violet 81C            | purple-violet 81C        |

### **Prior Applications and Sales**

Nil.

Description: **Steve Eggleton**, Wonga Park, VIC.

**Details of Application**

|                           |   |
|---------------------------|---|
| <b>Application Number</b> | 2008/074  |
| <b>Variety Name</b>       | 'ARIANE'  |
| <b>Genus Species</b>      | <i>Malus domestica</i>  |
| <b>Common Name</b>        | Apple   |
| <b>Synonym</b>            | Nil   |
| <b>Accepted Date</b>      | 10 Aug 2008   |
| <b>Applicant</b>          | INRA - Institut National de la Recherche Agronomique,<br>France |
| <b>Agent</b>              | Watermark Patent & Trade Mark Attorneys, Melbourne, VIC         |
| <b>Qualified Person</b>   | Graham Fleming  |

**Details of Comparative Trial**

|                                       |   |
|---------------------------------------|---|
| <b>Overseas testing authority</b>     | Community Plant Variety Office (CPVO)   |
| <b>Overseas Data Reference Number</b> | 2003/0273   |
| <b>Descriptor</b>                     | Apple (Malus) TG/14/9   |
| <b>Conditions</b>                     | Where possible the overseas data was verified under local growing conditions. |

**RHS Chart - Edition****Origin and Breeding**

Controlled Pollination: P7R25A27 x P21R4A30. The new and distinct apple cultivar 'Ariane' was developed as a controlled cross pollination of proprietary breeding stock from the I.N.R.A breeding program in Angers, France in 1979. After close observation the new cultivar 'Ariane' was selected based on its desirable fruiting characteristics including disease resistance and overall fruit quality. Both the parents are susceptible to scab and the pollen parent is also susceptible to powdery mildew. The candidate is resistant to both the diseases. Asexual propagation via grafting has shown stability through successive generation and producing no off-types. Breeder: I.N.R.A France

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>                  | <b>State of Expression in Group of Varieties</b> |
|-------------------------|---------------------------------|--|
| Fruit                   | colour of flesh                 | cream  |
| Fruit                   | ground colour                   | yellow   |
| Fruit                   | area of russet around eye basin | absent or small                                  |
| Fruit                   | size                            | medium   |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b> | <b>Comments</b> |
|-------------|-----------------|
| 'Florina'   |                 |
| 'CIVG198'   |                 |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| <b>Organ/Plant Part: Context</b>   | <b>‘ARIANE’</b>         | <b>‘CIVG198’</b>        | <b>‘Florina’</b> |
|--|-------------------------|-------------------------|------------------|
| <input type="checkbox"/> *Tree: type   | ramified                | ramified                | -                |
| <input type="checkbox"/> *Fruit: size  | medium                  | medium                  | -                |
| <input checked="" type="checkbox"/> *Fruit: ratio height/diameter                  | medium                  | large                   |                  |
| <input checked="" type="checkbox"/> *Fruit: general shape                          | globose                 | ellipsoid               | conic            |
| <input checked="" type="checkbox"/> Fruit: crowning at calyx end                   | absent or weak          | moderate                | -                |
| <input type="checkbox"/> *Fruit: size of eye                                       | medium                  | medium                  | -                |
| <input type="checkbox"/> Fruit: length of sepal                                    | medium                  | medium                  | -                |
| <input type="checkbox"/> Fruit: greasiness of skin                                 | absent or weak          | absent or weak          | -                |
| <input type="checkbox"/> *Fruit: ground colour                                     | yellow                  | yellow                  | -                |
| <input checked="" type="checkbox"/> *Fruit: relative area of over colour           | large                   | very large              | large            |
| <input type="checkbox"/> *Fruit: hue of over colour with bloom removed             | red                     | red                     | pink red         |
| <input checked="" type="checkbox"/> *Fruit: intensity of over colour               | medium                  | dark                    | -                |
| <input type="checkbox"/> *Fruit: pattern of over colour                            | only solid flush        | only solid flush        | -                |
| <input checked="" type="checkbox"/> *Fruit: area of russet around stalk attachment | medium                  | absent or small         | -                |
| <input type="checkbox"/> Fruit: area of russet on cheeks                           | absent or small         | absent or small         | -                |
| <input type="checkbox"/> *Fruit: area of russet around eye basin                   | absent or small         | absent or small         | -                |
| <input checked="" type="checkbox"/> Fruit: size of lenticels                       | large                   | small                   | -                |
| <input type="checkbox"/> *Fruit: length of stalk                                   | medium                  | -                       | -                |
| <input checked="" type="checkbox"/> *Fruit: thickness of stalk                     | medium                  | -                       | thin             |
| <input type="checkbox"/> *Fruit: depth of stalk cavity                             | deep                    | -                       | -                |
| <input type="checkbox"/> *Fruit: width of stalk cavity                             | medium                  | -                       | -                |
| <input type="checkbox"/> *Fruit: depth of eye basin                                | deep                    | -                       | -                |
| <input type="checkbox"/> *Fruit: width of eye basin                                | medium                  |                         | -                |
| <input checked="" type="checkbox"/> *Fruit: firmness of flesh                      | firm                    | very firm               | -                |
| <input type="checkbox"/> *Fruit: colour of flesh                                   | cream                   | cream                   | -                |
| <input type="checkbox"/> *Fruit: aperture of locules                               | closed or slightly open | closed or slightly open | -                |
| <input checked="" type="checkbox"/> *Time of: beginning of flowering               | early                   | medium                  | -                |
| <input type="checkbox"/> Time of: eating maturity                                  | medium                  | medium                  | -                |

**Prior Applications and Sales**

| <b>Country</b> | <b>Year</b> | <b>Current Status</b> | <b>Name Applied</b> |
|----------------|-------------|-----------------------|---------------------|
| EU             | 2003        | Granted               | 'Ariane'            |
| FR             | 2000        | Granted               | 'Ariane'            |
| CA             | 2007        | Pending               | 'Ariane'            |
| BR             | 2008        | Granted               | 'Ariane'            |
| CH             | 2006        | Granted               | 'Ariane'            |
| NZ             | 2003        | Granted               | 'Ariane'            |
| TR             | 2010        | Granted               | 'Ariane'            |
| RU             | 2008        | Granted               | 'Ariane'            |

First sold France in March 2002.

Description: **Lisa Corcoran**, Hoddles Creek, VIC.

**Details of Application**

|                           |   |
|---------------------------|---|
| <b>Application Number</b> | 2011/139  |
| <b>Variety Name</b>       | 'VT Admiral'  |
| <b>Genus Species</b>      | <i>Hordeum vulgare</i>  |
| <b>Common Name</b>        | Barley  |
| <b>Synonym</b>            | Nil   |
| <b>Accepted Date</b>      | 23 Sep 2011   |
| <b>Applicant</b>          | Adelaide Research & Innovation Pty Ltd, Adelaide, SA.<br>Grains Research & Development Corporation, Barton ACT. |
| <b>Agent</b>              | Adelaide Research & Innovation Pty Ltd, Adelaide, SA.   |
| <b>Qualified Person</b>   | Amanda Box  |

**Details of Comparative Trial**

|                            |   |
|----------------------------|---|
| <b>Location</b>            | Charlick Experimental Research Station, Strathalbyn, South Australia  |
| <b>Descriptor</b>          | Barley ( <i>Hordeum vulgare</i> ) TG/19/10  |
| <b>Period</b>              | 12th July 2011 to 8th December 2011   |
| <b>Conditions</b>          | The seeding rate was 60kg/ha, corresponding to approximately 150 seeds per square metre. Each replicate contained approximately 600 plants. |
| <b>Trial Design</b>        | Three replicates of each genotype were sown on 12th July 2011 in plots of 6 rows x 3.2 metres.  |
| <b>Measurements</b>        | Fifteen randomly selected plants were assessed individually for each trait.   |
| <b>RHS Chart - edition</b> | N/A   |

**Origin and Breeding**

Controlled pollination: 'VT Admiral' was developed using a complex controlled pollination strategy. In September 2000 a cross was made between the breeders line WI3401 (SH302/Keel/Chieftain) and Torrent. The F<sub>1</sub> was used in 2001 as the female parent in a cross with the breeders line BX98A;080-375 (Dhow/Keel//Fitzgerald) and the subsequent generation used to produce a population of 258 doubled haploid plants. All were evaluated over summer 2002/03 and 137 were selected for yield trials in 2003. 21 lines were selected agronomic and yield evaluation at 11 locations and BX01S; 049D-77 was selected for subsequent advanced testing. The line was renamed WI4259 and its commercial potential examined compared to control varieties in replicated yield trials at up to 24 locations, pathology nurseries and malting quality evaluation. 100 single plants were selected and grown as single rows to produce foundation pure seed. No off types were observed and all rows were bulked. Breeders: Jason Eglinton, Andrew Barr, Stewart Coventry and Amanda Box, University of Adelaide.

**Choice of Comparators - Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge**

| <b>Organ/Plant Part</b> | <b>Context</b>                      | <b>State of Expression in Group of Varieties</b> |
|-------------------------|-------------------------------------|--|
| Lowest leaves           | Hairiness of leaf sheaths           | absent   |
| Flag leaf               | anthocyanin colouration of auricles | present  |
| Grain                   | husk                                | present  |



**Most Similar Varieties of Common Knowledge identified (VCK)**

| Name       | Comments |
|------------|----------|
| 'Dhow'     |          |
| 'Fairview' |          |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context  | 'VT Admiral'                 | 'Dhow'                       | 'Fairview'         |
|--|------------------------------|------------------------------|--------------------|
| <input checked="" type="checkbox"/> *Plant: growth habit   | prostrate                    | semi-prostrate               | semi-erect         |
| <input type="checkbox"/> *Lowest leaves: hairiness of leaf sheaths                                 | absent                       | absent                       | absent             |
| <input type="checkbox"/> *Flag leaf: anthocyanin colouration of auricles                           | present                      | present                      | present            |
| <input type="checkbox"/> *Flag leaf: intensity of anthocyanin colouration of auricles              | medium                       | weak                         | weak to medium     |
| <input checked="" type="checkbox"/> Plant: frequency of plants with recurved flag leaves           | absent or very low           | medium to high               | absent or very low |
| <input type="checkbox"/> Flag leaf: glaucosity of sheath   | medium                       | medium to strong             | weak to medium     |
| <input type="checkbox"/> *Time of: ear emergence   | late to very late            | medium to late               | very late          |
| <input checked="" type="checkbox"/> *Awns: anthocyanin colouration of tips                         | present                      | absent                       | present            |
| <input checked="" type="checkbox"/> *Awns: intensity of anthocyanin colouration of tips            | very weak to weak            |                              | medium             |
| <input checked="" type="checkbox"/> *Ear: glaucosity   | medium                       | very weak to weak            | weak               |
| <input type="checkbox"/> Ear: attitude   | erect                        | erect                        | semi-erect         |
| <input checked="" type="checkbox"/> *Plant: length   | very short to short          | short to medium              | medium             |
| <input type="checkbox"/> *Ear: number of rows  | two                          | two                          | two                |
| <input checked="" type="checkbox"/> Ear: shape   | parallel                     | parallel                     | tapering           |
| <input checked="" type="checkbox"/> *Ear: density  | medium                       | lax to medium                | lax                |
| <input checked="" type="checkbox"/> Ear: length  | medium                       | short to medium              | long               |
| <input type="checkbox"/> *Awn: length  | long                         | long                         | medium             |
| <input checked="" type="checkbox"/> Rachis: length of first segment                                | medium                       | short                        | medium             |
| <input type="checkbox"/> Rachis: curvature of first segment  | weak                         | absent or very weak          | weak               |
| <input checked="" type="checkbox"/> *Sterile spikelet: attitude                                    | parallel to weakly divergent | parallel to weakly divergent | divergent          |
| <input checked="" type="checkbox"/> Median spikelet: length of glume and its awn relative to grain | shorter                      | equal                        | equal              |

|                                     |  |                     |                     |                     |
|-------------------------------------|--|---------------------|---------------------|---------------------|
| <input checked="" type="checkbox"/> | *Grain: rachilla hair type   | short               | long                | long                |
| <input type="checkbox"/>            | *Grain: husk   | present             | present             | present             |
| <input type="checkbox"/>            | Grain: anthocyanin colouration of nerves of lemma                  | absent or very weak | absent or very weak | absent or very weak |
| <input checked="" type="checkbox"/> | Grain: spiculation of inner lateral nerves of dorsal side of lemma | weak to medium      | weak to medium      | very strong         |
| <input checked="" type="checkbox"/> | *Grain: hairiness of ventral furrow                                | present             | absent              | absent              |
| <input type="checkbox"/>            | Grain: disposition of lodicules                                    | clasping            | clasping            | clasping            |
| <input type="checkbox"/>            | Kernel: colour of aleurone layer                                   | whitish             | whitish             | whitish             |
| <input type="checkbox"/>            | *Season: type  | spring type         | spring type         | spring type         |

### **Statistical Table**

| <b>Organ/Plant Part: Context</b>                          | <b>‘VT Admiral’</b> | <b>‘Dhow’</b> | <b>‘Fairview’</b> |
|---|---------------------|---------------|-------------------|
| <input checked="" type="checkbox"/> Plant: length (cm)    |                     |               |                   |
| Mean  | 70.28               | 77.32         | 87.27             |
| Std. Deviation  | 2.98                | 2.50          | 3.19              |
| Lsd/sig   | 3.91                | P≤0.01        | P≤0.01            |
| <input checked="" type="checkbox"/> Ear: length (cm)      |                     |               |                   |
| Mean  | 6.10                | 7.38          | 9.10              |
| Std. Deviation  | 0.52                | 0.45          | 0.54              |
| Lsd/sig   | 0.69                | P≤0.01        | P≤0.01            |
| <input checked="" type="checkbox"/> Ear: number of grains |                     |               |                   |
| Mean  | 21.89               | 22.33         | 30.89             |
| Std. Deviation  | 1.62                | 1.50          | 1.76              |
| Lsd/sig   | 1.67                | ns            | P≤0.01            |
| <input type="checkbox"/> Awns: length (cm)                |                     |               |                   |
| Mean  | 10.50               | 9.63          | 9.20              |
| Std. Deviation  | 0.30                | 1.51          | 0.70              |
| Lsd/sig   | 1.42                | ns            | ns                |

### **Prior Applications and Sales**

Nil

Description: **Amanda Box**, University of Adelaide, SA

**Details of Application**

|                           |                                      |
|---------------------------|--------------------------------------|
| <b>Application Number</b> | 2011/056                             |
| <b>Variety Name</b>       | 'SY Rattler'                         |
| <b>Genus Species</b>      | <i>Hordeum vulgare</i>               |
| <b>Common Name</b>        | Barley                               |
| <b>Synonym</b>            | Nil                                  |
| <b>Accepted Date</b>      | 05 Oct 2011                          |
| <b>Applicant</b>          | Syngenta Seeds Ltd, Lincolnshire, UK |
| <b>Agent</b>              | GrainSearch Pty Ltd, Ballarat, VIC   |
| <b>Qualified Person</b>   | Clinton Rogers                       |

**Details of Comparative Trial**

|                     |  |
|---------------------|--|
| <b>Location</b>     | Inverleigh, VIC  |
| <b>Descriptor</b>   | Barley ( <i>Hordeum vulgare</i> ) TG/19/10   |
| <b>Period</b>       | 26 May 2011 – 5 Dec 2011   |
| <b>Conditions</b>   | Trial was planted on the 26th May 2011 and conducted on sandy loam soil, pH 5.5 in water.                            |
| <b>Trial Design</b> | Plants were arranged in a complete randomised block design, plots were 10m x 1.45m by four replicates per treatment. |
| <b>Measurements</b> | Taken from 5 specimens per replicate and selected randomly from approximate 170 plants/m <sup>2</sup> .              |

**RHS Chart - edition****Origin and Breeding**

Controlled pollination: 498-50 \ 498-46 \\ COLSTON which was a complex cross from an F1 between 2 elite European lines (498-50 & 498-46) which was in turn crossed with European line Colston. Original cross was made in 1999. Selections were made from the F2 generation in NZ during 1999/2000. A shuttle breeding program was carried out from F2 to F10 in UK, New Zealand and Australia between 2000-2010. 'SY Rattler' differed from its parent in growth habit. Breeder: Syngenta Seeds Limited, Surry UK.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>              | <b>State of Expression in Group of Varieties</b> |
|-------------------------|-----------------------------|--|
| Lowest leaves           | hairiness of leaf sheaths   | absent   |
| Ear                     | number of rows              | two  |
| Flag leaf               | glaucosity of sheath        | strong   |
| Rachis                  | curvature of first segment  | weak   |
| Grain                   | husk                        | present  |
| Grain                   | hairiness of ventral furrow | absent   |
| Season                  | type                        | spring   |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b> | <b>Comments</b> |
|-------------|-----------------|
| 'QuickStar' |                 |
| 'Hindmarsh' |                 |
| 'Commander' |                 |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety              | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments |
|----------------------|--------------------------------|--|---|----------|
| 'Gairdner' Plant     | growth habit                   | erect                                    | prostrate                                 |          |
| 'Gairdner' Flag leaf | glaucosity of sheath           | strong                                   | medium                                    |          |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context  | 'SY Rattler'       | 'Commander'           | 'Hindmarsh'         | 'QuickStar'        |
|--|--------------------|-----------------------|---------------------|--------------------|
| <input checked="" type="checkbox"/> *Plant: growth habit   | erect              | erect                 | erect               | semi-erect         |
| <input type="checkbox"/> *Lowest leaves: hairiness of leaf sheaths                               | absent             | absent                | absent              | absent             |
| <input checked="" type="checkbox"/> *Flag leaf: anthocyanin colouration of auricles              | present            | absent                | present             | present            |
| <input checked="" type="checkbox"/> *Flag leaf: intensity of anthocyanin colouration of auricles | weak               | very weak             | medium              | medium             |
| <input type="checkbox"/> Plant: frequency of plants with recurved flag leaves                    | absent or very low | absent or very low    | absent or very low  | absent or very low |
| <input type="checkbox"/> Flag leaf: glaucosity of sheath   | strong             | strong                | strong              | strong             |
| <input checked="" type="checkbox"/> *Time of: ear emergence                                      | medium             | medium                | very early to early | medium to late     |
| <input checked="" type="checkbox"/> *Awns: anthocyanin colouration of tips                       | present            | absent                | present             | present            |
| <input checked="" type="checkbox"/> *Awns: intensity of anthocyanin colouration of tips          | medium             | very weak             | medium              | weak               |
| <input type="checkbox"/> *Ear: glaucosity  | medium             | medium                | not recorded        | medium             |
| <input checked="" type="checkbox"/> Ear: attitude  | semi-erect         | erect                 | semi-recurved       | semi-erect         |
| <input checked="" type="checkbox"/> *Plant: length   | medium             | long                  | short               | medium to long     |
| <input type="checkbox"/> *Ear: number of rows  | two                | two                   | two                 | two                |
| <input checked="" type="checkbox"/> Ear: shape   | tapering           | tapering              | parallel            | parallel           |
| <input checked="" type="checkbox"/> *Ear: density  | dense              | dense                 | lax to medium       | dense              |
| <input checked="" type="checkbox"/> Ear: length  | medium to long     | short to medium       | medium              | long               |
| <input checked="" type="checkbox"/> *Awn: length   | medium             | long                  | medium              | short              |
| <input type="checkbox"/> Rachis: length of first segment   | medium             | medium                | short to medium     | medium             |
| <input type="checkbox"/> Rachis: curvature of first segment                                      | weak               | weak                  | weak                | weak               |
| <input type="checkbox"/> *Sterile spikelet: attitude   | parallel to weakly | parallel to divergent | parallel to weakly  | parallel to weakly |

|  |             |                     |                     |                     |
|--|-------------|---------------------|---------------------|---------------------|
|  | divergent   |                     | divergent           | divergent           |
| <input type="checkbox"/> Median spikelet: length of glume and its awn relative to grain                | equal       | equal               | shorter             | equal               |
| <input type="checkbox"/> *Grain: rachilla hair type  | long        | short               | short               | long                |
| <input type="checkbox"/> *Grain: husk  | present     | present             | present             | present             |
| <input checked="" type="checkbox"/> Grain: anthocyanin colouration of nerves of lemma                  | weak        | absent or very weak | absent or very weak | absent or very weak |
| <input checked="" type="checkbox"/> Grain: spiculation of inner lateral nerves of dorsal side of lemma | strong      | absent or very weak | absent or very weak | not recorded        |
| <input type="checkbox"/> *Grain: hairiness of ventral furrow   | absent      | absent              | absent              | absent              |
| <input type="checkbox"/> Grain: disposition of lodicules   | clasping    | frontal             | frontal             | clasping            |
| <input type="checkbox"/> Kernel: colour of aleurone layer  | whitish     | whitish             | whitish             | whitish             |
| <input type="checkbox"/> *Season: type   | spring type | spring type         | spring type         | spring type         |

### **Statistical Table**

| <b>Organ/Plant Part: Context</b>                     | <b>'SY Rattler'</b> | <b>'Commander'</b> | <b>'Hindmarsh'</b> | <b>'QuickStar'</b> |
|--|---------------------|--------------------|--------------------|--------------------|
| <input checked="" type="checkbox"/> Ear: length (cm) |                     |                    |                    |                    |
| Mean   | 79.75               | 52.12              | 64.03              | 84.24              |
| Std. Deviation                                       | 1.92                | 2.34               | 1.60               | 1.36               |
| LSD/sig  | 1.83                | P≤0.01             | P≤0.01             | P≤0.01             |
| <input checked="" type="checkbox"/> Awn: length (cm) |                     |                    |                    |                    |
| Mean   | 47.22               | 100.65             | 56.09              | 40.87              |
| Std. Deviation                                       | 1.80                | 5.40               | 1.03               | 3.00               |
| LSD/sig  | 3.31                | P≤0.01             | P≤0.01             | P≤0.01             |

### **Prior Applications and Sales**

Nil.

Description: **Clinton Rogers**, Ballarat, VIC.

**Details of Application**

|                           |  |
|---------------------------|--|
| <b>Application Number</b> | 2011/140   |
| <b>Variety Name</b>       | 'Navigator'  |
| <b>Genus Species</b>      | <i>Hordeum vulgare</i>   |
| <b>Common Name</b>        | Barley   |
| <b>Synonym</b>            | Nil  |
| <b>Accepted Date</b>      | 23 Sep 2011  |
| <b>Applicant</b>          | Adelaide Research & Innovation Pty Ltd, Adelaide, SA and Grains Research & Development Corporation, Barton, ACT. |
| <b>Agent</b>              | Adelaide Research & Innovation Pty Ltd, Adelaide, SA.  |
| <b>Qualified Person</b>   | Amanda Box   |

**Details of Comparative Trial**

|                            |   |
|----------------------------|---|
| <b>Location</b>            | Charlick Experimental Research Station, Strathalbyn, South Australia  |
| <b>Descriptor</b>          | Barley ( <i>Hordeum vulgare</i> ) TG/19/10  |
| <b>Period</b>              | 12th July 2011 to 8th December 2011   |
| <b>Conditions</b>          | The seeding rate was 60kg/ha, corresponding to approximately 150 seeds per square metre. Each replicate contained approximately 600 plants. |
| <b>Trial Design</b>        | Three replicates of each genotype were sown on 12th July 2011 in plots of 6 rows x 3.2 metres.  |
| <b>Measurements</b>        | Fifteen randomly selected plants were assessed individually for each trait.   |
| <b>RHS Chart - edition</b> | N/A   |

**Origin and Breeding**

Controlled pollination: 'Navigator' was developed using a controlled pollination strategy between breeders lines WI3788 (Chieftain/VB9624/4/Keel/3/Sahara/WI2723//Chebec) and WI3847 (Dhow/Keel//Fitzgerald). Ten F<sub>1</sub> plants were used to produce a population of 261 doubled haploid plants. All were evaluated as single rows over summer 2002/03 and marker assisted selection for boron tolerance and malt quality were used with field observations to select 134 lines for yield trials in 2003. Thirty five lines were selected for agronomic and yield evaluation at 11 locations and the subsequent year 11 lines were retained for replicated yield trials at 12 locations. Six lines were selected for advanced agronomic, yield and quality testing in 2006. The line BX01S;194DM-125 was selected for subsequent advanced testing. The line was renamed WI4262 and its commercial potential examined compared to control varieties in replicated yield trials at up to 24 locations, pathology nurseries and malting quality evaluation. 100 single plants were selected and grown as single rows to produce foundation pure seed. No off types were observed and all rows were bulked and multiplied at Horsham 2009/10 Breeder: Jason Eglinton, Andrew Barr, Stewart Coventry and Amanda Box, University of Adelaide.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>                      | <b>State of Expression in Group of Varieties</b> |
|-------------------------|-------------------------------------|--|
| Lowest leaves           | hairiness of leaf sheaths           | absent   |
| Flag leaf               | anthocyanin colouration of auricles | present  |
| Ear                     | number of rows                      | two  |
| Grain                   | husk                                | present  |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b> | <b>Comments</b> |
|-------------|-----------------|
|-------------|-----------------|

‘Capstan’

‘Dhow’

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety      | Distinguishing Characteristics                              | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments |
|--------------|---|--|---|----------|
| ‘VT Admiral’ | Flag leaf: intensity of anthocyanin colouration of auricles | very weak to weak                        | medium                                    |          |
| ‘VT Admiral’ | Awns: anthocyanin colouration of tips                       | absent                                   | present                                   |          |
| ‘VT Admiral’ | Ear: glaucosity   | absent to very weak                      | medium                                    |          |
| ‘VT Admiral’ | Grain: rachilla hair type                                   | long                                     | short                                     |          |
| ‘VT Admiral’ | Grain: hairiness of ventral furrow                          | absent                                   | present                                   |          |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context  | ‘Navigator’         | ‘Capstan’           | ‘Dhow’            |
|--|---------------------|---------------------|-------------------|
| <input checked="" type="checkbox"/> *Plant: growth habit                                 | semi-prostrate      | prostrate           | semi-prostrate    |
| <input type="checkbox"/> *Lowest leaves: hairiness of leaf sheaths                       | absent              | absent              | absent            |
| <input type="checkbox"/> *Flag leaf: anthocyanin colouration of auricles                 | present             | present             | present           |
| <input type="checkbox"/> *Flag leaf: intensity of anthocyanin colouration of auricles    | very weak to weak   | weak                | weak              |
| <input checked="" type="checkbox"/> Plant: frequency of plants with recurved flag leaves | absent or very low  | low                 | medium to high    |
| Flag leaf: glaucosity of sheath  | weak to medium      | medium              | medium to strong  |
| <input type="checkbox"/> *Time of: ear emergence   | late                | medium to late      | medium to late    |
| <input checked="" type="checkbox"/> *Awns: anthocyanin colouration of tips               | absent              | present             | present           |
| <input type="checkbox"/> *Ear: glaucosity  | absent or very weak | absent or very weak | very weak to weak |
| <input type="checkbox"/> Ear: attitude   | erect to semi-erect | semi-erect          | erect             |
| <input checked="" type="checkbox"/> *Plant: length                                       | short               | very short to short | short to medium   |
| <input type="checkbox"/> *Ear: number of rows  | two                 | two                 | two               |
| <input checked="" type="checkbox"/> Ear: shape   | parallel            | tapering            | parallel          |

|                                     |  |                              |                     |                              |
|-------------------------------------|--|------------------------------|---------------------|------------------------------|
| <input type="checkbox"/>            | *Ear: density  | lax to medium                | medium              | lax to medium                |
| <input type="checkbox"/>            | Ear: length  | medium                       | medium              | short to medium              |
| <input type="checkbox"/>            | *Awn: length   | medium to long               | medium to long      | long                         |
| <input checked="" type="checkbox"/> | Rachis: length of first segment                                    | long                         | medium              | short                        |
| <input type="checkbox"/>            | Rachis: curvature of first segment                                 | absent or very weak          | absent or very weak | absent or very weak          |
| <input checked="" type="checkbox"/> | *Sterile spikelet: attitude  | parallel to weakly divergent | divergent           | parallel to weakly divergent |
| <input checked="" type="checkbox"/> | Median spikelet: length of glume and its awn relative to grain     | shorter                      | shorter             | equal                        |
| <input checked="" type="checkbox"/> | *Grain: rachilla hair type   | long                         | short               | long                         |
| <input type="checkbox"/>            | *Grain: husk   | present                      | present             | present                      |
| <input type="checkbox"/>            | Grain: anthocyanin colouration of nerves of lemma                  | absent or very weak          | absent or very weak | absent or very weak          |
| <input type="checkbox"/>            | Grain: spiculation of inner lateral nerves of dorsal side of lemma | medium                       | medium to strong    | weak to medium               |
| <input checked="" type="checkbox"/> | *Grain: hairiness of ventral furrow                                | absent                       | present             | absent                       |
| <input type="checkbox"/>            | Grain: disposition of lodicules                                    | clasping                     | clasping            | clasping                     |
| <input type="checkbox"/>            | Kernel: colour of aleurone layer                                   | whitish                      | whitish             | whitish                      |
| <input type="checkbox"/>            | *Season: type  | spring type                  | spring type         | spring type                  |

### **Characteristics Additional to the Descriptor/TG**

| <b>Organ/Plant Part: Context</b>                                  | <b>‘Navigator’</b> | <b>‘Capstan’</b> | <b>‘Dhow’</b> |
|---|--------------------|------------------|---------------|
| <input checked="" type="checkbox"/> Tolerance to: high soil boron | high               | low              | not available |
| <input checked="" type="checkbox"/> Grain: Lemma base shape       | depressed          | creased          | creased       |

### **Statistical Table**

| <b>Organ/Plant Part: Context</b>                       | <b>‘Navigator’</b> | <b>‘Capstan’</b> | <b>‘Dhow’</b> |
|--|--------------------|------------------|---------------|
| <input checked="" type="checkbox"/> Plant: length (cm) |                    |                  |               |
| Mean   | 71.70              | 68.11            | 77.93         |
| Std. Deviation   | 1.91               | 3.17             | 3.74          |
| Lsd/sig  | 3.91               | ns               | P≤0.01        |
| <input type="checkbox"/> Ear: length (cm)              |                    |                  |               |
| Mean   | 7.18               | 7.60             | 7.40          |



|   |       |        |       |
|---|-------|--------|-------|
| Std. Deviation  | 0.39  | 0.58   | 0.48  |
| Lsd/sig   | 0.59  | ns     | ns    |
| <input checked="" type="checkbox"/> Ear: number of grains |       |        |       |
| Mean  | 22.78 | 25.11  | 22.44 |
| Std. Deviation  | 0.97  | 2.32   | 1.67  |
| Lsd/sig   | 2.03  | P≤0.01 | ns    |
| <input type="checkbox"/> Awns: length (cm)                |       |        |       |
| Mean  | 9.58  | 9.77   | 10.00 |
| Std. Deviation  | 0.53  | 0.45   | 0.67  |
| Lsd/sig   | 0.84  | ns     | ns    |

**Prior Applications and Sales**

Nil

Description: **Amanda Box**, University of Adelaide, SA

**Details of Application**

|                           |  |
|---------------------------|--|
| <b>Application Number</b> | 2011/142   |
| <b>Variety Name</b>       | 'Skipper Australia'  |
| <b>Genus Species</b>      | <i>Hordeum vulgare</i>   |
| <b>Common Name</b>        | Barley   |
| <b>Synonym</b>            | Nil  |
| <b>Accepted Date</b>      | 23 Sep 2011  |
| <b>Applicant</b>          | Adelaide Research & Innovation Pty Ltd, Adelaide, SA and<br>Grains Research & Development Corporation, Barton, ACT |
| <b>Agent</b>              | Adelaide Research & Innovation Pty Ltd, Adelaide SA  |
| <b>Qualified Person</b>   | Amanda Box   |

**Details of Comparative Trial**

|                            |   |
|----------------------------|---|
| <b>Location</b>            | Charlick Experimental Research Station, Strathalbyn, South Australia  |
| <b>Descriptor</b>          | Barley ( <i>Hordeum vulgare</i> ) TG/19/10  |
| <b>Period</b>              | 12th July 2011 to 8th December 2011   |
| <b>Conditions</b>          | The seeding rate was 60kg/ha, corresponding to approximately 150 seeds per square metre. Each replicate contained approximately 600 plants. |
| <b>Trial Design</b>        | Two replicates of each genotype were sown on 12th July 2011 in plots 6 rows x 3.2 metres.   |
| <b>Measurements</b>        | Fifteen randomly selected plants were assessed individually for each trait.   |
| <b>RHS Chart - edition</b> | N/A   |

**Origin and Breeding**

Controlled pollination: The F<sub>1</sub> from a cross between Buloke and Commander was used as the female parent in a controlled pollination with the breeders line WI3786 (Chieftain/VB9623//Manley/VB9104). Eight individuals were used as doubled haploid donors and the population was screened with molecular markers to select for Cereal cyst nematode resistance. Fifty eight selected lines were evaluated over summer 2004/05 and 28 of these promoted to yield trials at 2 locations in 2005. Fourteen lines were tested in yield trials across 9 locations in 2006 and the 7 best performed lines were included replicated yield trials at 19 locations in 2007. The lines then were evaluated for commercial potential compared to control varieties in replicated yield trials at up to 24 locations, pathology nurseries and malting quality evaluation. WI4446 was selected for commercialisation and promoted to National Variety Trials in 2009. 100 single plants were selected and grown as single rows to produce foundation pure seed. No off types were observed and all rows were bulked. Breeder: Jason Eglinton, Stewart Coventry and Amanda Box, University of Adelaide.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>            | <b>State of Expression in Group of Varieties</b> |
|-------------------------|---------------------------|--|
| Plant                   | growth habit              | erect  |
| Lowest leaves           | hairiness of leaf sheaths | absent   |
| Ear                     | number of rows            | two  |
| Grain                   | husk                      | present  |
| Grain                   | hairiness of ventral      | absent   |

Season furrow type spring type

**Most Similar Varieties of Common Knowledge identified (VCK)**

| Name        | Comments |
|-------------|----------|
| 'Commander' |          |
| 'Flagship'  |          |
| 'SloopSA'   |          |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety      | Distinguishing Characteristics        | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments |
|--------------|---------------------------------------|--|---|----------|
| 'VT Admiral' | Plant: growth habit                   | erect                                    | prostrate                                 |          |
| 'Navigator'  | Plant: growth habit                   | erect                                    | semi-erect                                |          |
| 'VT Admiral' | Time of ear emergence                 | very early to early                      | late to very late                         |          |
| 'Navigator'  | Time of ear emergence                 | very early to early                      | late                                      |          |
| 'Navigator'  | Awns: anthocyanin colouration of tips | present                                  | absent                                    |          |
| 'Navigator'  | Ear: glaucosity                       | medium                                   | absent or very weak                       |          |
| 'Fathom'     | Ear: glaucosity                       | medium                                   | very weak to weak                         |          |
| 'VT Admiral' | Plant: length                         | long                                     | very short to short                       |          |
| 'Navigator'  | Plant: length                         | long                                     | short                                     |          |
| 'VT Admiral' | Awn: length                           | medium                                   | long                                      |          |
| 'Fathom'     | Awn: length                           | medium                                   | long                                      |          |
| 'VT Admiral' | Sterile spikelet: attitude            | divergent                                | parallel to weakly divergent              |          |
| 'Navigator'  | Sterile spikelet: attitude            | divergent                                | parallel to weakly divergent              |          |
| 'VT Admiral' | Grain: rachilla hair type             | long                                     | short                                     |          |
| 'VT Admiral' | Grain: hairiness of ventral furrow    | absent                                   | present                                   |          |
| 'Fathom'     | Grain: hairiness of ventral furrow    | absent                                   | present                                   |          |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context  | 'Skipper Australia' | 'Commander'        | 'Flagship'     | 'SloopSA'          |
|--|---------------------|--------------------|----------------|--------------------|
| <input type="checkbox"/> *Plant: growth habit  | erect               | erect              | erect          | erect              |
| <input type="checkbox"/> *Lowest leaves: hairiness of leaf sheaths                               | absent              | absent             | absent         | absent             |
| <input checked="" type="checkbox"/> *Flag leaf: anthocyanin colouration of auricles              | present             | absent             | present        | absent             |
| <input checked="" type="checkbox"/> *Flag leaf: intensity of anthocyanin colouration of auricles | medium              |                    | strong         |                    |
| <input checked="" type="checkbox"/> Plant: frequency of plants with recurved flag leaves         | medium to high      | absent or very low | low to medium  | absent or very low |
| <input type="checkbox"/> Flag leaf: glaucosity of  | medium to strong    | strong             | weak to medium | medium             |

|                                     |  |                     |                              |                     |                              |
|-------------------------------------|--|---------------------|------------------------------|---------------------|------------------------------|
| sheath                              |  |                     |                              |                     |                              |
| <input checked="" type="checkbox"/> | *Time of: ear emergence  | very early to early | medium                       | medium              | medium                       |
| <input checked="" type="checkbox"/> | *Awns: anthocyanin colouration of tips                             | present             | absent                       | present             | present                      |
| <input checked="" type="checkbox"/> | *Awns: intensity of anthocyanin colouration of tips                | weak to medium      |                              | medium to strong    | very weak                    |
| <input checked="" type="checkbox"/> | *Ear: glaucosity   | medium              | medium                       | weak to medium      | weak                         |
| <input checked="" type="checkbox"/> | Ear: attitude  | semi-erect          | erect                        | erect to semi-erect | semi-recurved to recurved    |
| <input checked="" type="checkbox"/> | *Plant: length   | long                | medium                       | medium to long      | long                         |
| <input type="checkbox"/>            | *Ear: number of rows   | two                 | two                          | two                 | two                          |
| <input checked="" type="checkbox"/> | Ear: shape   | parallel            | tapering                     | tapering            | parallel                     |
| <input type="checkbox"/>            | *Ear: density  | medium              | medium to dense              | medium              | medium                       |
| <input checked="" type="checkbox"/> | Ear: length  | short to medium     | short to medium              | medium              | medium                       |
| <input checked="" type="checkbox"/> | *Awn: length   | medium              | long                         | short               | long                         |
| <input type="checkbox"/>            | Rachis: length of first segment                                    | medium              | medium                       | medium              | medium                       |
| <input checked="" type="checkbox"/> | Rachis: curvature of first segment                                 | weak                | weak                         | medium              | weak                         |
| <input checked="" type="checkbox"/> | *Sterile spikelet: attitude  | divergent           | parallel to weakly divergent | divergent           | parallel to weakly divergent |
| <input checked="" type="checkbox"/> | Median spikelet: length of glume and its awn relative to grain     | shorter             | equal                        | shorter             | shorter                      |
| <input checked="" type="checkbox"/> | *Grain: rachilla hair type   | long                | short                        | short               | short                        |
| <input type="checkbox"/>            | *Grain: husk   | present             | present                      | present             | present                      |
| <input type="checkbox"/>            | Grain: anthocyanin colouration of nerves of lemma                  | absent or very weak | absent or very weak          | weak                | weak                         |
| <input checked="" type="checkbox"/> | Grain: spiculation of inner lateral nerves of dorsal side of lemma | very strong         | absent or very weak          | medium to strong    | medium to strong             |
| <input type="checkbox"/>            | *Grain: hairiness of ventral furrow                                | absent              | absent                       | absent              | absent                       |
| <input type="checkbox"/>            | Grain: disposition of lodicules                                    | clasping            | clasping                     | clasping            | clasping                     |
| <input type="checkbox"/>            | Kernel: colour of aleurone layer                                   | whitish             | whitish                      | whitish             | whitish                      |

\*Season: type                      spring type      spring type      spring type      spring type

### **Characteristics Additional to the Descriptor/TG**

| <b>Organ/Plant Part: Context</b>                           | <b>‘Skipper Australia’</b> | <b>‘Commander’</b> | <b>‘Flagship’</b> | <b>‘SloopSA’</b> |
|--|----------------------------|--------------------|-------------------|------------------|
| <input checked="" type="checkbox"/> Grain: rachilla length | long                       | short              | long              | short            |

### **Statistical Table**

| <b>Organ/Plant Part: Context</b>                          | <b>‘Skipper Australia’</b> | <b>‘Commander’</b> | <b>‘Flagship’</b> | <b>‘SloopSA’</b> |
|---|----------------------------|--------------------|-------------------|------------------|
| <input checked="" type="checkbox"/> Plant: length (cm)    |                            |                    |                   |                  |
| Mean  | 83.43                      | 81.86              | 85.66             | 97.17            |
| Std. Deviation  | 1.75                       | 1.25               | 2.60              | 3.29             |
| Lsd/sig   | 3.38                       | ns                 | ns                | P≤0.01           |
| <input checked="" type="checkbox"/> Ear: length (cm)      |                            |                    |                   |                  |
| Mean  | 6.43                       | 6.50               | 7.24              | 7.59             |
| Std. Deviation  | 0.27                       | 0.38               | 0.57              | 0.31             |
| Lsd/sig   | 0.65                       | ns                 | P≤0.01            | P≤0.01           |
| <input checked="" type="checkbox"/> Ear: number of grains |                            |                    |                   |                  |
| Mean  | 22.86                      | 24.57              | 23.71             | 27.29            |
| Std. Deviation  | 1.22                       | 1.13               | 2.29              | 1.11             |
| Lsd/sig   | 2.02                       | ns                 | ns                | P≤0.01           |
| <input checked="" type="checkbox"/> Awns: length (cm)     |                            |                    |                   |                  |
| Mean  | 10.56                      | 12.73              | 8.70              | 11.07            |
| Std. Deviation  | 0.44                       | 0.51               | 0.59              | 0.33             |
| Lsd/sig   | 0.76                       | P≤0.01             | P≤0.01            | ns               |

### **Prior Applications and Sales**

Nil

Description: **Amanda Box**, University of Adelaide, SA

**Details of Application**

|                           |   |
|---------------------------|---|
| <b>Application Number</b> | 2011/141  |
| <b>Variety Name</b>       | 'Fathom'  |
| <b>Genus Species</b>      | <i>Hordeum vulgare</i>  |
| <b>Common Name</b>        | Barley  |
| <b>Synonym</b>            | Nil   |
| <b>Accepted Date</b>      | 23 Sep 2011   |
| <b>Applicant</b>          | Adelaide Research & Innovation Pty Ltd, Adelaide, SA and Grains Research & Development Corporation, Barton, ACT |
| <b>Agent</b>              | Adelaide Research & Innovation Pty Ltd, Adelaide, SA  |
| <b>Qualified Person</b>   | Amanda Box  |

**Details of Comparative Trial**

|                            |   |
|----------------------------|---|
| <b>Location</b>            | Charlick Experimental Research Station, Strathalbyn, South Australia  |
| <b>Descriptor</b>          | Barley ( <i>Hordeum vulgare</i> ) TG/19/10  |
| <b>Period</b>              | 12th July 2011 to 8th December 2011   |
| <b>Conditions</b>          | The seeding rate was 60kg/ha, corresponding to approximately 150 seeds per square metre. Each replicate contained approximately 600 plants. |
| <b>Trial Design</b>        | Three replicates of each genotype were sown on 12th July 2011 in plots 6 rows x 3.2 metres long.  |
| <b>Measurements</b>        | Fifteen randomly selected plants were assessed individually for each trait.   |
| <b>RHS Chart - edition</b> | N/A   |

**Origin and Breeding**

Controlled pollination: 'Fathom' was produced from a cross between the lines JE001\*13D-20 (CPI71284-48/Barque\*3) and WI3806 (Mundah/Keel/Barque) in 2003. The population was progressed as an F<sub>1</sub> bulk over summer 2003/04, as an F<sub>2</sub> bulk population in 2004 and as an F<sub>3</sub> bulk population over summer 2004/05. Twenty eight single plant selections were evaluated in rows in 2005. Disease resistance, grain size and phenology were used to select 8 lines for Stage 1 yield evaluation in 2006. Yield trials comprised unreplicated designs with a check grid grown at 3 locations in South Australia. Agronomic performance was used to select 5 lines for Stage 2 field evaluation in 2007 across 18 locations in Australia, and subsequently 2 lines were selected for Stage 3 evaluation in 2008 across 22 locations. WI4483 was identified as the most promising line and tested for agronomic performance and yield in 22 locations in 2009 and 95 locations in 2010. Fifty single plant reselections were taken from Turretfield in 2009 and evaluated over summer 2009/10, and 45 of these were evaluated at Roseworthy in 2010. The reselections exhibited variation in ear glaucosity and 15 uniform reselections were combined and progressed as pure seed. No off types were observed and all rows were bulked. Breeder: Jason Eglinton, Stewart Coventry and Amanda Box, University of Adelaide.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>           | <b>State of Expression in Group of Varieties</b> |
|-------------------------|--------------------------|--|
| Lowest leaves           | hairiness of leaf sheath | absent   |
| Ear                     | number of rows           | two  |

|        |      |             |
|--------|------|-------------|
| Grain  | husk | present     |
| Season | type | spring type |

### **Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b>       | <b>Comments</b> |
|-------------------|-----------------|
| 'Fleet Australia' |                 |
| 'Barque'          |                 |

### **Varieties of Common Knowledge identified and subsequently excluded**

| <b>Variety</b> | <b>Distinguishing Characteristics</b>                          | <b>State of Expression in Candidate Variety</b> | <b>State of Expression in Comparator Variety</b> | <b>Comments</b> |
|----------------|--|---|--|-----------------|
| 'VT Admiral'   | Plant: growth habit  | erect   | prostrate  |                 |
| 'Navigator'    | Plant: growth habit  | erect   | semi-prostrate                                   |                 |
| 'VT Admiral'   | Flag leaf: intensity of anthocyanin colouration of auricles    | weak  | medium   |                 |
| 'VT Admiral'   | Time of ear emergence  | very early                                      | late to very late                                |                 |
| 'Navigator'    | Time of ear emergence  | very early                                      | late   |                 |
| 'Navigator'    | Awns: anthocyanin colouration of tips                          | present   | absent   |                 |
| 'VT Admiral'   | Ear: glaucosity  | very weak to weak                               | medium   |                 |
| 'VT Admiral'   | Plant: length  | long  | very short to short                              |                 |
| Navigator      | Plant: length  | long  | short  |                 |
| 'VT Admiral'   | Sterile spike: attitude  | divergent                                       | parallel to weakly divergent                     |                 |
| 'Navigator'    | Sterile spike: attitude  | divergent                                       | parallel to weakly divergent                     |                 |
| 'VT Admiral'   | Median spikelet: length if glume and its awn relative to grain | longer  | shorter  |                 |
| 'Navigator'    | Median spikelet: length if glume and its awn relative to grain | longer  | shorter  |                 |
| 'VT Admiral'   | Grain: rachilla hair type                                      | long  | short  |                 |
| 'Navigator'    | Grain: hairiness of ventral furrow                             | present   | absent   |                 |

### **Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| <b>Organ/Plant Part: Context</b>   | <b>'Fathom'</b> | <b>'Barque'</b>    | <b>'Fleet Australia'</b> |
|--|-----------------|--------------------|--------------------------|
| <input checked="" type="checkbox"/> *Plant: growth habit   | erect           | semi-prostrate     | erect                    |
| <input type="checkbox"/> *Lowest leaves: hairiness of leaf sheaths                               | absent          | absent             | absent                   |
| <input checked="" type="checkbox"/> *Flag leaf: anthocyanin colouration of auricles              | present         | present            | absent                   |
| <input checked="" type="checkbox"/> *Flag leaf: intensity of anthocyanin colouration of auricles | weak            | very weak          |                          |
| <input checked="" type="checkbox"/> Plant: frequency of plants with                              | high            | absent or very low | high to very high        |

recurved flag leaves

|                                     |  |                     |                              |                              |
|-------------------------------------|--|---------------------|------------------------------|------------------------------|
| <input type="checkbox"/>            | Flag leaf: glaucosity of sheath                                    | weak to medium      | medium                       | medium to strong             |
| <input type="checkbox"/>            | *Time of: ear emergence  | very early          | early                        | early to medium              |
| <input checked="" type="checkbox"/> | *Awns: anthocyanin colouration of tips                             | present             | present                      | absent                       |
| <input checked="" type="checkbox"/> | *Awns: intensity of anthocyanin colouration of tips                | very weak           | weak                         |                              |
| <input checked="" type="checkbox"/> | *Ear: glaucosity   | very weak to weak   | weak                         | medium                       |
| <input checked="" type="checkbox"/> | Ear: attitude  | semi-erect          | horizontal                   | semi-recurved                |
| <input checked="" type="checkbox"/> | *Plant: length   | long                | very long                    | long                         |
| <input type="checkbox"/>            | *Ear: number of rows   | two                 | two                          | two                          |
| <input checked="" type="checkbox"/> | Ear: shape   | parallel            | tapering                     | parallel                     |
| <input type="checkbox"/>            | *Ear: density  | medium to dense     | medium                       | medium                       |
| <input checked="" type="checkbox"/> | Ear: length  | medium              | medium                       | medium                       |
| <input checked="" type="checkbox"/> | *Awn: length   | long                | long                         | very long                    |
| <input checked="" type="checkbox"/> | Rachis: length of first segment                                    | short               | medium                       | medium                       |
| <input checked="" type="checkbox"/> | Rachis: curvature of first segment                                 | medium              | absent or very weak          | weak to medium               |
| <input checked="" type="checkbox"/> | *Sterile spikelet: attitude  | divergent           | parallel to weakly divergent | parallel to weakly divergent |
| <input checked="" type="checkbox"/> | Median spikelet: length of glume and its awn relative to grain     | longer              | equal                        | equal                        |
| <input checked="" type="checkbox"/> | *Grain: rachilla hair type   | long                | short                        | long                         |
| <input type="checkbox"/>            | *Grain: husk   | present             | present                      | present                      |
| <input type="checkbox"/>            | Grain: anthocyanin colouration of nerves of lemma                  | absent or very weak | absent or very weak          | absent or very weak          |
| <input type="checkbox"/>            | Grain: spiculation of inner lateral nerves of dorsal side of lemma | strong              | medium to strong             | medium to strong             |
| <input type="checkbox"/>            | *Grain: hairiness of ventral furrow                                | present             | present                      | absent                       |
| <input type="checkbox"/>            | Grain: disposition of lodicules                                    | clasping            | clasping                     | clasping                     |
| <input type="checkbox"/>            | Kernel: colour of aleurone layer                                   | whitish             | whitish                      | whitish                      |
| <input type="checkbox"/>            | *Season: type  | spring type         | spring type                  | spring type                  |



**Characteristics Additional to the Descriptor/TG**

| <b>Organ/Plant Part: Context</b>                           | <b>‘Fathom’</b> | <b>‘Barque’</b> | <b>‘Fleet Australia’</b> |
|--|-----------------|-----------------|--------------------------|
| <input checked="" type="checkbox"/> Grain: rachilla length | medium          | short           | medium to long           |

**Statistical Table**

| <b>Organ/Plant Part: Context</b>                       | <b>‘Fathom’</b> | <b>‘Barque’</b> | <b>‘Fleet Australia’</b> |
|--|-----------------|-----------------|--------------------------|
| <input checked="" type="checkbox"/> Plant: length (cm) |                 |                 |                          |
| Mean   | 87.42           | 94.87           | 86.22                    |
| Std. Deviation   | 1.53            | 5.82            | 2.48                     |
| Lsd/sig  | 4.36            | P≤0.01          | ns                       |
| <input checked="" type="checkbox"/> Ear: length (cm)   |                 |                 |                          |
| Mean   | 6.84            | 7.76            | 7.02                     |
| Std. Deviation   | 0.43            | 0.43            | 0.28                     |
| Lsd/sig  | 0.42            | P≤0.01          | ns                       |
| <input type="checkbox"/> Ear: number of grains         |                 |                 |                          |
| Mean   | 24.36           | 25.45           | 22.36                    |
| Std. Deviation   | 1.36            | 2.02            | 1.50                     |
| Lsd/sig  | 2.11            | ns              | ns                       |
| <input checked="" type="checkbox"/> Awns: length (cm)  |                 |                 |                          |
| Mean   | 9.03            | 9.01            | 13.50                    |
| Std. Deviation   | 0.51            | 1.33            | 0.51                     |
| Lsd/sig  | 1.08            | ns              | P≤0.01                   |

**Prior Applications and Sales**

Nil

Description: **Amanda Box**, University of Adelaide, SA

**Details of Application**

|                           |   |
|---------------------------|---|
| <b>Application Number</b> | 2011/221  |
| <b>Variety Name</b>       | 'Wimmera'   |
| <b>Genus Species</b>      | <i>Hordeum vulgare</i>  |
| <b>Common Name</b>        | Barley  |
| <b>Synonym</b>            | Nil   |
| <b>Accepted Date</b>      | 04 Nov 2011   |
| <b>Applicant</b>          | Agriculture Victoria Services Pty Ltd, Attwood, Victoria and Grains Research & Development Corporation, Barton, ACT |
| <b>Agent</b>              | N/A   |
| <b>Qualified Person</b>   | Amanda Box  |

**Details of Comparative Trial**

|                            |   |
|----------------------------|---|
| <b>Location</b>            | Charlick Experimental Research Station, Strathalbyn, South Australia  |
| <b>Descriptor</b>          | Barley ( <i>Hordeum vulgare</i> ) TG/19/10  |
| <b>Period</b>              | 12th July 2011 to 8th December 2011   |
| <b>Conditions</b>          | The seeding rate was 60kg/ha, corresponding to approximately 150 seeds per square metre. Each replicate contained approximately 600 plants. |
| <b>Trial Design</b>        | Four replicates of each genotype were sown on 12th July 2011 in plots 6 rows x 3.2 metres.  |
| <b>Measurements</b>        | Fifteen randomly selected plants were assessed individually for each trait.   |
| <b>RHS Chart - edition</b> | N/A   |

**Origin and Breeding**

Controlled pollination: 'Wimmera' was produced from a cross between the varieties 'Scarlett' and 'Gairdner' by controlled pollination in 1998. Heads were chosen from selected F<sub>2</sub> single plants in 1999 and these heads bulked to form a F<sub>3</sub> bulk sown in the summer of 1999/2000. F<sub>3</sub> derived F<sub>4</sub> generation material was selected for agronomic type, physical and NIR grain quality in 2000. F<sub>3</sub> derived F<sub>5</sub> generation material was evaluated at 3 locations in Victoria in 2001 and selected on the basis of grain yield, agronomic characteristics, physical and NIR grain quality. F<sub>5</sub> derived F<sub>6</sub> generation single plant reselections were grown in a seed increase row in the summer of 2001/02 and assessed for phenological type. F<sub>5</sub>:F<sub>7</sub> generation material was grown at 3 locations in Victoria in 2002 although grain yield was only recorded from one location due to drought. Selection was based on NIR quality predictions of malted samples retained from the F<sub>5</sub> generation trial, grain yield, physical grain quality, agronomic type and powdery mildew resistance. In 2003, F<sub>5</sub> derived F<sub>8</sub> material was grown at 8 locations in Victoria and South Australia and selected for grain yield, physical and malt quality, and relative resistance to leaf rust, scald and stripe rust. In 2004, material was grown at 8 locations in southern Australia (WA, SA, Vic and NSW). Selection proceeded for grain yield, foliar disease resistance, physical and malt quality. In 2005, 'Wimmera' was included in 23 regional evaluation trials across southern Australia, where selection continued for yield, physical and micromalt quality assessment, and disease resistance. As 'Wimmera' was mixed for rachilla hair type, 80 reselections were taken from the original Wimmera (at approximately F<sub>12</sub> generation) in 2007, seed multiplied and assessed at DPI Victoria, Horsham in 2008 for rachilla hair type. Concurrently, the reselections were assessed using a panel of 16 SNP markers to determine line

homogeneity. Based on these results, 28 reselections were discarded and the remaining selections classified into 15 subgroups (lines) by DPI Victoria that formed the basis for further evaluation in 2009 and 2010 by the University of Adelaide with whom commercialisation rights were granted. Subsequently, from these 15 lines, the 6 best lines were selected according to uniformity of plant height and maturity, and foliar disease resistance. These 6 lines were further evaluated in yield trials at 3 locations in South Australia and Victoria in 2009, resulting in one line being selected for superior grain yield, grain plumpness, foliar disease resistance and malt quality. This selection was used as the foundation for pure seed production in 2010. No off types were observed and all rows were bulked. Breeder: David Moody, Department of Primary Industries, Victoria.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| Organ/Plant Part | Context                             | State of Expression in Group of Varieties |
|------------------|-------------------------------------|---|
| Lowest leaves    | hairiness of leaf sheaths           | absent                                    |
| Flag leaf        | anthocyanin colouration of auricles | present                                   |
| Awns             | anthocyanin colouration of tips     | present                                   |
| Ear              | glaucosity                          | weak                                      |
| Plant            | length                              | short to medium                           |
| Ear              | number of rows                      | two                                       |
| Ear              | density                             | lax                                       |
| Sterile spikelet | attitude                            | parallel to weakly divergent              |
| Grain            | husk                                | present                                   |
| Grain            | hairiness of ventral furrow         | absent                                    |
| Season           | type                                | spring type                               |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| Name     | Comments |
|----------|----------|
| Gairdner |          |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety      | Distinguishing Characteristics                              | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments |
|--------------|---|--|---|----------|
| 'Scarlett'   | Plant: straw strength                                       | very strong                              | medium                                    |          |
| 'Fathom'     | Plant: growth habit   | semi-prostrate                           | erect                                     |          |
| 'Skipper'    | Plant: growth habit   | semi-prostrate                           | erect                                     |          |
| 'Australia'  |   |  |   |          |
| 'VT Admiral' | Flag leaf: intensity of anthocyanin colouration of auricles | strong                                   | medium                                    |          |
| 'Navigator'  | Flag leaf: intensity of anthocyanin colouration of auricles | strong                                   | very weak to weak                         |          |
|              | Flag leaf: intensity of                                     | strong                                   | weak                                      |          |

|                        |   |                                 |                     |
|------------------------|---|---------------------------------|---------------------|
| 'Fathom'               | anthocyanin<br>colouration of<br>auricles               |                                 |                     |
|                        | Flag leaf: intensity of                                 | strong                          | medium              |
| 'Skipper<br>Australia' | anthocyanin<br>colouration of<br>auricles               |                                 |                     |
|                        | Time of ear<br>emergence                                | late                            | very early          |
| 'Fathom'               | Time of ear<br>emergence                                | late                            | very early to early |
| 'Skipper<br>Australia' | Awn: anthocyanin<br>colouration of tips                 | present                         | absent              |
| 'Navigator'            | Awn: intensity of<br>anthocyanin<br>colouration of tips | medium to strong                | very weak to weak   |
| 'VT<br>Admiral'        | Awn: intensity of<br>anthocyanin<br>colouration of tips | medium to strong                | very weak           |
| 'Fathom'               | Ear: glaucosity   | weak                            | medium              |
|                        | Ear: glaucosity   | weak                            | medium              |
| 'VT<br>Admiral'        | Plant: length   | short to medium                 | long                |
| 'Skipper<br>Australia' | Plant: length   | short to medium                 | long                |
| 'Fathom'               | Ear: density  | lax                             | medium              |
| 'Skipper<br>Australia' | Ear: density  | lax                             | medium to dense     |
| 'VT<br>Admiral'        | Ear: density  | lax                             | medium              |
| 'Fathom'               | Awn: length   | long                            | medium              |
| 'Skipper<br>Australia' | Sterile spikelet:<br>attitude                           | parallel to weakly<br>divergent | divergent           |
| 'Skipper<br>Australia' | Sterile spikelet:<br>attitude                           | parallel to weakly<br>divergent | divergent           |
| 'Fathom'               | Grain: rachilla hair<br>type                            | long                            | short               |
| 'Skipper<br>Australia' | Grain: hairiness of<br>ventral furrow                   | absent                          | present             |
| 'VT<br>Admiral'        | Grain: hairiness of<br>ventral furrow                   | absent                          | present             |
| 'VT<br>Admiral'        |   |                                 |                     |
| 'Fathom'               |   |                                 |                     |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| <b>Organ/Plant Part: Context</b>   | <b>‘Wimmera’</b>             | <b>‘Gairdner’</b>            |
|--|------------------------------|------------------------------|
| <input type="checkbox"/> *Plant: growth habit  | semi-prostrate               | prostrate                    |
| <input type="checkbox"/> *Lowest leaves: hairiness of leaf sheaths                                     | absent                       | absent                       |
| <input type="checkbox"/> *Flag leaf: anthocyanin colouration of auricles                               | present                      | present                      |
| <input checked="" type="checkbox"/> *Flag leaf: intensity of anthocyanin colouration of auricles       | strong                       | medium                       |
| <input type="checkbox"/> Plant: frequency of plants with recurved flag leaves                          | absent or very low           | absent or very low           |
| <input checked="" type="checkbox"/> Flag leaf: glaucosity of sheath                                    | weak to medium               | medium                       |
| <input type="checkbox"/> *Time of: ear emergence   | late to very late            | late                         |
| <input type="checkbox"/> *Awns: anthocyanin colouration of tips  | present                      | present                      |
| <input type="checkbox"/> *Awns: intensity of anthocyanin colouration of tips                           | medium to strong             | medium                       |
| <input type="checkbox"/> *Ear: glaucosity  | weak                         | weak                         |
| <input checked="" type="checkbox"/> Ear: attitude  | erect to semi-erect          | semi-erect to horizontal     |
| <input type="checkbox"/> *Plant: length  | short to medium              | short to medium              |
| <input type="checkbox"/> *Ear: number of rows  | two                          | two                          |
| <input checked="" type="checkbox"/> Ear: shape   | tapering                     | parallel                     |
| <input type="checkbox"/> *Ear: density   | lax                          | lax                          |
| <input type="checkbox"/> Ear: length   | long                         | long                         |
| <input checked="" type="checkbox"/> *Awn: length   | long                         | long                         |
| <input checked="" type="checkbox"/> Rachis: length of first segment                                    | medium to long               | short                        |
| <input checked="" type="checkbox"/> Rachis: curvature of first segment                                 | absent or very weak          | medium                       |
| <input type="checkbox"/> *Sterile spikelet: attitude   | parallel to weakly divergent | parallel to weakly divergent |
| <input type="checkbox"/> Median spikelet: length of glume and its awn relative to grain                | equal                        | equal                        |
| <input checked="" type="checkbox"/> *Grain: rachilla hair type   | long                         | short                        |
| <input type="checkbox"/> *Grain: husk  | present                      | present                      |
| <input type="checkbox"/> Grain: anthocyanin colouration of nerves of lemma                             | absent or very weak          | absent or very weak          |
| <input checked="" type="checkbox"/> Grain: spiculation of inner lateral nerves of dorsal side of lemma | medium                       | weak                         |

|                          |                                     |             |             |
|--------------------------|-------------------------------------|-------------|-------------|
| <input type="checkbox"/> | *Grain: hairiness of ventral furrow | absent      | absent      |
| <input type="checkbox"/> | Grain: disposition of lodicules     | clasping    | clasping    |
| <input type="checkbox"/> | Kernel: colour of aleurone layer    | whitish     | whitish     |
| <input type="checkbox"/> | *Season: type                       | spring type | spring type |

### **Characteristics Additional to the Descriptor/TG**

| <b>Organ/Plant Part: Context</b>                            | <b>‘Wimmera’</b> | <b>‘Gairdner’</b> |
|---|------------------|-------------------|
| <input checked="" type="checkbox"/> Grain: rachilla length  | medium           | long              |
| <input checked="" type="checkbox"/> Grain: Lemma base shape | depressed        | creased           |

### **Statistical Table**

| <b>Organ/Plant Part: Context</b>                          | <b>‘Wimmera’</b> | <b>‘Gairdner’</b> |
|---|------------------|-------------------|
| <input type="checkbox"/> Plant: length (cm)               |                  |                   |
| Mean  | 81.26            | 79.14             |
| Std. Deviation  | 1.71             | 2.63              |
| Lsd/sig   | 3.356            | ns                |
| <input type="checkbox"/> Ear: length (cm)                 |                  |                   |
| Mean  | 9.55             | 9.85              |
| Std. Deviation  | 0.40             | 0.75              |
| Lsd/sig   | 0.90             | ns                |
| <input checked="" type="checkbox"/> Ear: number of grains |                  |                   |
| Mean  | 30.80            | 28.50             |
| Std. Deviation  | 1.23             | 2.01              |
| Lsd/sig   | 2.27             | P≤0.01            |
| <input checked="" type="checkbox"/> Awns: length (cm)     |                  |                   |
| Mean  | 11.40            | 9.87              |
| Std. Deviation  | 0.44             | 0.66              |
| Lsd/sig   | 0.94             | P≤0.01            |

### **Prior Applications and Sales**

Nil

Description: **Amanda Box**, University of Adelaide, SA

**Details of Application**

|                           |   |
|---------------------------|---|
| <b>Application Number</b> | 2008/248                                    |
| <b>Variety Name</b>       | 'Little Silver'                             |
| <b>Genus Species</b>      | <i>Callistemon viminalis</i>                |
| <b>Common Name</b>        | Bottlebrush                                 |
| <b>Synonym</b>            | Nil   |
| <b>Accepted Date</b>      | 29 Aug 2008                                 |
| <b>Applicant</b>          | Terence Charles Keogh, Victoria Point, QLD. |
| <b>Agent</b>              | n/a   |
| <b>Qualified Person</b>   | Deo Singh                                   |

**Details of Comparative Trial**

|                            |  |
|----------------------------|--|
| <b>Location</b>            | 209 Bunker Rd, Victoria Point, QLD   |
| <b>Descriptor</b>          | National Descriptor for Callistemon (PBR CALL)   |
| <b>Period</b>              | 2008 to 2011   |
| <b>Conditions</b>          | The plants were grown on the wire bench in full sun, under standard nursery practices. |
| <b>Trial Design</b>        | Fifteen plants of each were grown in a randomised block design.                        |
| <b>Measurements</b>        | Measurements were taken from five plants at random.                                    |
| <b>RHS Chart - edition</b> | 2007   |

**Origin and Breeding**

Controlled pollination: Pollen of *Callistemon viminalis* 'Little John' was applied to emasculated flowers of *Callistemon viminalis* 'Pindi Pindi' under controlled conditions in Victoria Point, QLD. Resulting seeds were collected and germinated. Six of the resulting F1 plants were selected and cross pollinated with each other. Twenty plants from F2 population were selected and planted out in the field. One plant was found to have silver leaves and had dwarf growth habit. This was propagated through a number of generations and was found to be true to type. Breeder: Terence Charles Keogh, Victoria Point, QLD.

**Choice of Comparators**

Characteristic used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b> | <b>State of Expression in Group of Varieties</b> |
|-------------------------|----------------|--|
| Plant                   | attitude       | upright to spreading                             |
| Plant                   | height         | short to medium                                  |
| Plant                   | width          | narrow to medium                                 |
| Plant                   | branching      | weak to medium                                   |
| Leaf                    | length         | medium   |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b>       | <b>Comments</b>                                       |
|-------------------|---|
| 'Little Caroline' | Growth habit medium, with light green leaves.         |
| 'Little John'     | Growth habit short, with hairy leaves. Pollen parent. |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| <b>Organ/Plant Part: Context</b>  | <b>'Little Silver'</b> | <b>'Little Caroline'</b> | <b>'Little John'</b> |
|---|------------------------|--------------------------|----------------------|
| <input type="checkbox"/> Plant: attitude  | upright to spreading   | upright to spreading     | upright to spreading |
| <input checked="" type="checkbox"/> Plant: density  | weak to medium         | medium                   | medium to strong     |
| <input type="checkbox"/> Plant: height  | medium                 | short to medium          | short                |
| <input type="checkbox"/> Plant: width   | narrow to medium       | narrow to medium         | narrow to medium     |
| <input type="checkbox"/> Plant: branching   | weak to medium         | weak to medium           | medium               |
| <input type="checkbox"/> Leaf: length   | medium                 | medium                   | medium               |
| <input type="checkbox"/> Leaf: width  | broad                  | broad                    | medium               |
| <input checked="" type="checkbox"/> Leaf: colour of mature leaf upper side (RHS colour chart) | 138AB                  | 137A                     | N137A                |
| <input checked="" type="checkbox"/> Leaf: colour of mature leaf lower side (RHS colour chart) | 138B                   | 137BC                    | 137C                 |

**Characteristics Additional to the Descriptor/TG**

| <b>Organ/Plant Part: Context</b>                        | <b>'Little Silver'</b> | <b>'Little Caroline'</b> | <b>'Little John'</b> |
|---|------------------------|--------------------------|----------------------|
| <input type="checkbox"/> Leaf: length including petiole | about 50-58mm          | about 56-60mm            | about 37-38mm        |
| <input type="checkbox"/> leaf: width                    | about 8.5-10.0mm       | about 9mm                | about 5-7mm          |
| <input checked="" type="checkbox"/> Leaf: hairiness     | absent to weak         | medium                   | strong               |

**Prior Applications and Sales**

Nil

Description: **Deo Singh**, Ormiston, QLD.



**Details of Application**

|                           |  |
|---------------------------|--|
| <b>Application Number</b> | 2009/045                                   |
| <b>Variety Name</b>       | 'Little Caroline'                          |
| <b>Genus Species</b>      | <i>Callistemon viminalis</i>               |
| <b>Common Name</b>        | Bottlebrush                                |
| <b>Synonym</b>            | Nil  |
| <b>Accepted Date</b>      | 10 Apr 2009                                |
| <b>Applicant</b>          | Terence Charles Keogh, Victoria Point, QLD |
| <b>Agent</b>              | n/a  |
| <b>Qualified Person</b>   | Deo Singh                                  |

**Details of Comparative Trial**

|                            |   |
|----------------------------|---|
| <b>Location</b>            | Unique Plants, Bunker Rd, Victoria Point, QLD                                   |
| <b>Descriptor</b>          | National Descriptor for Callistemon (PBR CALL)                                  |
| <b>Period</b>              | 2008 - 2011   |
| <b>Conditions</b>          | Plants were grown on wire benches in full sun under standard nursery practices. |
| <b>Trial Design</b>        | Fifteen plants of each were grown in a randomized block design.                 |
| <b>Measurements</b>        | Measurements were taken from five plants at random.                             |
| <b>RHS Chart - edition</b> | 2007  |

**Origin and Breeding**

Controlled pollination: Pollen of *Callistemon viminalis* 'Little John' was applied to emasculated flowers of *Callistemon viminalis* 'Wildfire' under controlled conditions in Victoria Point, QLD. Resulting seeds were germinated, and ten plants were selected and were grown in the field for three years. Plants from this F1 population were further cross pollinated, seeds were germinated and seventy of the resulting F2 seedlings were planted in field. *Callistemon viminalis* 'Little Caroline' was found to be dwarf, dense and had light coloured leaves. This has gone through several generations and has been found to be true to type. Breeder: Terence Charles Keogh, Victoria Point, QLD.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b> | <b>State of Expression in Group of Varieties</b> |
|-------------------------|----------------|--|
| Plant                   | attitude       | upright to spreading                             |
| Plant                   | height         | short to medium                                  |
| Plant                   | width          | narrow to medium                                 |
| Plant                   | branching      | weak to medium                                   |
| Leaf                    | length         | medium   |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b>     | <b>Comments</b>  |
|-----------------|--|
| 'Little Silver' | 'Little Caroline' is somewhat between 'Little Silver' and 'Little John' in growth habit. |
| 'Little John'   | A short hairy variety. Pollen parent.  |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| <b>Organ/Plant Part: Context</b>  | <b>‘Little Caroline’</b> | <b>‘Little john’</b> | <b>‘Little Silver’</b> |
|---|--------------------------|----------------------|------------------------|
| <input type="checkbox"/> Plant attitude   | upright to spreading     | upright to spreading | upright to spreading   |
| <input checked="" type="checkbox"/> Plant: density  | medium                   | medium to strong     | weak to medium         |
| <input type="checkbox"/> Plant: height  | short to medium          | short                | medium                 |
| <input type="checkbox"/> Plant: width   | narrow to medium         | narrow to medium     | narrow to medium       |
| <input type="checkbox"/> Plant: branching   | weak to medium           | medium               | weak to medium         |
| <input type="checkbox"/> Leaf: length   | medium                   | medium               | medium                 |
| <input type="checkbox"/> Leaf: width  | broad                    | medium               | broad                  |
| <input checked="" type="checkbox"/> Leaf: colour of mature leaf upper side (RHS colour chart) | 137A                     | N137A                | 138AB                  |
| <input checked="" type="checkbox"/> Leaf: colour of mature leaf lower side (RHS colour chart) | 137BC                    | 137C                 | 138B                   |

**Characteristics Additional to the Descriptor/TG**

| <b>Organ/Plant Part: Context</b>                        | <b>‘Little Caroline’</b> | <b>‘Little john’</b> | <b>‘Little Silver’</b> |
|---|--------------------------|----------------------|------------------------|
| <input type="checkbox"/> Leaf: length including petiole | about 56-60mm            | about 37-38mm        | about 50-58mm          |
| <input type="checkbox"/> leaf: width                    | about 9mm                | about 5-7mm          | about 8.5-10mm         |
| <input checked="" type="checkbox"/> Leaf: hairiness     | medium                   | strong               | absent to weak         |

**Prior Applications and Sales**

Nil

Description: **Deo Singh** , Ormiston, QLD.

**Details of Application**

|                           |  |
|---------------------------|--|
| <b>Application Number</b> | 2012/056   |
| <b>Variety Name</b>       | 'Lakota'   |
| <b>Genus Species</b>      | <i>Cenchrus ciliaris</i>   |
| <b>Common Name</b>        | Buffel Grass   |
| <b>Synonym</b>            | Cool Buff  |
| <b>Accepted Date</b>      | 10 Apr 2012  |
| <b>Applicant</b>          | Pogue Agri Partners, Inc, Kenedy, TX, USA<br>and Antonio Narro Autonomous Agrarian University,<br>Saltillo, Mexico |
| <b>Agent</b>              | Heritage Seeds, Richlands, QLD   |

**Qualified Person** Leonard Song

**Details of Comparative Trial**

|                            |  |
|----------------------------|--|
| <b>Location</b>            | Blanchview, Queensland   |
| <b>Descriptor</b>          | PBR BUFFELS ( <i>Cenchrus ciliaris</i> )   |
| <b>Period</b>              | November 2011 - July 2012  |
| <b>Conditions</b>          | Plants were grown on alluvial sandy loam soil with irrigation and weed control as required. Seedlings were transplanted in the last week of November 2011, with irrigation applied directly after transplanting.   |
| <b>Trial Design</b>        | Two generations of 'Lakota' were compared with 'American', 'Gayndah' and 'Biloela' (comparators). The trial was set up as a randomised block experiment with three replicates. Each plot of 5 sq m has 20 spaced plants grown in 2 rows, with row spacing of 1m and plant spacing of 50cm along the row.                             |
| <b>Measurements</b>        | Plant height (cm) was measured on 60 plants between January - February 2012 when plants attained maximum height at maturity. Head colour and leaf colour were recorded using the RHS colour chart. Resistance to buffel leaf blight ( <i>Pyricularia grisea</i> ) was scored for each plant as resistant or susceptible at maturity. |
| <b>RHS Chart - Edition</b> | 1995   |

**Origin and Breeding**

Controlled pollination: 'Lakota' (PS-711) is a tetraploid apomictic hybrid generated from the buffel grass breeding program between Pogue Agri Partners (Kenedy, Texas) and Autonomous Agrarian University (Saltillo, Mexico). The tetraploid was selected as an advance line from the cross between TAM-CRD-B-1s (female parent) and Zaragoza-115. TAM-CRD-B-1s is a sexual tetraploid developed from the above joint program (Bashaw, 1962)\*. It was crossed as a female parent to Zaragoza-115 as the male parent. Zaragoza-115 (or wZ-115) is a cold tolerant apomictic tetraploid. 'Lakota' was selected for buffel leaf blight resistance (*Pyricularia grisea*), cold tolerance and improved agronomic performance such as forage yield and winter active regrowth. Data from Pogue Seeds in USA demonstrated 'Lakota' produced significantly higher forage yield than 'American' (labelled as T-4464) and 'Gayndah' and showed better persistency and leaf blight resistance. Breeder: Dr. Jorge Raúl González Domínguez, Dra. Susana Gómez Martínez, Universidad Autónoma Agraria Antonio Narro (UAAAN), Saltillo, Mexico.

\*Bashaw, E C (1962), Apomixis and sexuality in buffel grass. Crop Science 2: 412.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| Organ/Plant Part | Context             | State of Expression in Group of Varieties |
|------------------|---------------------|---|
| Plant            | growth habit        | erect                                     |
| Plant            | stolons             | absent                                    |
| Plant            | rhizomes            | present                                   |
| Culm             | leaf sheath auricle | absent                                    |
| Culm             | ligule              | present                                   |
| Culm             | leaf shape          | linear                                    |
| Culm             | width               | narrow                                    |
| Awn              | length              | medium                                    |

#### **Most Similar Varieties of Common Knowledge identified (VCK)**

| Name       | Comments                          |
|------------|-----------------------------------|
| ‘American’ | susceptible to buffel leaf blight |
| ‘Gayndah’  | resistant to buffel leaf blight   |
| ‘Biloela’  | susceptible to buffel leaf blight |

#### **Varieties of Common Knowledge identified and subsequently excluded**

| Variety | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety |
|---------|--------------------------------|--|---|
| ‘Viva’  | Plant height                   | tall                                     | short                                     |
| ‘Bella’ | Plant height                   | tall                                     | short                                     |

**Variety Description and Distinctness** - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.

| Organ/Plant Part: Context  | ‘Lakota’      | ‘American’  | ‘Biloela’     | ‘Gayndah’       |
|--|---------------|-------------|---------------|-----------------|
| <input type="checkbox"/> Plant: growth habit                             | erect         | erect       | erect         | erect           |
| <input type="checkbox"/> Plant: stolons                                  | absent        | absent      | absent        | absent          |
| <input type="checkbox"/> Plant: rhizomes                                 | present       | present     | present       | present         |
| <input type="checkbox"/> Culm: length                                    | long          | medium      | long          | short to medium |
| <input type="checkbox"/> Culm: width                                     | narrow        | narrow      | narrow        | narrow          |
| <input type="checkbox"/> Culm: number of internodes                      | few to medium | few         | few to medium | few to medium   |
| <input checked="" type="checkbox"/> Culm: leaf colour (RHS colour chart) | 137 B-D       | 137 B-D     | 138 B-D       | 139 B-D         |
| <input type="checkbox"/> Culm: leaf blade surface                        | scaberulous   | smooth      | scaberulous   | smooth          |
| <input type="checkbox"/> Culm: leaf blade veneration                     | flat          | flat        | flat          | flat            |
| <input type="checkbox"/> Culm: blade margin                              | scaberulous   | scaberulous | scaberulous   | scaberulous     |
| <input type="checkbox"/> Culm: leaf sheath auricle                       | absent        | absent      | absent        | absent          |

|                                     |   |  |  |  |  |
|-------------------------------------|---|--|--|--|--|
| <input type="checkbox"/>            | Culm: ligule                                    | present                                      | present                                      | present                                      | present  |
| <input type="checkbox"/>            | Culm: ligule structure                          | fringe of hairs (membrane absent or obscure) | fringe of hairs (membrane absent or obscure) | fringe of hairs (membrane absent or obscure) | ciliate membrane (apical hairs as long as, or longer than, membrane) |
| <input type="checkbox"/>            | Collar: colour                                  | same as leaf sheath                          | same as leaf sheath                          | same as leaf sheath                          | same as leaf sheath  |
| <input type="checkbox"/>            | Collar: hairiness                               | absent                                       | present                                      | absent                                       | present  |
| <input type="checkbox"/>            | Peduncle: length                                | long   | long   | long   | medium to long   |
| <input type="checkbox"/>            | Culm: flag leaf length                          | medium to long                               | short  | long   | short  |
| <input type="checkbox"/>            | Culm: flag leaf width                           | narrow                                       | narrow                                       | narrow                                       | narrow   |
| <input type="checkbox"/>            | Culm: flag leaf shape                           | linear                                       | linear                                       | linear                                       | linear   |
| <input type="checkbox"/>            | Culm: pubescence of leaf sheath                 | absent                                       | present                                      | absent                                       | present  |
| <input type="checkbox"/>            | Culm: extent of pubescence on leaf sheath       | weak   | medium                                       | weak   | strong   |
| <input type="checkbox"/>            | Culm: distribution of pubescence on leaf sheath | one-third                                    | full   | one-third                                    | half   |
| <input type="checkbox"/>            | Culm: leaf blade length                         | long   | short to medium                              | long   | short to medium  |
| <input type="checkbox"/>            | Culm: leaf blade width                          | narrow                                       | narrow                                       | narrow                                       | narrow   |
| <input type="checkbox"/>            | Culm: leaf shape                                | linear                                       | linear                                       | linear                                       | linear   |
| <input type="checkbox"/>            | Culm: leaf blade glaucosity                     | absent                                       | absent                                       | absent                                       | absent   |
| <input type="checkbox"/>            | Culm: shape of leaf apex                        | narrow acute                                 | narrow acute                                 | narrow acute                                 | narrow acute   |
| <input type="checkbox"/>            | Culm: leaf blade pubescence                     | present                                      | present                                      | absent                                       | present  |
| <input type="checkbox"/>            | Culm: extent of pubescence on leaf blade        | medium                                       | strong                                       | -  | strong   |
| <input type="checkbox"/>            | Culm: distribution of leaf blade pubescence     | upper side                                   | upper side                                   | upper side                                   | upper side   |
| <input type="checkbox"/>            | Culm: node pubescence                           | absent                                       | absent                                       | absent                                       | absent   |
| <input type="checkbox"/>            | Culm: stem pubescence                           | absent                                       | absent                                       | absent                                       | absent   |
| <input type="checkbox"/>            | Culm: extent of pubescence of nodes             | weak   | weak   | weak   | weak   |
| <input type="checkbox"/>            | Culm: extent of pubescence of stem              | weak   | strong                                       | weak   | medium   |
| <input checked="" type="checkbox"/> | Inflorescence: colour of head (RHS)             | 177 A-D                                      | 177 A-D                                      | 164 A-D                                      | 164 A-D  |
| <input type="checkbox"/>            | Awn: length                                     | medium                                       | medium                                       | medium                                       | medium   |

|                                     |  |         |        |        |         |
|-------------------------------------|--|---------|--------|--------|---------|
| <input type="checkbox"/>            | Seed: intensity of brown colour at the base of fascicle        | dark    | dark   | light  | light   |
| <input checked="" type="checkbox"/> | Plant: resistance to leaf blight ( <i>Pyricularia grisea</i> ) | present | absent | absent | present |

**Statistical Table**

| <b>Organ/Plant Part: Context</b>                       | <b>'Lakota'</b> | <b>'American'</b> | <b>'Biloela'</b> | <b>'Gayndah'</b> |
|--|-----------------|-------------------|------------------|------------------|
| <input checked="" type="checkbox"/> Plant: height (cm) |                 |                   |                  |                  |
| Mean   | 98.70           | 68.80             | 94.00            | 62.30            |
| Std. Deviation   | 7.10            | 18.20             | 11.20            | 8.40             |
| LSD/sig  | 7.5             | P≤0.01            | ns               | P≤0.01           |

**Prior Applications and Sales**

| <b>Country</b> | <b>Year</b> | <b>Current Status</b> | <b>Name Applied</b> |
|----------------|-------------|-----------------------|---------------------|
| USA            | 2003        | Granted               | 'PS-711'            |

First sold in the USA in Jun 2008.

Description: **Leonard Song, Heritage Seeds**, Richlands, QLD.

**Details of Application**

|                           |   |
|---------------------------|---|
| <b>Application Number</b> | 2007/332  |
| <b>Variety Name</b>       | 'LEL C03'   |
| <b>Genus Species</b>      | <i>Cordyline australis</i> x <i>Cordyline banksii</i> |
| <b>Common Name</b>        | Cabbage Tree  |
| <b>Synonym</b>            | Nil   |
| <b>Accepted Date</b>      | 17 Dec 2008   |
| <b>Applicant</b>          | Lyder Enterprises Limited, Auckland, New Zealand      |
| <b>Agent</b>              | Crop & Nursery Services, Kincumber, NSW               |
| <b>Qualified Person</b>   | Ian Paananen  |

**Details of Comparative Trial**

|                            |   |
|----------------------------|---|
| <b>Location</b>            | Carabooda, WA.  |
| <b>Descriptor</b>          | <i>Cordyline</i> ( <i>Cordyline</i> spp) PBR CORD.  |
| <b>Period</b>              | Feb to May 2009.  |
| <b>Conditions</b>          | Trial conducted in open beds, plants originally propagated from micropropagation, finally planted into 200mm pots filled with soilless potting mix, nutrition maintained with slow release and liquid fertilisers, irrigation by overhead watering, pest and disease treatments not required. |
| <b>Trial Design</b>        | Fifteen pots of each variety arranged in a completely randomised design.  |
| <b>Measurements</b>        | From ten plants at random.  |
| <b>RHS Chart - edition</b> | 2007.   |

**Origin and Breeding**

Controlled pollination followed by repeated *in vitro* progeny selection: seed parent *Cordyline australis* 'Albertii' x pollen parent *C. banksii* x *C. australis* 'Purple Tower'. In the early 1990s seedlings resulting from the above mentioned cross pollination were selected for evaluation as potential new cultivars. In 2002 a further selection of ten different unique plants was made by Lyder Enterprises Limited from several hundred progeny from the Duncan and Davies Contracting Limited mother stock plants.

These ten unique selections were initiated by Lyder Enterprises Ltd (LEL) into micro propagation and re-selected and evaluated for several years while being compared to existing similar varieties and the parent forms *in vitro* and *ex vitro*.

The final cycle of selection occurred in 2005/06 when 'LEL C03' was selected as a sport from the reselected progeny of the ten unique plants on the basis of its attractive pink leaf variegation, good rooting performance and good establishment performance in propagation. It was found to reproduce in a uniform and stable manner. The original seed parent is characterised by its green and cream coloured leaf variegation. The original pollen parent is characterised by an absence of leaf variegation and purple coloured leaf. Sibling varieties in the *in vitro* selection phase had poor rooting and establishment performance. The final selection took place in Zhejiang Academy of Agricultural Sciences, Zhejiang, Peoples Republic of China. Selection criteria: attractive, strong pink variegation present and good rooting and establishment performance in propagation. Propagation: vegetative, by micropropagation. Breeder: Lyder Enterprises Limited, Auckland, New Zealand.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| Organ/Plant Part | Context                         | State of Expression in Group of Varieties |
|------------------|---------------------------------|---|
| Leaf             | number of colours on upper side | two                                       |
| Leaf             | predominant colour group        | pink                                      |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| Name              | Comments                                |
|-------------------|---|
| 'Purple Sensation | <i>C. australis</i> x <i>C. banksii</i> |
| 'LELC01'          | <i>C. banksii</i> x <i>C. australis</i> |
| 'LELC02'          | <i>C. banksii</i> x <i>C. australis</i> |
| 'LELC04'          | <i>C. banksii</i> x <i>C. australis</i> |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety           | Distinguishing Characteristics                                       | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments  |
|-------------------|--|--|---|---|
| 'Red Star'        | Leaf number of colours on upper side                                 | two                                      | one                                       | Also has a narrower leaf and lighter leaf colour. |
| 'Jurassic Jade'   | Leaf Predominant colour group  | pink                                     | green                                     |   |
| 'Torbay Dazzler'  | Leaf Predominant colour group  | pink                                     | green                                     |   |
| un-named siblings | Plant propensity in propagation to grow roots and establish ex vitro | strong                                   | weak                                      |   |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context   | 'LEL C03' | 'LELC01' | 'LELC02' | 'LELC04'        | 'Purple Sensation' |
|---|-----------|----------|----------|-----------------|--------------------|
| <input checked="" type="checkbox"/> Plant: height of foliage                                | medium    | tall     | tall     | medium          | medium to tall     |
| <input checked="" type="checkbox"/> Stem: branching   | absent    | absent   | absent   | absent          | present            |
| <input checked="" type="checkbox"/> Leaf: length  | medium    | long     | long     | medium          | medium to long     |
| <input checked="" type="checkbox"/> Leaf: width at broadest part                            | medium    | broad    | broad    | medium to broad | medium             |
| <input type="checkbox"/> Leaf: number of colours on upper side                              | two       | two      | two      | two             | two                |
| <input checked="" type="checkbox"/> Leaf: main colour of upper side (RHS Colour Chart)      | 200B      | N200A    | N199A    | N200A           | 200B               |
| <input checked="" type="checkbox"/> Leaf: secondary colour of upper side (RHS Colour Chart) | ca 53C    | 181B     | 180D     | 47D             | 178A               |



|                                     |  |                     |                     |             |                     |              |
|-------------------------------------|--|---------------------|---------------------|-------------|---------------------|--------------|
| <input checked="" type="checkbox"/> | Leaf: distribution of secondary colour on upper side | margin zone         | margin zone         | middle zone | margin zone         | middle zone  |
| <input type="checkbox"/>            | Leaf: attitude of bottom half of leaf                | erect to semi-erect | erect to semi-erect | semi-erect  | erect to semi-erect | semi-erect   |
| <input checked="" type="checkbox"/> | Leaf: attitude of top half of leaf                   | semi-erect          | semi-erect          | weeping     | semi-erect          | semi-weeping |
| <input checked="" type="checkbox"/> | Leaf: glossiness of upper side                       | weak                | medium              | medium      | weak                | medium       |

#### **Characteristics Additional to the Descriptor/TG**

| <b>Organ/Plant Part:<br/>Context</b>                                      | <b>‘LEL C03’</b> | <b>‘LELC01’</b> | <b>‘LELC02’</b> | <b>‘LELC04’</b> | <b>‘Purple Sensation’</b> |
|---|------------------|-----------------|-----------------|-----------------|---------------------------|
| <input checked="" type="checkbox"/> Leaf: main colour of lower side (RHS) | 200B             | N200A           | N199A           | N200B           | 200B                      |

#### **Statistical Table**

| <b>Organ/Plant Part:<br/>Context</b>                 | <b>‘LEL C03’</b> | <b>‘LELC01’</b> | <b>‘LELC02’</b> | <b>‘LELC04’</b> | <b>‘Purple Sensation’</b> |
|--|------------------|-----------------|-----------------|-----------------|---------------------------|
| <input checked="" type="checkbox"/> Leaf: width (mm) |                  |                 |                 |                 |                           |
| Mean   | 24.20            | 37.50           | 38.30           | 30.40           | 26.20                     |
| Std. Deviation                                       | 1.90             | 3.10            | 2.30            | 1.50            | 3.10                      |
| LSD/sig  | 2.97             | P≤0.01          | P≤0.01          | P≤0.01          | ns                        |

#### **Prior Applications and Sales**

| <b>Country</b> | <b>Year</b> | <b>Current Status</b> | <b>Name Applied</b> |
|----------------|-------------|-----------------------|---------------------|
| EU             | 2006        | Applied               | ‘Sunrise’           |

Prior sale: Nil.

Description: **Ian Paananen**, Crop & Nursery Services, Central Coast, NSW.

Note: This is an amended description originally published in *Plant Varieties Journal* Vol. 22 No. 2.

**Details of Application**

|                           |   |
|---------------------------|---|
| <b>Application Number</b> | 2007/333  |
| <b>Variety Name</b>       | 'LEL C04'   |
| <b>Genus Species</b>      | <i>Cordyline australis</i> x <i>Cordyline banksii</i> |
| <b>Common Name</b>        | Cabbage Tree  |
| <b>Synonym</b>            | Southern Splendour                                    |
| <b>Accepted Date</b>      | 17 Dec 2008   |
| <b>Applicant</b>          | Lyder Enterprises Limited, Auckland, New Zealand      |
| <b>Agent</b>              | Crop & Nursery Services, Kincumber, NSW               |
| <b>Qualified Person</b>   | Ian Paananen  |

**Details of Comparative Trial**

|                            |  |
|----------------------------|--|
| <b>Location</b>            | Carabooda, WA.   |
| <b>Descriptor</b>          | <i>Cordyline</i> ( <i>Cordyline</i> spp) PBR CORD.   |
| <b>Period</b>              | Feb to May 2009.   |
| <b>Conditions</b>          | Trial conducted in open beds, plants originally propagated from micropropagation originally, finally planted into 200mm pots filled with soilless potting mix, nutrition maintained with slow release and liquid fertilisers, irrigation by overhead watering, pest and disease treatments not required. |
| <b>Trial Design</b>        | Fifteen pots of each variety arranged in a completely randomised design.   |
| <b>Measurements</b>        | From ten plants at random.   |
| <b>RHS Chart - edition</b> | 2007.  |

**Origin and Breeding**

Controlled pollination followed by repeated *in vitro* progeny selection: seed parent *Cordyline australis* 'Albertii' x pollen parent *C. banksii* x *C. australis* 'Purple Tower'. In the early 1990s seedlings resulting from the above mentioned cross pollination were selected for evaluation as potential new cultivars. In 2002 a further selection of ten different unique plants was made by Lyder Enterprises Limited from several hundred progeny from the Duncan and Davies Contracting Limited mother stock plants.

These ten unique selections were initiated by Lyder Enterprises Ltd (LEL) into micro propagation and re-selected and evaluated for several years while being compared to existing similar varieties and the parent forms *in vitro* and *ex vitro*.

The final cycle of selection occurred in 2005/06 when 'LEL C04' was selected as a sport from the reselected progeny of the ten unique plants on the basis of its attractive pink leaf variegation, good rooting performance and good establishment performance in propagation. It was found to reproduce in a uniform and stable manner. The original seed parent is characterised by its green and cream coloured leaf variegation. The original pollen parent is characterised by an absence of leaf variegation and purple coloured leaf. Sibling varieties in the *in vitro* selection phase had poor rooting and establishment performance. The final selection took place in Zhejiang Academy of Agricultural Sciences, Zhejiang, Peoples Republic of China. Selection criteria: attractive, strong pink variegation present and good rooting and establishment performance in propagation. Propagation: vegetative, by micropropagation. Breeder: Lyder Enterprises Limited, Auckland, New Zealand.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| Organ/Plant Part | Context                         | State of Expression in Group of Varieties |
|------------------|---------------------------------|---|
| Leaf             | number of colours on upper side | two                                       |
| Leaf             | predominant colour group        | pink                                      |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| Name               | Comments                                |
|--------------------|---|
| ‘Purple Sensation’ | <i>C. australis</i> x <i>C. banksii</i> |
| ‘LELC01’           | <i>C. banksii</i> x <i>C. australis</i> |
| ‘LELC02’           | <i>C. banksii</i> x <i>C. australis</i> |
| ‘LELC03’           | <i>C. banksii</i> x <i>C. australis</i> |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety           | Distinguishing Characteristics                                       | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments  |
|-------------------|--|--|---|---|
| ‘Red Star’        | Leaf number of colours on upper side                                 | two                                      | one                                       | Also has a narrower leaf and lighter leaf colour. |
| ‘Jurassic Jade’   | Leaf Predominant colour group  | pink                                     | green                                     |   |
| ‘Torbay Dazzler’  | Leaf Predominant colour group  | pink                                     | green                                     |   |
| un-named siblings | Plant propensity in propagation to grow roots and establish ex vitro | strong                                   | weak                                      |   |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context  | ‘LEL C04’       | ‘LELC01’ | ‘LELC02’ | ‘LELC03’ | ‘Purple Sensation’ |
|--|-----------------|----------|----------|----------|--------------------|
| <input checked="" type="checkbox"/> Plant: height of foliage                           | medium          | tall     | tall     | medium   | medium to tall     |
| <input checked="" type="checkbox"/> Stem: branching                                    | absent          | absent   | absent   | absent   | present            |
| <input checked="" type="checkbox"/> Leaf: length                                       | medium          | long     | long     | medium   | medium to long     |
| <input checked="" type="checkbox"/> Leaf: width at broadest part                       | medium to broad | broad    | broad    | medium   | medium             |
| <input type="checkbox"/> Leaf: number of colours on upper side                         | two             | two      | two      | two      | two                |
| <input checked="" type="checkbox"/> Leaf: main colour of upper side (RHS Colour Chart) | N200A           | N200A    | N199A    | 200B     | 200B               |
| <input checked="" type="checkbox"/> Leaf: secondary colour of upper side               | 47D             | 181B     | 180D     | ca 53C   | 178A               |

(RHS Colour Chart)

|                                     |  |                     |                     |             |                     |              |
|-------------------------------------|--|---------------------|---------------------|-------------|---------------------|--------------|
| <input checked="" type="checkbox"/> | Leaf: distribution of secondary colour on upper side | margin zone         | margin zone         | middle zone | margin zone         | middle zone  |
| <input type="checkbox"/>            | Leaf: attitude of bottom half of leaf                | erect to semi-erect | erect to semi-erect | semi-erect  | erect to semi-erect | semi-erect   |
| <input checked="" type="checkbox"/> | Leaf: attitude of top half of leaf                   | semi-erect          | semi-erect          | weeping     | semi-erect          | semi-weeping |
| <input checked="" type="checkbox"/> | Leaf: glossiness of upper side                       | weak                | medium              | medium      | weak                | medium       |

**Characteristics Additional to the Descriptor/TG**

| <b>Organ/Plant Part:<br/>Context</b>                                      | <b>'LEL C04'</b> | <b>'LELC01'</b> | <b>'LELC02'</b> | <b>'LELC03'</b> | <b>'Purple Sensation'</b> |
|---|------------------|-----------------|-----------------|-----------------|---------------------------|
| <input checked="" type="checkbox"/> Leaf: main colour of lower side (RHS) | N200B            | N200A           | N199A           | 200B            | 200B                      |

**Statistical Table**

| <b>Organ/Plant Part:<br/>Context</b>                 | <b>'LEL C04'</b> | <b>'LELC01'</b> | <b>'LELC02'</b> | <b>'LELC03'</b> | <b>'Purple Sensation'</b> |
|--|------------------|-----------------|-----------------|-----------------|---------------------------|
| <input checked="" type="checkbox"/> Leaf: width (mm) |                  |                 |                 |                 |                           |
| Mean   | 30.40            | 37.50           | 38.30           | 24.20           | 26.20                     |
| Std. Deviation                                       | 1.50             | 3.10            | 2.30            | 1.90            | 3.10                      |
| LSD/sig  | 2.97             | P≤0.01          | P≤0.01          | P≤0.01          | P≤0.01                    |

**Prior Applications and Sales**

| <b>Country</b> | <b>Year</b> | <b>Current Status</b> | <b>Name Applied</b>  |
|----------------|-------------|-----------------------|----------------------|
| EU             | 2006        | Applied               | 'Southern Splendour' |
| USA            | 2007        | Granted               | 'Southern Splendour' |

First sold in UK in Mar 2006 under the name 'Pacific Dawn'.

Description: **Ian Paananen**, Crop & Nursery Services, Central Coast, NSW.

Note: This is an amended description originally published in *Plant Varieties Journal* Vol. 22 No. 2.

**Details of Application**

|                           |   |
|---------------------------|---|
| <b>Application Number</b> | 2007/331  |
| <b>Variety Name</b>       | 'LEL C02'   |
| <b>Genus Species</b>      | <i>Cordyline australis</i> x <i>Cordyline banksii</i> |
| <b>Common Name</b>        | Cabbage Tree  |
| <b>Synonym</b>            | Nil   |
| <b>Accepted Date</b>      | 17 Dec 2008   |
| <b>Applicant</b>          | Lyder Enterprises Limited, Auckland, New Zealand      |
| <b>Agent</b>              | Crop & Nursery Services, Kincumber, NSW               |
| <b>Qualified Person</b>   | Ian Paananen  |

**Details of Comparative Trial**

|                            |   |
|----------------------------|---|
| <b>Location</b>            | Carabooda, WA.  |
| <b>Descriptor</b>          | <i>Cordyline</i> ( <i>Cordyline</i> spp.) PBR CORD.   |
| <b>Period</b>              | Feb to May 2009.  |
| <b>Conditions</b>          | Trial conducted in open beds, plants originally propagated from micropropagation, finally planted into 200mm pots filled with soilless potting mix, nutrition maintained with slow release and liquid fertilisers, irrigation by overhead watering, pest and disease treatments not required. |
| <b>Trial Design</b>        | Fifteen pots of each variety arranged in a completely randomised design.  |
| <b>Measurements</b>        | From ten plants at random.  |
| <b>RHS Chart - edition</b> | 2007.   |

**Origin and Breeding**

Controlled pollination followed by repeated *in vitro* progeny selection: seed parent *Cordyline australis* 'Albertii' x pollen parent *C. banksii* x *C. australis* 'Purple Tower'. In the early 1990s seedlings resulting from the above mentioned cross pollination were selected for evaluation as potential new cultivars. In 2002 a further selection of ten different unique plants was made by Lyder Enterprises Limited from several hundred progeny from the Duncan and Davies Contracting Limited mother stock plants.

These ten unique selections were initiated by Lyder Enterprises Ltd (LEL) into micro propagation and re-selected and evaluated for several years while being compared to existing similar varieties and the parent forms *in vitro* and *ex vitro*.

The final cycle of selection occurred in 2005/06 when 'LEL C02' was selected as a sport from the reselected progeny of the ten unique plants on the basis of its attractive pink leaf variegation, good rooting performance and good establishment performance in propagation. It was found to reproduce in a uniform and stable manner. The original seed parent is characterised by its green and cream coloured leaf variegation. The original pollen parent is characterised by an absence of leaf variegation and purple coloured leaf. Sibling varieties in the *in vitro* selection phase had poor rooting and establishment performance. The final selection took place in Zhejiang Academy of Agricultural Sciences, Zhejiang, Peoples Republic of China. Selection criteria: attractive, strong pink variegation present and good rooting and establishment performance in propagation. Propagation: vegetative, by micropropagation. Breeder: Lyder Enterprises Limited, Auckland, New Zealand.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| Organ/Plant Part | Context                         | State of Expression in Group of Varieties |
|------------------|---------------------------------|---|
| Leaf             | number of colours on upper side | two                                       |
| Leaf             | predominant colour group        | pink                                      |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| Name               | Comments                                |
|--------------------|---|
| ‘Purple Sensation’ | <i>C. australis</i> x <i>C. banksii</i> |
| ‘LELC01’           | <i>C. banksii</i> x <i>C. australis</i> |
| ‘LELC03’           | <i>C. banksii</i> x <i>C. australis</i> |
| ‘LELC04’           | <i>C. banksii</i> x <i>C. australis</i> |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety           | Distinguishing Characteristics                                       | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments  |
|-------------------|--|--|---|---|
| ‘Red Star’        | Leaf number of colours on upper side                                 | two                                      | one                                       | Also has a narrower leaf and lighter leaf colour. |
| ‘Jurassic Jade’   | Leaf Predominant colour group  | pink                                     | green                                     |   |
| ‘Torbay Dazzler’  | Leaf Predominant colour group  | pink                                     | green                                     |   |
| un-named siblings | Plant propensity in propagation to grow roots and establish ex vitro | strong                                   | weak                                      |   |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context  | ‘LEL C02’ | ‘LELC01’ | ‘LELC03’ | ‘LELC04’        | ‘Purple Sensation’ |
|--|-----------|----------|----------|-----------------|--------------------|
| <input checked="" type="checkbox"/> Plant: height of foliage                           | tall      | tall     | medium   | medium          | medium to tall     |
| <input checked="" type="checkbox"/> Stem: branching                                    | absent    | absent   | absent   | absent          | present            |
| <input checked="" type="checkbox"/> Leaf: length                                       | long      | long     | medium   | medium          | medium to long     |
| <input checked="" type="checkbox"/> Leaf: width at broadest part                       | broad     | broad    | medium   | medium to broad | medium             |
| <input type="checkbox"/> Leaf: number of colours on upper side                         | two       | two      | two      | two             | two                |
| <input checked="" type="checkbox"/> Leaf: main colour of upper side (RHS Colour Chart) | N199A     | N200A    | 200B     | N200A           | 200B               |
| <input checked="" type="checkbox"/> Leaf: secondary                                    | 180D      | 181B     | ca 53C   | 47D             | 178A               |

colour of upper side  
(RHS Colour Chart)

|  |             |                     |                     |                     |              |
|--|-------------|---------------------|---------------------|---------------------|--------------|
| <input checked="" type="checkbox"/> Leaf: distribution of secondary colour on upper side | middle zone | margin zone         | margin zone         | margin zone         | middle zone  |
| <input type="checkbox"/> Leaf: attitude of bottom half of leaf                           | semi-erect  | erect to semi-erect | erect to semi-erect | erect to semi-erect | semi-erect   |
| <input checked="" type="checkbox"/> Leaf: attitude of top half of leaf                   | weeping     | semi-erect          | semi-erect          | semi-erect          | semi-weeping |
| <input checked="" type="checkbox"/> Leaf: glossiness of upper side                       | medium      | medium              | weak                | weak                | medium       |

#### **Characteristics Additional to the Descriptor/TG**

| <b>Organ/Plant Part:<br/>Context</b>                                      | <b>'LEL C02'</b> | <b>'LELC01'</b> | <b>'LELC03'</b> | <b>'LELC04'</b> | <b>'Purple Sensation'</b> |
|---|------------------|-----------------|-----------------|-----------------|---------------------------|
| <input checked="" type="checkbox"/> Leaf: main colour of lower side (RHS) | N199A            | N200A           | 200B            | N200B           | 200B                      |

#### **Statistical Table**

| <b>Organ/Plant Part:<br/>Context</b>                 | <b>'LEL C02'</b> | <b>'LELC01'</b> | <b>'LELC03'</b> | <b>'LELC04'</b> | <b>'Purple Sensation'</b> |
|--|------------------|-----------------|-----------------|-----------------|---------------------------|
| <input checked="" type="checkbox"/> Leaf: width (mm) |                  |                 |                 |                 |                           |
| Mean   | 38.30            | 37.50           | 24.20           | 30.40           | 26.20                     |
| Std. Deviation                                       | 2.30             | 3.10            | 1.90            | 1.50            | 3.10                      |
| LSD/sig  | 2.97             | ns              | P≤0.01          | P≤0.01          | P≤0.01                    |

#### **Prior Applications and Sales**

| <b>Country</b> | <b>Year</b> | <b>Current Status</b> | <b>Name Applied</b> |
|----------------|-------------|-----------------------|---------------------|
| EU             | 2006        | Applied               | 'LEL C02'           |

Prior sale nil.

Description: **Ian Paananen**, Crop & Nursery Services, Central Coast, NSW.

Note: This is an amended description originally published in *Plant Varieties Journal* Vol. 22 No. 2.

**Details of Application**

|                           |   |
|---------------------------|---|
| <b>Application Number</b> | 2009/051  |
| <b>Variety Name</b>       | '44C79'   |
| <b>Genus Species</b>      | <i>Brassica napus</i>                             |
| <b>Coon Name</b>          | Canola  |
| <b>Synonym</b>            | Nil   |
| <b>Accepted Date</b>      | 10 Apr 2009                                       |
| <b>Applicant</b>          | Pioneer Hi-Bred International, Inc., USA          |
| <b>Agent</b>              | Pioneer Hi-Bred Australia Pty Ltd, Toowoomba, QLD |
| <b>Qualified Person</b>   | Rob Wilson  |

**Details of Comparative Trial**

|                     |  |
|---------------------|--|
| <b>Location</b>     | Wagga Wagga, NSW   |
| <b>Descriptor</b>   | Canola/Rapeseed UPOV TG/36/6   |
| <b>Period</b>       | May 2010 - December 2010   |
| <b>Conditions</b>   | Field trial conducted on Red Brown Sandy Loam soil supplemented with Nitrogen and Phosphorus fertilisers |
| <b>Trial Design</b> | 0.5m wide x 3 m long field plots. 4 replicates of each variety arranged in a randomised block design     |
| <b>Measurements</b> | 15 samples selected at random for each replicate of each variety   |

**Origin and Breeding**

Controlled pollination: '44C73' x 'AG-Castle'. Original crossings and doubled haploid production was done in Caledon, Ontario, Canada in 2004. All subsequent nursery evaluation and yield trials were conducted in Wagga Wagga, NSW, Australia. The breeding material underwent five cycles of selection with the selection criteria: tolerance to Imazamox (IMI), maturity, blackleg resistance, general vigour, oil and protein content. The variety has been maintained in the true form for more than three generations. The seed parent is susceptible to black leg disease whereas the candidate is moderately resistant. The pollen parent is susceptible to imidazolinone herbicide whereas the candidate is resistant to it.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Coon Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>       | <b>State of Expression in Group of Varieties</b> |
|-------------------------|----------------------|--|
| Plant                   | black leg resistance | moderately resistant                             |
| Plant                   | maturity             | early to medium                                  |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b> | <b>Comments</b>                        |
|-------------|--|
| '44C73'     | most similar variety of coon knowledge |

**Varieties of Common Knowledge identified and subsequently excluded**

| <b>Variety</b>    | <b>Distinguishing Characteristics</b> | <b>State of Expression in Candidate Variety</b> | <b>State of Expression in Comparator Variety</b> |
|-------------------|---------------------------------------|---|--|
| 'Ag-Castle' Plant | Imidazolinon resistance               | resistant                                       | susceptible                                      |



**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| <b>Organ/Plant Part: Context</b>   | <b>'44C79'</b>  | <b>'44C73'</b>      |
|--|-----------------|---------------------|
| <input type="checkbox"/> *Seed: erucic acid  | present         | present             |
| <input type="checkbox"/> Cotyledon: length   | medium          | medium              |
| <input type="checkbox"/> Cotyledon: width  | medium          | medium              |
| <input type="checkbox"/> *Leaf: green colour   | light           | light               |
| <input type="checkbox"/> *Leaf: lobes  | present         | present             |
| <input type="checkbox"/> *Leaf: number of lobes  | medium          | many                |
| <input type="checkbox"/> *Leaf: dentation of margin  | medium          | medium to strong    |
| <input type="checkbox"/> Leaf: length  | medium          | medium              |
| <input type="checkbox"/> Leaf: width   | medium          | medium              |
| <input type="checkbox"/> Leaf: length of petiole (varieties with lobed leaves only)                | medium          | medium              |
| <input type="checkbox"/> *Time of: flowering   | early           | very early to early |
| <input type="checkbox"/> *Flower: colour of petals   | yellow          | yellow              |
| <input type="checkbox"/> Flower: length of petals  | medium          | medium              |
| <input type="checkbox"/> Flower: width of petals   | medium          | medium              |
| <input type="checkbox"/> Production of: pollen   | present         | present             |
| <input type="checkbox"/> Plant: height at full flowering   | low to medium   | low to medium       |
| <input type="checkbox"/> *Plant: total length including side branches                              | short to medium | short to medium     |
| <input type="checkbox"/> Siliqua: length   | medium          | medium              |
| <input type="checkbox"/> Siliqua: length of beak   | medium          | medium              |
| <input type="checkbox"/> Siliqua: length of peduncle   | medium          | medium              |
| <input type="checkbox"/> Tendency to form inflorescences in year of sowing: for spring sown trials | strong          | strong              |
| <input type="checkbox"/> Tendency to form inflorescences in year of sowing: for late sown trials   | strong          | strong              |

**Characteristics Additional to the Descriptor/TG**

| <b>Organ/Plant Part: Context</b>                               | <b>'44C79'</b>       | <b>'44C73'</b> |
|--|----------------------|----------------|
| <input checked="" type="checkbox"/> Plant: Blackleg resistance | moderately resistant | low            |

**Statistical Table**

| <b>Organ/Plant Part: Context</b>                         | <b>'44C79'</b> | <b>'44C73'</b> |
|--|----------------|----------------|
| <input type="checkbox"/> Leaf: length(cm)                |                |                |
| Mean   | 18.54          | 18.41          |
| Std. Deviation   | 1.48           | 1.59           |
| LSD/sig  | 0.73           | ns             |
| <input type="checkbox"/> Leaf: width(cm)                 |                |                |
| Mean   | 8.09           | 8.06           |
| Std. Deviation   | 1.16           | 1.36           |
| LSD/sig  | 0.56           | ns             |
| <input type="checkbox"/> Petal: length(mm)               |                |                |
| Mean   | 14.81          | 15.20          |
| Std. Deviation   | 1.09           | 1.04           |
| LSD/sig  | 0.46           | ns             |
| <input checked="" type="checkbox"/> Petal: width(mm)     |                |                |
| Mean   | 5.97           | 6.75           |
| Std. Deviation   | 0.65           | 0.61           |
| LSD/sig  | 0.31           | P≤0.01         |
| <input type="checkbox"/> Petal: length width ratio       |                |                |
| Mean   | 2.48           | 2.25           |
| Std. Deviation   | 1.67           | 1.71           |
| LSD/sig  | 0.73           | ns             |
| <input type="checkbox"/> Plant: height(cm)               |                |                |
| Mean   | 109.44         | 108.33         |
| Std. Deviation   | 50.16          | 49.23          |
| LSD/sig  | 53.81          | ns             |
| <input checked="" type="checkbox"/> Siliqua: length(mm)  |                |                |
| Mean   | 53.23          | 56.43          |
| Std. Deviation   | 3.37           | 5.34           |
| LSD/sig  | 2.40           | P≤0.01         |
| <input type="checkbox"/> Siliqua: length of beak(mm)     |                |                |
| Mean   | 11.48          | 11.43          |
| Std. Deviation   | 1.44           | 1.99           |
| LSD/sig  | .088           | ns             |
| <input type="checkbox"/> Siliqua: length of peduncle(mm) |                |                |
| Mean   | 20.51          | 18.90          |
| Std. Deviation   | 3.36           | 3.91           |
| LSD/sig  | 1.73           | ns             |
| <input checked="" type="checkbox"/> Siliqua: width(mm)   |                |                |
| Mean   | 4.68           | 5.50           |
| Std. Deviation   | 0.35           | 0.49           |
| LSD/sig  | 0.22           | P≤0.01         |

**Prior Applications and Sales**

Nil.

Description: **Robert Wilson**, Wagga Wagga, NSW.

**Details of Application**

|                           |   |
|---------------------------|---|
| <b>Application Number</b> | 2009/052  |
| <b>Variety Name</b>       | 43C80   |
| <b>Genus Species</b>      | <i>Brassica napus</i>                             |
| <b>Common Name</b>        | Canola  |
| <b>Synonym</b>            | Nil   |
| <b>Accepted Date</b>      | 10 Apr 2009                                       |
| <b>Applicant</b>          | Pioneer Hi-Bred International, Inc., USA          |
| <b>Agent</b>              | Pioneer Hi-Bred Australia Pty Ltd, Toowoomba, QLD |
| <b>Qualified Person</b>   | Rob Wilson  |

**Details of Comparative Trial**

|                     |   |
|---------------------|---|
| <b>Location</b>     | Wagga Wagga, NSW  |
| <b>Descriptor</b>   | UPOV TG/36/6 <i>Brassica napus</i>  |
| <b>Period</b>       | May 2010 - December 2010  |
| <b>Conditions</b>   | Field trial conducted on red brown sandy loam soil supplemented with nitrogen and phosphorus fertilisers. |
| <b>Trial Design</b> | 0.5m wide x 3m long field plots, 4 replicates of each variety arranged in a randomised block design       |
| <b>Measurements</b> | Fifteen samples selected at random for each replicate of each variety                                     |

**Origin and Breeding**

Controlled pollination: '44C73' x 'Rivette'. Original crossings and doubled haploid production was done in Caledon, Ontario, Canada in 2004 All subsequent nursery evaluation and yield trials were conducted in Wagga Wagga, NSW, Australia. The breeding material underwent five cycles of selection with the selection criteria – tolerance to Imazamox (IMI), maturity, blackleg resistance, general vigour, oil and protein content. The variety has been maintained in the true form for more than three generations. The seed parent is susceptible to black leg disease whereas the candidate is moderately resistant. The pollen parent is susceptible to imidazolinone herbicide whereas the candidate is resistant to it.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>      | <b>State of Expression in Group of Varieties</b> |
|-------------------------|---------------------|--|
| Plant                   | maturity            | early-mid (4)                                    |
| Plant                   | blackleg resistance | susceptible                                      |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b> | <b>Comments</b> |
|-------------|-----------------|
| '44C73'     |                 |

**Varieties of Common Knowledge identified and subsequently excluded**

| <b>Variety</b> | <b>Distinguishing Characteristics</b>      | <b>State of Expression in Candidate Variety</b> | <b>State of Expression in Comparator Variety</b> | <b>Comments</b> |
|----------------|--|---|--|-----------------|
| 'Rivette'      | Plant herbicide resistance (imidazolinone) | resistant                                       | susceptible                                      |                 |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| <b>Organ/Plant Part: Context</b>  | <b>'43C80'</b>      | <b>'44C73'</b>  |
|---|---------------------|-----------------|
| <input type="checkbox"/> *Seed: erucic acid   | present             | absent          |
| <input type="checkbox"/> *Leaf: green colour  | light               | light           |
| <input type="checkbox"/> *Leaf: lobes   | present             | present         |
| <input type="checkbox"/> *Leaf: number of lobes   | medium              | medium          |
| <input type="checkbox"/> *Leaf: dentation of margin   | medium              | medium          |
| <input type="checkbox"/> Leaf: length   | medium              | medium          |
| <input type="checkbox"/> Leaf: width  | medium              | medium          |
| <input checked="" type="checkbox"/> *Time of: flowering   | very early to early | early to medium |
| <input type="checkbox"/> *Flower: colour of petals  | yellow              | yellow          |
| <input type="checkbox"/> Flower: length of petals   | medium              | medium          |
| <input type="checkbox"/> Flower: width of petals  | medium              | medium          |
| <input type="checkbox"/> Production of: pollen  | present             | present         |
| <input type="checkbox"/> Plant: height  | low to medium       | low to medium   |
| <input type="checkbox"/> *Plant: total length including side branches                                   | short to medium     | short to medium |
| <input type="checkbox"/> Siliqua: length  | medium              | medium          |
| <input type="checkbox"/> Siliqua: length of beak  | medium              | medium          |
| <input type="checkbox"/> Siliqua: length of peduncle  | medium              | medium          |
| <input type="checkbox"/> Tendency to: form inflorescences in year of sowing for spring sown trials      | strong              | strong          |
| <input type="checkbox"/> Tendency to: form inflorescences in year of sowing for late summer sown trials | strong              | strong          |

**Statistical Table**

| <b>Organ/Plant Part: Context</b>                    | <b>'43C80'</b> | <b>'44C73'</b> |
|---|----------------|----------------|
| <input type="checkbox"/> Leaf: length(cm)           |                |                |
| Mean  | 17.64          | 18.41          |
| Std. Deviation                                      | 1.54           | 1.59           |
| LSD/sig   | 0.73           | ns             |
| <input checked="" type="checkbox"/> Leaf: width(cm) |                |                |
| Mean  | 7.48           | 8.06           |
| Std. Deviation                                      | 1.17           | 1.36           |
| LSD/sig   | 0.56           | P≤0.01         |

|                                     |                                 |        |        |
|-------------------------------------|---------------------------------|--------|--------|
| <input type="checkbox"/>            | Petal: length(mm)               |        |        |
|                                     | Mean                            | 14.75  | 15.20  |
|                                     | Std. Deviation                  | 0.74   | 1.04   |
|                                     | LSD/sig                         | 0.46   | ns     |
|                                     | Means Separation                |        |        |
| <input checked="" type="checkbox"/> | Petal: width(mm)                |        |        |
|                                     | Mean                            | 6.38   | 6.75   |
|                                     | Std. Deviation                  | 0.70   | 0.61   |
|                                     | LSD/sig                         | 0.31   | P≤0.01 |
| <input type="checkbox"/>            | Petal: length width ratio       |        |        |
|                                     | Mean                            | 2.31   | 2.25   |
|                                     | Std. Deviation                  | 1.07   | 1.71   |
|                                     | LSD/sig                         | 0.73   | ns     |
| <input type="checkbox"/>            | Plant: height(cm)               |        |        |
|                                     | Mean                            | 116.67 | 108.33 |
|                                     | Std. Deviation                  | 49.94  | 49.23  |
|                                     | LSD/sig                         | 53.81  | ns     |
| <input checked="" type="checkbox"/> | Siliqua: length(mm)             |        |        |
|                                     | Mean                            | 50.44  | 56.43  |
|                                     | Std. Deviation                  | 6.09   | 5.34   |
|                                     | LSD/sig                         | 2.40   | P≤0.01 |
|                                     | Means Separation                |        |        |
| <input type="checkbox"/>            | Siliqua: length of beak(mm)     |        |        |
|                                     | Mean                            | 11.23  | 11.43  |
|                                     | Std. Deviation                  | 2.16   | 1.99   |
|                                     | LSD/sig                         | 0.88   | ns     |
| <input checked="" type="checkbox"/> | Siliqua: length of peduncle(mm) |        |        |
|                                     | Mean                            | 20.87  | 18.90  |
|                                     | Std. Deviation                  | 3.69   | 3.91   |
|                                     | LSD/sig                         | 1.73   | P≤0.01 |
|                                     | Means Separation                |        |        |
| <input checked="" type="checkbox"/> | Siliqua: width(mm)              |        |        |
|                                     | Mean                            | 4.86   | 5.50   |
|                                     | Std. Deviation                  | 0.54   | 0.49   |
|                                     | LSD/sig                         | 0.22   | P≤0.01 |

**Prior Applications and Sales**

Nil.

Description: **Rob Wilson**, Wagga Wagga, NSW.

**Details of Application**

|                           |                                       |
|---------------------------|---------------------------------------|
| <b>Application Number</b> | 2012/051                              |
| <b>Variety Name</b>       | 'Jackpot TT'                          |
| <b>Genus Species</b>      | <i>Brassica napus</i>                 |
| <b>Common Name</b>        | Canola                                |
| <b>Synonym</b>            | Nil                                   |
| <b>Accepted Date</b>      | 18 Apr 2012                           |
| <b>Applicant</b>          | Pacific Seeds Pty Ltd, Toowoomba, Qld |
| <b>Agent</b>              | Nil                                   |
| <b>Qualified Person</b>   | Ross Downes                           |

**Details of Comparative Trial**

|                            |   |
|----------------------------|---|
| <b>Location</b>            | Young, NSW  |
| <b>Descriptor</b>          | Canola/Rape Seed – UPOV TG/ 36/6 Corr.                |
| <b>Period</b>              | winter - spring 2102                                  |
| <b>Conditions</b>          | Dryland conditions                                    |
| <b>Trial Design</b>        | Randomised block of 10 m plots with four replications |
| <b>Measurements</b>        | 20 random samples were taken from each of the 4 reps. |
| <b>RHS Chart - edition</b> | N/A   |

**Origin and Breeding**

Controlled pollination: The variety was developed from an F1 cross made in 2006 between the female parent BT2086 and a DPI Victoria conventional breeding pollen parent line, BC1864. An F1 plant was used to create a dihaploid breeding population. selection were made based on triazine tolerance, blackleg resistance and maturity, the line was coded T2447 in 2008. During the 2008 and 2009 winter seasons T2447 was evaluated at a number of locations in New South Wales, Victoria, South Australia and Western Australia where it was selected for yield performance, oil content, agronomic type and disease resistance. A summer seed increase of T2447 was completed in Tasmania in 2009/2010 and further seed increase in 2010 in New South Wales where no off types were identified. The breeding line T2447 is to be PBR registered as Jackpot TT. Breeder: Andrew Easton, Pacific Seeds Pty Ltd, Toowoomba, Qld

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>      | <b>State of Expression in Group of Varieties</b> |
|-------------------------|---------------------|--|
| Plant                   | triazine tolerance  | presence   |
| Plant                   | blackleg resistance | present  |
| Plant                   | flowering time      | medium   |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b>    | <b>Comments</b> |
|----------------|-----------------|
| 'ATR Barra'    |                 |
| 'Fighter TT'   |                 |
| 'Hurricane TT' |                 |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety       | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments |
|---------------|--------------------------------|--|---|----------|
| 'Tawriffic'   | Plant Blackleg resistance      | moderate resistant                       | moderate susceptible                      |          |
| 'Crusher TT'  | Plant Blackleg resistance      | moderate resistant                       | moderate susceptible                      |          |
| 'ATR Cobbler' | Plant flowering time           | medium late                              | early                                     |          |
| 'ATR-Marlin'  | Plant flowering time           | medium late                              | early                                     |          |
| 'Thunder TT'  | Plant flowering time           | medium late                              | late                                      |          |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context  | 'Jackpot TT'   | 'ATR Barra' | 'Fighter TT' | 'Hurricane TT' |
|--|----------------|-------------|--------------|----------------|
| <input type="checkbox"/> *Seed: erucic acid  | absent         | absent      | absent       | absent         |
| <input checked="" type="checkbox"/> *Leaf: green colour  | dark           | medium      | medium       | medium to dark |
| <input checked="" type="checkbox"/> *Leaf: lobes   | present        | absent      | present      | present        |
| <input checked="" type="checkbox"/> *Leaf: number of lobes   | many           | few         | few          | many           |
| <input type="checkbox"/> *Leaf: dentation of margin  | medium         | medium      | medium       | medium         |
| <input checked="" type="checkbox"/> Leaf: length   | long           | medium      | short        | short          |
| <input checked="" type="checkbox"/> Leaf: width  | broad          | broad       | narrow       | medium         |
| <input type="checkbox"/> Leaf: length of petiole (varieties with lobed leaves only)                | long           | -           | short        | short          |
| <input type="checkbox"/> *Time of: flowering   | medium to late | medium      | medium       | medium         |
| <input type="checkbox"/> *Flower: colour of petals   | yellow         | yellow      | yellow       | yellow         |
| <input type="checkbox"/> Flower: length of petals  | medium         | medium      | medium       | medium         |
| <input type="checkbox"/> Flower: width of petals   | medium         | medium      | medium       | medium         |
| <input type="checkbox"/> Production of: pollen   | present        | present     | present      | present        |
| <input type="checkbox"/> Plant: height at full flowering   | medium         | medium      | low          | low            |
| <input checked="" type="checkbox"/> *Plant: total length including side branches                   | medium         | medium      | short        | short          |
| <input checked="" type="checkbox"/> Siliqua: length  | long           | short       | short        | medium         |
| <input checked="" type="checkbox"/> Siliqua: length of beak  | medium         | long        | short        | very short     |
| <input checked="" type="checkbox"/> Siliqua: length of peduncle                                    | long           | medium      | short        | medium         |
| <input type="checkbox"/> Tendency to form inflorescences in year of sowing: for spring sown trials | very strong    | very strong | very strong  | very strong    |



|                          |  |             |             |             |             |
|--------------------------|--|-------------|-------------|-------------|-------------|
| <input type="checkbox"/> | Tendency to form inflorescences in year of sowing: for late summer sown trials | very strong | very strong | very strong | very strong |
|--------------------------|--|-------------|-------------|-------------|-------------|

### **Statistical Table**

| <b>Organ/Plant Part: Context</b>                                     | <b>'Jackpot TT'</b> | <b>'ATR-Barra'</b> | <b>'Fighter TT'</b> | <b>'Hurricane'</b> |
|--|---------------------|--------------------|---------------------|--------------------|
| <input checked="" type="checkbox"/> Leaf: lobe number                |                     |                    |                     |                    |
| Mean   | 5.3                 | 2.8                | 4.0                 | 5.2                |
| Std. Deviation   | 0.8                 | 1.5                | 0.8                 | 0.7                |
| LSD/sig  | 0.63                | P≤0.01             | P≤0.01              | ns                 |
| <input checked="" type="checkbox"/> Leaf: length (cm)                |                     |                    |                     |                    |
| Mean   | 23.4                | 19.6               | 17.0                | 17.5               |
| Std. Deviation   | 2.1                 | 2.7                | 2.9                 | 2.4                |
| LSD/sig  | 1.5                 | P≤0.01             | P≤0.01              | P≤0.01             |
| <input checked="" type="checkbox"/> Leaf: width (cm)                 |                     |                    |                     |                    |
| Mean   | 9.8                 | 10.0               | 7.4                 | 8.3                |
| Std. Deviation   | 1.2                 | 1.1                | 1.2                 | 0.9                |
| LSD/sig  | 0.7                 | ns                 | P≤0.01              | P≤0.01             |
| <input checked="" type="checkbox"/> Leaf: length of petiole (cm)     |                     |                    |                     |                    |
| Mean   | 11.3                |                    | 7.7                 | 8.2                |
| Std. Deviation   | 1.9                 |                    | 2.0                 | 2.2                |
| LSD/sig  | 1.1                 |                    | P≤0.01              | P≤0.01             |
| <input checked="" type="checkbox"/> Plant:total length (cm)          |                     |                    |                     |                    |
| Mean   | 109.0               | 109.4              | 96.5                | 96.3               |
| Std. Deviation   | 6.8                 | 6.4                | 7.5                 | 6.0                |
| LSD/sig  | 2.7                 | ns                 | P≤0.01              | P≤0.01             |
| <input checked="" type="checkbox"/> Siliqua: length (mm)             |                     |                    |                     |                    |
| Mean   | 60.0                | 51.4               | 47.7                | 54.1               |
| Std. Deviation   | 5.3                 | 5.9                | 6.5                 | 8.1                |
| LSD/sig  | 2.6                 | P≤0.01             | P≤0.01              | P≤0.01             |
| <input checked="" type="checkbox"/> Siliqua: length of beak (mm)     |                     |                    |                     |                    |
| Mean   | 8.3                 | 10.0               | 7.2                 | 5.7                |
| Std. Deviation   | 1.9                 | 2.3                | 2.3                 | 1.3                |
| LSD/sig  | 0.86                | P≤0.01             | P≤0.01              | P≤0.01             |
| <input checked="" type="checkbox"/> Siliqua: length of peduncle (mm) |                     |                    |                     |                    |
| Mean   | 29.2                | 19.8               | 17.9                | 19.7               |
| Std. Deviation   | 3.8                 | 3.2                | 2.8                 | 3.0                |
| LSD/sig  | 1.4                 | P≤0.01             | P≤0.01              | P≤0.01             |

### **Prior Applications and Sales**

Nil.

Description: **Ross Downes**, Moryua, NSW.

**Details of Application**

|                           |                                  |
|---------------------------|----------------------------------|
| <b>Application Number</b> | 2012/007                         |
| <b>Variety Name</b>       | 'Little Silver'                  |
| <b>Genus Species</b>      | <i>Olearia axillaris</i>         |
| <b>Common Name</b>        | Coastal Daisy Bush               |
| <b>Synonym</b>            | Nil                              |
| <b>Accepted Date</b>      | 02 Feb 2012                      |
| <b>Applicant</b>          | George A Lullfitz, Wanneroo , WA |
| <b>Agent</b>              | n/a                              |
| <b>Qualified Person</b>   | Peter Abell                      |

**Details of Comparative Trial**

|                            |  |
|----------------------------|--|
| <b>Location</b>            | Caporn street, Wanneroo, WA  |
| <b>Descriptor</b>          | General Descriptor   |
| <b>Period</b>              | August 2011 to January 2012  |
| <b>Conditions</b>          | Potted into 140mm containers and placed under overhead irrigation. The plants were rowed and blocked in full sun with limited influence from the surrounding environment. A single application of CRF fertiliser at potting lasted the trial period. |
| <b>Trial Design</b>        | Plants were potted and placed into single rows of candidate in one row with the comparator beside. There were 15 plants of each variety  |
| <b>Measurements</b>        | Observations were made on plants parts. The data taken reflects the characteristics of the candidate variety and how it differs from the most similar VCK  |
| <b>RHS Chart - edition</b> | 2007   |

**Origin and Breeding**

Phenotypic selection: During September 2009 a selection of an atypical compact dense growth and strongly silver leaved form from within a population of the species at Lancelin WA. November 2009, vegetative propagation from selection (generation 1). In March 2010 further testing based on the initial propagation and production responses were done. In April 2010 the plants were repropagated (generation 2), potted and evaluated for habit and agronomic traits. In July 2011 the final assessment was done. In July 2011 cutting propagation was done from this mother stock (generation 3). October 2011-Trials planted for final testing and comparison purposes. The variety 'Little Silver' demonstrates the characters for which it was selected. All generations were uniform and stable with no off types being observed. Breeder, George A Lullfitz.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>  | <b>State of Expression in Group of Varieties</b> |
|-------------------------|-----------------|--|
| Plant                   | type            | shrub  |
| Leaf                    | length of blade | medium   |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b>  | <b>Comments</b>   |
|--------------|---|
| Compact form | This is the closest of the two compact forms of the species |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety         | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments   |
|-----------------|--------------------------------|--|---|--|
| 'Little Smokie' | Leaf shape                     | obovate                                  | broadly ovate                             | This variety was excluded from the comparative trial due to its very different rounded leaves. |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context  | Little Silver    | Compact form      |
|--|------------------|-------------------|
| <input type="checkbox"/> Plant: type                                 | shrub            | shrub             |
| <input type="checkbox"/> Plant: growth habit                         | bushy            | bushy             |
| <input checked="" type="checkbox"/> Plant: height                    | short            | medium            |
| <input type="checkbox"/> Plant: width                                | medium           | medium            |
| <input checked="" type="checkbox"/> Stem: degree of hairiness        | medium to high   | high to very high |
| <input type="checkbox"/> Stem: thorns, prickles, spines etc          | absent           | absent            |
| <input type="checkbox"/> Stem: presence of anthocyanin in new growth | absent           | absent            |
| <input type="checkbox"/> Leaf: leaf type                             | simple           | simple            |
| <input checked="" type="checkbox"/> Leaf: size                       | medium           | small             |
| <input type="checkbox"/> Leaf: attitude                              | semi-erect       | semi-erect        |
| <input type="checkbox"/> Leaf: arrangement                           | alternate        | alternate         |
| <input checked="" type="checkbox"/> Leaf: length of blade            | medium           | short             |
| <input type="checkbox"/> Leaf: width of blade                        | narrow to medium | narrow            |
| <input type="checkbox"/> Leaf: length of petiole                     | very short       | very short        |
| <input checked="" type="checkbox"/> Leaf: shape                      | obovate          | elliptic          |
| <input type="checkbox"/> Leaf: shape of apex                         | obtuse           | obtuse            |
| <input type="checkbox"/> Leaf: shape of base                         | cuneate          | cuneate           |
| <input type="checkbox"/> Leaf: incision of margin                    | absent           | absent            |
| <input type="checkbox"/> Leaf: shape of cross-section                | concave          | concave           |
| <input type="checkbox"/> Leaf: curvature of longitudinal axis        | straight         | straight          |
| <input type="checkbox"/> Leaf: glossiness of upper side              | very weak        | very weak         |
| <input checked="" type="checkbox"/> Leaf: green colour               | light            | very light        |
| <input type="checkbox"/> Leaf: presence of variegation               | absent           | absent            |

**Prior Applications and Sales**

Nil

Description: Peter Abell, SPROCZ Pty Ltd, Bilpin, NSW.

**Details of Application**

|                           |  |
|---------------------------|--|
| <b>Application Number</b> | 2011/049   |
| <b>Variety Name</b>       | 'WES04'  |
| <b>Genus Species</b>      | <i>Westringia fruticosa</i>                          |
| <b>Common Name</b>        | Coastal Rosemary                                     |
| <b>Synonym</b>            | Nil  |
| <b>Accepted Date</b>      | 13 May 2011  |
| <b>Applicant</b>          | NuFlora International Pty Ltd, Macquarie Fields, NSW |
| <b>Agent</b>              | Ozbreed Pty Ltd, Clarendon, NSW                      |
| <b>Qualified Person</b>   | Peter Abell  |

**Details of Comparative Trial**

|                            |  |
|----------------------------|--|
| <b>Location</b>            | Ozbreed, Cupitts Lane, Clarendon, NSW  |
| <b>Descriptor</b>          | National Descriptor for <i>Westringia</i> (PBR WEST)   |
| <b>Period</b>              | October 2011 to August 2012  |
| <b>Conditions</b>          | Open nursery area (full sun) with automatic overhead irrigation. Climatic conditions typical for the area near Windsor for the summer to winter period of the trial. Plants were potted into 200mm standard pots and fertilised with a single top dressing of controlled release fertiliser, which lasted for the period of the trial. |
| <b>Trial Design</b>        | Two blocks each containing 15 plants of each of the candidate and nearest variety of common knowledge (VCK). All plants were reproduced from cuttings.   |
| <b>Measurements</b>        | The data taken reflects the characteristics of the candidate variety and how it differs from the most similar VCK.   |
| <b>RHS Chart - edition</b> | 2007   |

**Origin and Breeding**

Controlled pollination: 'WES04' originated from a controlled pollination of *Westringia fruticosa* breeding lines in September 2004. The seed parent was characterised by medium plant height and the pollen parent was characterised by tall plant height. The seed from the cross was sown in March 2005. Growth of several seedlings took place, which were transplanted to the field from 100mm pots at the Plant Breeding Institute, Cobbitty in October 2005. In October 2009 a single seedling was selected as a promising plant for commercial use based on its dense growth habit. Trials and evaluation continued from 2009 to January 2012 to confirm DUS. Breeder: NuFlora International Pty Ltd, Macquarie Fields, NSW.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b> | <b>State of Expression in Group of Varieties</b> |
|-------------------------|----------------|--|
| Plant                   | height         | short  |
| Plant                   | growth habit   | rounded  |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b> | <b>Comments</b>  |
|-------------|--|
| 'Milky Way' | 'Milky Way' is the closest variety based on growth habit, height and flower colour |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety    | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments  |
|------------|--------------------------------|--|---|---|
| 'Sea Foam' | Leaf length                    | short                                    | medium to long                            | This variety was excluded based on the larger leaf size |
| 'Zena'     | Plant growth habit             | upright                                  | open spreading                            |   |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context   | 'WES04'           | 'Milky Way'       |
|---|-------------------|-------------------|
| <input checked="" type="checkbox"/> Plant: growth habit                 | upright           | open spreading    |
| <input type="checkbox"/> Plant: attitude of branches                    | erect             | semi-erect        |
| <input type="checkbox"/> Plant: height                                  | short             | very short        |
| <input checked="" type="checkbox"/> Stem: colour (RHS colour chart)     | 146B              | 137B              |
| <input type="checkbox"/> Stem: length of internode                      | short             | very short        |
| <input type="checkbox"/> Stem: hairiness                                | strong            | very strong       |
| <input type="checkbox"/> Stem: colour of hairs                          | whitish           | whitish           |
| <input type="checkbox"/> Stem: hairs (type)                             | pilose            | pilose            |
| <input type="checkbox"/> Leaf: length                                   | short             | very short        |
| <input type="checkbox"/> Leaf: width                                    | narrow to medium  | narrow to medium  |
| <input checked="" type="checkbox"/> Leaf: shape                         | ovate             | narrow elliptic   |
| <input type="checkbox"/> Leaf: apex                                     | acute             | acute             |
| <input type="checkbox"/> Leaf: base                                     | obtuse            | cuneate           |
| <input type="checkbox"/> Leaf: arrangement                              | whorled           | whorled           |
| <input type="checkbox"/> Leaf: upper side hairiness                     | very weak to weak | very weak to weak |
| <input type="checkbox"/> Leaf: upper side hairiness colour              | whitish           | whitish           |
| <input type="checkbox"/> Leaf: upper side colour (RHS chart)            | 139A              | 139A              |
| <input type="checkbox"/> Leaf: upper side hairs type                    | simple            | simple            |
| <input type="checkbox"/> Leaf: lower side hairiness                     | strong            | strong            |
| <input type="checkbox"/> Leaf: lower side hairiness colour              | whitish           | whitish           |
| <input checked="" type="checkbox"/> Leaf: lower side colour (RHS chart) | 189D              | 148D              |
| <input type="checkbox"/> Leaf: lower side hairs type                    | solitary          | solitary          |

**Prior Applications and Sales**

Nil.

Description: **Peter Abell**, SPROCZ Pty Ltd, Bilpin, NSW.

**Details of Application**

|                           |  |
|---------------------------|--|
| <b>Application Number</b> | 2011/044   |
| <b>Variety Name</b>       | 'WES03'  |
| <b>Genus Species</b>      | <i>Westringia</i> hybrid                             |
| <b>Common Name</b>        | Coastal Rosemary                                     |
| <b>Synonym</b>            | Nil  |
| <b>Accepted Date</b>      | 13 May 2011  |
| <b>Applicant</b>          | NuFlora International Pty Ltd, Macquarie Fields, NSW |
| <b>Agent</b>              | Ozbreed Pty Ltd, Clarendon, NSW                      |
| <b>Qualified Person</b>   | Peter Abell  |

**Details of Comparative Trial**

|                            |  |
|----------------------------|--|
| <b>Location</b>            | Ozbreed, Cupitts Lane, Clarendon, NSW  |
| <b>Descriptor</b>          | National Descriptor for <i>Westringia</i> (PBR WEST)   |
| <b>Period</b>              | October 2011 to August 2012  |
| <b>Conditions</b>          | Open nursery area (full sun) with automatic overhead irrigation. Climatic conditions typical for the area near Windsor for the summer to winter period of the trial. Plants were potted into 200mm standard pots and fertilised with a single top dressing of controlled release fertiliser, which lasted for the period of the trial. |
| <b>Trial Design</b>        | Two blocks each containing 15 plants of each of the candidate and nearest variety of common knowledge (VCK). All plants were reproduced from cuttings.   |
| <b>Measurements</b>        | The data taken reflects the characteristics of the candidate variety and how it differs from the most similar VCK.   |
| <b>RHS Chart - edition</b> | 2007   |

**Origin and Breeding**

Controlled pollination: 'WES03' originated from a controlled pollination of two breeding lines in September 2004. Both parents were characterised by tall plant height. The seed from the cross was sown in March 2005. Growth of several seedlings took place, which were transplanted to the field from 100mm pots at the Plant Breeding Institute, Cobbitty in October 2005. In October 2009 a single seedling was selected as a promising plant for commercial use based on its upright growth habit and blue/purple flowers. Trials and evaluation continued from 2009 to January 2012 to confirm DUS. Breeder: NuFlora International Pty Ltd, Macquarie Fields, NSW.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b> | <b>State of Expression in Group of Varieties</b> |
|-------------------------|----------------|--|
| Plant                   | growth habit   | upright  |
| Flower                  | colour         | blue/purple                                      |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b>     | <b>Comments</b>  |
|-----------------|--|
| 'Wynyabbie Gem' | Most similar variety due to flower colour and growth habit |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety      | Distinguishing Characteristics | State of Expression in Candidate | State of Expression in Comparator Variety |
|--------------|--------------------------------|----------------------------------|---|
| 'Jervis Gem' | Foliage colour                 | 147A                             | N189A                                     |
| 'WES01'      | Leaf size                      | small                            | medium                                    |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context   | 'WES03'             | 'Wynyabbie Gem'     |
|---|---------------------|---------------------|
| <input type="checkbox"/> Plant: growth habit                            | upright             | upright             |
| <input type="checkbox"/> Plant: attitude of branches                    | erect to semi-erect | erect to semi-erect |
| <input checked="" type="checkbox"/> Plant: height                       | medium              | tall to very tall   |
| <input type="checkbox"/> Stem: colour (RHS colour chart)                | 147B to N186B       | 147B to N187A       |
| <input checked="" type="checkbox"/> Stem: length of internode           | short to medium     | long to very long   |
| <input type="checkbox"/> Stem: hairiness                                | medium              | medium              |
| <input type="checkbox"/> Stem: colour of hairs                          | whitish             | whitish             |
| <input type="checkbox"/> Stem: hairs (type)                             | pilose              | pilose              |
| <input checked="" type="checkbox"/> Leaf: length                        | short               | long                |
| <input type="checkbox"/> Leaf: width                                    | narrow              | narrow              |
| <input type="checkbox"/> Leaf: shape                                    | narrow elliptic     | linear              |
| <input type="checkbox"/> Leaf: apex                                     | acute               | acute               |
| <input type="checkbox"/> Leaf: base                                     | cuneate             | cuneate             |
| <input type="checkbox"/> Leaf: arrangement                              | whorled             | whorled             |
| <input checked="" type="checkbox"/> Leaf: upper side hairiness          | very weak to weak   | medium to strong    |
| <input type="checkbox"/> Leaf: upper side hairiness colour              | whitish             | whitish             |
| <input type="checkbox"/> Leaf: upper side colour (RHS chart)            | 147A                | 147A                |
| <input type="checkbox"/> Leaf: upper side hairs type                    | simple              | simple              |
| <input type="checkbox"/> Leaf: lower side hairiness                     | weak to medium      | medium to strong    |
| <input type="checkbox"/> Leaf: lower side hairiness colour              | whitish             | whitish             |
| <input checked="" type="checkbox"/> Leaf: lower side colour (RHS chart) | 147B                | 190A                |
| <input type="checkbox"/> Leaf: lower side hairs type                    | solitary            | solitary            |
| <input type="checkbox"/> Flower: arrangement                            | solitary            | solitary            |
| <input type="checkbox"/> Flower: attitude                               | semi-erect          | semi-erect          |
| <input type="checkbox"/> Flower: position                               | axillary            | axillary            |
| <input checked="" type="checkbox"/> Flower: colour (RHS colour chart)   | 85A                 | N81D                |
| <input type="checkbox"/> Flower: division                               | present             | present             |
| <input type="checkbox"/> Flower: number of division                     | 2                   | 2                   |

**Prior Applications and Sales**

Nil.

**Details of Application**

|                           |  |
|---------------------------|--|
| <b>Application Number</b> | 2011/048   |
| <b>Variety Name</b>       | 'WES02'  |
| <b>Genus Species</b>      | <i>Westringia</i> hybrid                             |
| <b>Common Name</b>        | Coastal Rosemary                                     |
| <b>Synonym</b>            | Nil  |
| <b>Accepted Date</b>      | 13 May 2011  |
| <b>Applicant</b>          | NuFlora International Pty Ltd, Macquarie Fields, NSW |
| <b>Agent</b>              | Ozbreed Pty Ltd, Clarendon, NSW                      |
| <b>Qualified Person</b>   | Peter Abell  |

**Details of Comparative Trial**

|                            |  |
|----------------------------|--|
| <b>Location</b>            | Ozbreed, Cupitts Lane, Clarendon, NSW  |
| <b>Descriptor</b>          | National Descriptor for <i>Westringia</i> (PBR WEST)   |
| <b>Period</b>              | October 2011 to August 2012  |
| <b>Conditions</b>          | Open nursery area (full sun) with automatic overhead irrigation. Climatic conditions typical for the area near Windsor for the summer to winter period of the trial. Plants were potted into 200mm standard pots and fertilised with a single top dressing of controlled release fertiliser, which lasted for the period of the trial. |
| <b>Trial Design</b>        | Two blocks each containing 15 plants of each of the candidate and nearest variety of common knowledge (VCK). All plants were reproduced from cuttings.   |
| <b>Measurements</b>        | The data taken reflects the characteristics of the candidate variety and how it differs from the most similar VCK.   |
| <b>RHS Chart - edition</b> | 2007   |

**Origin and Breeding**

Controlled Pollination: 'WES02' originated from a controlled pollination of two breeding lines in September 2004. Both parents were characterised by tall plant height. The seed from the cross was sown in March 2005. Growth of several seedlings took place, which were transplanted to the field from 100mm pots at the Plant Breeding Institute, Cobbitty in October 2005. In October 2009 a single seedling was selected as a promising plant for commercial use based on its dense growth habit. Trials and evaluation continued from 2009 to January 2012 to confirm DUS. Breeder: NuFlora International Pty Ltd, Macquarie Fields, NSW.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b> | <b>State of Expression in Group of Varieties</b> |
|-------------------------|----------------|--|
| Plant                   | growth habit   | short  |
| Plant                   | density        | high   |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b>  | <b>Comments</b>   |
|--------------|---|
| 'Jervis Gem' | This variety was considered closest on plant growth habit and flower colour |



**Varieties of Common Knowledge identified and subsequently excluded**

| Variety | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety |
|---------|--------------------------------|--|---|
| 'WES01' | Flower colour                  | 76B                                      | N87D                                      |
| 'Zina'  | Plant growth habit             | upright                                  | open spreading                            |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context   | 'WES02'             | 'Jervis Gem'          |
|---|---------------------|-----------------------|
| <input type="checkbox"/> Plant: growth habit                            | upright             | upright               |
| <input type="checkbox"/> Plant: attitude of branches                    | semi-erect          | erect to semi-erect   |
| <input type="checkbox"/> Plant: height                                  | short               | short                 |
| <input checked="" type="checkbox"/> Stem: colour (RHS colour chart)     | 146A                | 187A                  |
| <input checked="" type="checkbox"/> Stem: length of internode           | medium              | very short to short   |
| <input checked="" type="checkbox"/> Stem: hairiness                     | medium              | very strong           |
| <input type="checkbox"/> Stem: colour of hairs                          | whitish             | whitish               |
| <input type="checkbox"/> Stem: hairs (type)                             | pilose              | pilose                |
| <input checked="" type="checkbox"/> Leaf: length                        | short to medium     | very short to short   |
| <input checked="" type="checkbox"/> Leaf: width                         | narrow to medium    | very narrow to narrow |
| <input type="checkbox"/> Leaf: shape                                    | narrow elliptic     | narrow elliptic       |
| <input type="checkbox"/> Leaf: apex                                     | acute               | acute                 |
| <input type="checkbox"/> Leaf: base                                     | cuneate             | cuneate               |
| <input type="checkbox"/> Leaf: arrangement                              | whorled             | whorled               |
| <input type="checkbox"/> Leaf: upper side hairiness                     | very weak to weak   | weak                  |
| <input type="checkbox"/> Leaf: upper side hairiness colour              | whitish             | whitish               |
| <input checked="" type="checkbox"/> Leaf: upper side colour (RHS chart) | 147A                | near N189A            |
| <input type="checkbox"/> Leaf: upper side hairs type                    | simple              | simple                |
| <input type="checkbox"/> Leaf: lower side hairiness                     | medium to strong    | very strong           |
| <input type="checkbox"/> Leaf: lower side hairiness colour              | whitish             | whitish               |
| <input checked="" type="checkbox"/> Leaf: lower side colour (RHS chart) | 147C                | 190B                  |
| <input type="checkbox"/> Leaf: lower side hairs type                    | solitary            | solitary              |
| <input type="checkbox"/> Flower: arrangement                            | solitary            | solitary              |
| <input type="checkbox"/> Flower: attitude                               | erect to semi-erect | erect to semi-erect   |
| <input type="checkbox"/> Flower: position                               | axillary            | axillary              |
| <input type="checkbox"/> Flower: colour (RHS colour chart)              | 76B                 | n/a                   |

**Prior Applications and Sales**

Nil.

Description: **Peter Abell**, SPROCZ Pty Ltd, Bilpin, NSW.

**Details of Application**

|                           |   |
|---------------------------|---|
| <b>Application Number</b> | 2007/330  |
| <b>Variety Name</b>       | 'LEL C01'   |
| <b>Genus Species</b>      | <i>Cordyline australis</i> x <i>Cordyline banksii</i> |
| <b>Common Name</b>        | Cordyline   |
| <b>Synonym</b>            | Coral   |
| <b>Accepted Date</b>      | 17 Dec 2008   |
| <b>Applicant</b>          | Lyder Enterprises Limited, Auckland, New Zealand      |
| <b>Agent</b>              | Crop & Nursery Services, Kincumber, NSW               |
| <b>Qualified Person</b>   | Ian Paananen  |

**Details of Comparative Trial**

|                            |   |
|----------------------------|---|
| <b>Location</b>            | Carabooda, WA.  |
| <b>Descriptor</b>          | Cordyline ( <i>Cordyline</i> spp.) PBR CORD.  |
| <b>Period</b>              | Feb to May 2009.  |
| <b>Conditions</b>          | Trial conducted in open beds, plants propagated from micropropagation originally, finally planted into 200mm pots filled with soilless potting mix, nutrition maintained with slow release and liquid fertilisers, irrigation by overhead watering, pest and disease treatments not required. |
| <b>Trial Design</b>        | Fifteen pots of each variety arranged in a completely randomised design.  |
| <b>Measurements</b>        | From ten plants at random.  |
| <b>RHS Chart - edition</b> | 2007.   |

**Origin and Breeding**

Controlled pollination followed by repeated *in vitro* progeny selection: seed parent *Cordyline australis* 'Albertii' x pollen parent *C. banksii* x *C. australis* 'Purple Tower'. In the early 1990s seedlings resulting from the above mentioned cross pollination were selected for evaluation as potential new cultivars. In 2002 a further selection of ten different unique plants was made by Lyder Enterprises Limited from several hundred progeny from the Duncan and Davies Contracting Limited mother stock plants.

These ten unique selections were initiated by Lyder Enterprises Ltd (LEL) into micro propagation and re-selected and evaluated for several years while being compared to existing similar varieties and the parent forms *in vitro* and *ex vitro*.

The final cycle of selection occurred in 2005/06 when 'LEL C01' was selected as a sport from the reselected progeny of the ten unique plants on the basis of its attractive pink leaf variegation, good rooting performance and good establishment performance in propagation. It was found to reproduce in a uniform and stable manner. The original seed parent is characterised by its green and cream coloured leaf variegation. The original pollen parent is characterised by an absence of leaf variegation and purple coloured leaf. Sibling varieties in the *in vitro* selection phase had poor rooting and establishment performance. The final selection took place in Zhejiang Academy of Agricultural Sciences, Zhejiang, Peoples Republic of China. Selection criteria: attractive, strong pink variegation present and good rooting and establishment performance in propagation. Propagation: vegetative, by micropropagation. Breeder: Lyder Enterprises Limited, Auckland, New Zealand.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| Organ/Plant Part | Context  | State of Expression in Group of Varieties |
|------------------|--|---|
| Leaf             | number of colours on upper side                                | two                                       |
| Leaf             | predominant colour group                                       | pink                                      |
| Plant            | propensity in propagation to grow roots and establish ex vitro | strong                                    |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| Name               | Comments                                |
|--------------------|---|
| 'Purple Sensation' | <i>C. australis</i> x <i>C. banksii</i> |
| 'LELC02'           | <i>C. banksii</i> x <i>C. australis</i> |
| 'LELC03'           | <i>C. banksii</i> x <i>C. australis</i> |
| 'LELC04'           | <i>C. banksii</i> x <i>C. australis</i> |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety           | Distinguishing Characteristics                                       | State of Expression in Candidate | State of Expression in Comparator | Comments  |
|-------------------|--|----------------------------------|-----------------------------------|---|
| 'Red Star'        | Leaf number of colours on upper side                                 | two                              | one                               | Also has a narrower leaf and lighter leaf colour. |
| 'Jurassic Jade'   | Leaf Predominant colour group  | pink                             | green                             |   |
| un-named siblings | Plant propensity in propagation to grow roots and establish ex vitro | strong                           | weak                              |   |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context   | 'LEL C01'   | 'LELC02'    | 'LELC03'    | 'LELC04'        | 'Purple Sensation' |
|---|-------------|-------------|-------------|-----------------|--------------------|
| <input checked="" type="checkbox"/> Plant: height of foliage                                | tall        | tall        | medium      | medium          | medium to tall     |
| <input checked="" type="checkbox"/> Stem: branching   | absent      | absent      | absent      | absent          | present            |
| <input checked="" type="checkbox"/> Leaf: length  | long        | long        | medium      | medium          | medium to long     |
| <input checked="" type="checkbox"/> Leaf: width at broadest part                            | broad       | broad       | medium      | medium to broad | medium             |
| <input type="checkbox"/> Leaf: number of colours on upper side                              | two         | two         | two         | two             | two                |
| <input checked="" type="checkbox"/> Leaf: main colour of upper side (RHS Colour Chart)      | N200A       | N199A       | 200B        | N200A           | 200B               |
| <input checked="" type="checkbox"/> Leaf: secondary colour of upper side (RHS Colour Chart) | 181B        | 180D        | ca 53C      | 47D             | 178A               |
| <input checked="" type="checkbox"/> Leaf: distribution of                                   | margin zone | middle zone | margin zone | margin zone     | middle zone        |

secondary colour on upper side

|                                     |                                       |                     |            |                     |                     |              |
|-------------------------------------|---------------------------------------|---------------------|------------|---------------------|---------------------|--------------|
| <input type="checkbox"/>            | Leaf: attitude of bottom half of leaf | erect to semi-erect | semi-erect | erect to semi-erect | erect to semi-erect | semi-erect   |
| <input checked="" type="checkbox"/> | Leaf: attitude of top half of leaf    | semi-erect          | weeping    | semi-erect          | semi-erect          | semi-weeping |
| <input checked="" type="checkbox"/> | Leaf: glossiness of upper side        | medium              | medium     | weak                | weak                | medium       |

#### **Characteristics Additional to the Descriptor/TG**

| <b>Organ/Plant Part: Context</b>  | <b>'LEL C01'</b> | <b>'LELC02'</b> | <b>'LELC03'</b> | <b>'LELC04'</b> | <b>'Purple Sensation'</b> |
|---|------------------|-----------------|-----------------|-----------------|---------------------------|
| <input checked="" type="checkbox"/> Leaf: main colour of lower side (RHS) | N200A            | N199A           | 200B            | N200B           | 200B                      |

#### **Statistical Table**

| <b>Organ/Plant Part: Context</b>                     | <b>'LEL C01'</b> | <b>'LELC02'</b> | <b>'LELC03'</b> | <b>'LELC04'</b> | <b>'Purple Sensation'</b> |
|--|------------------|-----------------|-----------------|-----------------|---------------------------|
| <input checked="" type="checkbox"/> Leaf: width (mm) |                  |                 |                 |                 |                           |
| Mean   | 37.50            | 38.30           | 24.20           | 30.40           | 26.20                     |
| Std. Deviation                                       | 3.10             | 2.30            | 1.90            | 1.50            | 3.10                      |
| LSD/sig  | 2.97             | ns              | P≤0.01          | P≤0.01          | P≤0.01                    |

#### **Prior Applications and Sales**

| <b>Country</b> | <b>Year</b> | <b>Current Status</b> | <b>Name Applied</b> |
|----------------|-------------|-----------------------|---------------------|
| EU             | 2006        | Applied               | 'LEL C01'           |

Prior sale nil.

Description: **Ian Paananen**, Crop & Nursery Services, Central Coast, NSW

Note: This is an amended description originally published in *Plant Varieties Journal* Vol. 22 No. 2.

**Details of Application**

|                           |   |
|---------------------------|---|
| <b>Application Number</b> | 2011/091                                      |
| <b>Variety Name</b>       | 'CorBzr01'                                    |
| <b>Genus Species</b>      | <i>Cordyline</i> hybrid                       |
| <b>Common Name</b>        | Cordyline                                     |
| <b>Synonym</b>            | nil   |
| <b>Accepted Date</b>      | 26 Jul 2011                                   |
| <b>Applicant</b>          | Mark Jury Nursery, Waitara, NZ                |
| <b>Agent</b>              | Anthony Tesselaar Plants Pty Ltd, Silvan, VIC |
| <b>Qualified Person</b>   | Christopher Prescott                          |

**Details of Comparative Trial**

|                            |  |
|----------------------------|--|
| <b>Location</b>            | 4/6 Safari Place, Carabooda, WA (Latitude 31°35' South, 115°43' East, elevation 44m).  |
| <b>Descriptor</b>          | PBR CORD (National Descriptor for <i>Cordyline</i> spp).   |
| <b>Period</b>              | December 2011 to September 2012  |
| <b>Conditions</b>          | The examination was conducted on the 13th of September 2012 at the property of Anthony Tesselaar Plants Pty Ltd in Silvan, Victoria from plants sent from a wholesale Nursery in Carabooda Western Australia on the previous day. The trial plants were randomly selected from a larger population of plants that had been maintained at a commercial wholesale plant nursery. |
| <b>Trial Design</b>        | Ten plants of the candidate and both of the comparators were grown in 17cm pots in a pine bark potting mix. The plants were all propagated within a few weeks of each other and planted into the 17cm pots between September and December 2011 and were allowed to grow through the Summer, Autumn and Winter prior to the examination.  |
| <b>Measurements</b>        | Measurements were taken at random from each of the trial plants. One sample from each.   |
| <b>RHS Chart - edition</b> | 2007   |

**Origin and Breeding**

Induced mutation: 'CorBzr01' resulted from the manipulation of the parent 'JURred' in a tissue culture laboratory using chemicals to induce mutation in March 2007. In January 2008 the new variety was selected and multiplied over 10 generations in tissue culture. Any that reverted back to the parent were discarded. All work was carried out by Benzur Nurseries Ltd, Israel. All rights were transferred across to Mark Jury Nursery, New Zealand by assignment.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b> | <b>State of Expression in Group of Varieties</b> |
|-------------------------|----------------|--|
| Stem                    | branching      | absent   |
| Plant                   | suckering      | present  |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b>             | <b>Comments</b> |
|-------------------------|-----------------|
| 'Red Fountain' (JURred) |                 |
| 'Sprilecpink'           |                 |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| <b>Organ/Plant Part: Context</b>  | <b>‘CorBzr01’</b>        | <b>‘Red Fountain’ (JURred)</b> | <b>‘Sprilecpink’</b> |
|---|--------------------------|--------------------------------|----------------------|
| <input checked="" type="checkbox"/> Plant: height of foliage                                | very short to short      | short to medium                | short to medium      |
| <input type="checkbox"/> Stem: branching  | absent                   | absent                         | absent               |
| <input checked="" type="checkbox"/> Leaf: length  | short to medium          | medium to long                 | short to medium      |
| <input type="checkbox"/> Leaf: number of colours on upper side                              | two                      | one                            | two                  |
| <input type="checkbox"/> Leaf: main colour of upper side (RHS Colour Chart)                 | N187A                    | 187A                           | 200A                 |
| <input checked="" type="checkbox"/> Leaf: secondary colour of upper side (RHS Colour Chart) | 184C                     |                                | 185B                 |
| <input type="checkbox"/> Leaf: attitude of bottom half of leaf                              | semi-erect to horizontal | semi-erect                     | erect                |
| <input type="checkbox"/> Leaf: attitude of top half of leaf                                 | weeping                  | weeping                        | semi-erect           |
| <input type="checkbox"/> Plant: suckering   | present                  | present                        | present              |

**Characteristics Additional to the Descriptor/TG**

| <b>Organ/Plant Part: Context</b>  | <b>‘CorBzr01’</b> | <b>‘Red Fountain’ (JURred)</b> | <b>‘Sprilecpink’</b> |
|---|-------------------|--------------------------------|----------------------|
| <input type="checkbox"/> Leaf: distribution of secondary colour on upper side | margin & middle   |                                | margin & middle      |

**Statistical Table**

| <b>Organ/Plant Part: Context</b>                      | <b>‘CorBzr01’</b> | <b>‘Red Fountain’ (JURred)</b> | <b>‘Sprilecpink’</b> |
|---|-------------------|--------------------------------|----------------------|
| <input checked="" type="checkbox"/> Leaf: Length (mm) |                   |                                |                      |
| Mean  | 53.60             | 92.20                          | 53.90                |
| Std. Deviation  | 3.20              | 6.73                           | 4.56                 |
| Lsd/sig   | 5.511             | P≤0.01                         | ns                   |
| <input checked="" type="checkbox"/> Leaf: width (mm)  |                   |                                |                      |
| Mean  | 14.15             | 19.35                          | 19.73                |
| Std. Deviation  | 1.50              | 1.43                           | 1.72                 |
| Lsd/sig   | 1.707             | P≤0.01                         | P≤0.01               |

**Prior Applications and Sales**

Prior applications nil.

First sold in Australia in July 2010.

Description: **Christopher Prescott**, Clyde, VIC.

**Details of Application**

|                           |  |
|---------------------------|--|
| <b>Application Number</b> | 2011/042   |
| <b>Variety Name</b>       | 'BLAPINK'  |
| <b>Genus Species</b>      | <i>Daphne x transatlantica</i>                             |
| <b>Common Name</b>        | Daphne   |
| <b>Synonym</b>            | Spring Pink Eternal Fragrance                              |
| <b>Accepted Date</b>      | 07 Jun 2011  |
| <b>Applicant</b>          | Anthony Robin White and Susan Barbara White, Hampshire, UK |
| <b>Agent</b>              | Plants Management Australia Pty Ltd, Dodges Ferry, TAS     |
| <b>Qualified Person</b>   | Steve Eggleton   |

**Details of Comparative Trial**

|                            |  |
|----------------------------|--|
| <b>Location</b>            | Wonga Park, Victoria   |
| <b>Descriptor</b>          | General Descriptor (for plant varieties with no descriptor available) PBR GEN DES  |
| <b>Period</b>              | Jan 2011 to Sept 2012  |
| <b>Conditions</b>          | Trial conducted in the open, plants propagated and grown in 50mm tubes then 140mm containers from January 2011 to December 2011. In December 2011 they were then transferred and grown on in 200mm containers until the completion of the trial. Containers filled with soilless, pinebark based mix with controlled release fertilizers |
| <b>Trial Design</b>        | Twelve pots of each variety in a completely randomised design.   |
| <b>Measurements</b>        | From ten plants randomly selected.   |
| <b>RHS Chart - edition</b> | Fifth edition  |

**Origin and Breeding**

Spontaneous mutation: Pink flower colour was first observed as a branch sport on a stock plant of Daphne 'BLAFRA' (Daphne 'Eternal Fragrance') during 2005 at Blackthorn Nursery Hampshire, England. This mutation was grafted in January 2006 and allowed to grow throughout 2006, being continually evaluated. Cuttings were taken in June 2006 to produce a new generation for evaluation, which occurred in April 2007. Final selection criteria, flower colour pink and plant height short to medium. Propagation: via cuttings. All generations have remained uniform and stable. Breeders: Anthony Robin White and Susan Barbara White, Hampshire, UK.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>                     | <b>State of Expression in Group of Varieties</b> |
|-------------------------|------------------------------------|--|
| Plant                   | growth habit                       | semi upright to upright                          |
| Plant                   | height                             | short to medium                                  |
| Plant                   | ability to flower on summer growth | strong to very strong                            |
| Plant                   | density                            | medium to dense                                  |
| Leaf                    | glossiness of upper surface        | medium   |
| Leaf                    | presence of variegation            | absent   |
| Flower                  | type                               | single   |
| Flower                  | size                               | medium to large                                  |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| Name     | Comments         |
|----------|------------------|
| 'Blafra' | Parental variety |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety      | Distinguishing Characteristics | State of Expression in Candidate Variety                | State of Expression in Comparator Variety | Comments       |
|--------------|--------------------------------|---|---|----------------|
| 'Collina'    | Plant                          | ability to flower on summer growth                      | strong to very strong                     | weak to medium |
| 'Jims Pride' | Flower                         | Predominant colour of inner surface when fully expanded | pink                                      | white          |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context                               | 'BLAPINK'                | 'Blafra'                 |
|---|--------------------------|--------------------------|
| <input type="checkbox"/> Plant: type                    | shrub                    | shrub                    |
| <input type="checkbox"/> Plant: height                  | short to medium          | short to medium          |
| <input type="checkbox"/> Leaf: leaf type                | simple                   | simple                   |
| <input type="checkbox"/> Leaf: length of blade          | medium                   | medium                   |
| <input type="checkbox"/> Leaf: width of blade           | narrow                   | narrow                   |
| <input type="checkbox"/> Leaf: shape                    | elliptic                 | elliptic                 |
| <input type="checkbox"/> Leaf: shape of apex            | broadly acute to rounded | broadly acute to rounded |
| <input type="checkbox"/> Leaf: shape of base            | attenuate                | attenuate                |
| <input type="checkbox"/> Leaf: incision of margin       | absent                   | absent                   |
| <input type="checkbox"/> Leaf: undulation of the margin | very weak                | very weak                |
| <input type="checkbox"/> Leaf: glossiness of upper side | medium                   | medium                   |
| <input type="checkbox"/> Leaf: presence of variegation  | absent                   | absent                   |
| <input type="checkbox"/> Flower: type                   | single                   | single                   |
| <input type="checkbox"/> Flower: diameter               | medium to large          | medium to large          |
| <input type="checkbox"/> Flower: fragrance              | present                  | present                  |

**Characteristics Additional to the Descriptor/TG**

| Organ/Plant Part: Context  | 'BLAPINK'               | 'Blafra'                |
|--|-------------------------|-------------------------|
| <input type="checkbox"/> Plant: growth habit                       | semi-upright to upright | semi upright to upright |
| <input type="checkbox"/> Plant: ability to flower on summer growth | strong to very strong   | strong to very strong   |



|                                     |   |                      |                      |
|-------------------------------------|---|----------------------|----------------------|
| <input type="checkbox"/>            | stem: presence of hairs on new growth                                       | present              | present              |
| <input type="checkbox"/>            | stem: degree of hairiness on new growth                                     | medium to strong     | medium to strong     |
| <input type="checkbox"/>            | stem: colour of mature growth (RHS colour chart)                            | brown 200B           | brown 200B           |
| <input type="checkbox"/>            | stem: colour of new growth (RHS colour chart)                               | yellow-green 144A    | yellow-green 144A    |
| <input type="checkbox"/>            | leaf: degree of hairiness on lower surface                                  | weak                 | weak                 |
| <input type="checkbox"/>            | leaf: colour of upper surface (RHS colour chart)                            | yellow-green 147A    | yellow-green 147A    |
| <input type="checkbox"/>            | leaf: colour of lower surface (RHS colour chart)                            | green 138B           | green 138B           |
| <input type="checkbox"/>            | inflorescence: position on stem   | terminal and lateral | terminal and lateral |
| <input type="checkbox"/>            | plant: density  | medium to dense      | medium to dense      |
| <input type="checkbox"/>            | flower: colour of perianth tube early spring (RHS colour chart)             | greyed-purple 187A   | greyed-red 182C      |
| <input type="checkbox"/>            | plant: height   | short to medium      | short to medium      |
| <input checked="" type="checkbox"/> | bud: colour of apex early spring (RHS colour chart)                         | greyed-purple 187B   | greyed-purple 184C+D |
| <input checked="" type="checkbox"/> | bud: colour of perianth tube early spring (RHS colour chart)                | greyed-purple 187A   | greyed-purple 183A   |
| <input checked="" type="checkbox"/> | flower: colour of margin of calyx lobe early spring (RHS colour chart)      | red-purple 70A       | green-white 157D     |
| <input checked="" type="checkbox"/> | flower: colour of centre zone of calyx lobe early spring (RHS colour chart) | red-purple 70B+C     | green-white 157D     |
| <input type="checkbox"/>            | flower: calyx lobe shape  | ovate                | ovate                |

#### **Prior Applications and Sales**

| <b>Country</b> | <b>Year</b> | <b>Current Status</b> | <b>Name Applied</b> |
|----------------|-------------|-----------------------|---------------------|
| EU             | 2009        | Received              | 'BLAPINK'           |

Description: **Steve Eggleton**, Wonga Park, VIC.

**Details of Application**

|                           |                                 |
|---------------------------|---------------------------------|
| <b>Application Number</b> | 2010/228                        |
| <b>Variety Name</b>       | 'H22'                           |
| <b>Genus Species</b>      | <i>Grevillea juniperina</i>     |
| <b>Common Name</b>        | Grevillea                       |
| <b>Synonym</b>            | Nil                             |
| <b>Accepted Date</b>      | 27 Oct 2010                     |
| <b>Applicant</b>          | Ozbreed Pty Ltd, Clarendon, NSW |
| <b>Agent</b>              | N/A                             |
| <b>Qualified Person</b>   | Peter Abell                     |

**Details of Comparative Trial**

|                            |   |
|----------------------------|---|
| <b>Location</b>            | Ozbreed, Cupitts Lane, Clarendon NSW  |
| <b>Descriptor</b>          | Grevillea National Descriptor (PBR GREV)  |
| <b>Period</b>              | January 2011 to August 2012   |
| <b>Conditions</b>          | Open nursery area with automatic overhead irrigation. Climatic conditions typical for the area near Windsor for the 18 month period of the trial. Plants were potted initially into 200mm standard pots and fertilised with a single top dressing of controlled release fertiliser (CRF). These plants were repotted into 300mm pots top dressed of CRF which lasted for the period of the trial. |
| <b>Trial Design</b>        | Two blocks each containing 15 plants of each of the candidate, most similar variety of common knowledge (VCK). All plants were reproduced from cuttings.  |
| <b>Measurements</b>        | The data taken reflects the characteristics of the candidate variety and how it differs from the most similar VCK   |
| <b>RHS Chart - edition</b> | 2007  |

**Origin and Breeding**

Open-pollinated seedling selection: In 2005 many seedlings from open-pollinated *Grevillea juniperina* common "prostrate yellow" were grown from seed and eight plants were selected for further testing. In 2008 a final selection took place from two candidates. One plant from the final two candidates was then selected due its superior characteristics based on low prostrate growth with dense habit. The name 'H22' was applied to this selection. The candidate has been uniform and stable over four successive generations of vegetative propagation. Breeder: Ozbreed Pty Ltd, Clarendon, NSW.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b> | <b>State of Expression in Group of Varieties</b> |
|-------------------------|----------------|--|
| Plant                   | growth habit   | prostrate  |
| Flower                  | colour         | yellow   |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b>      | <b>Comments</b> |
|------------------|-----------------|
| Prostrate Yellow | Parental form   |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety    | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety |
|------------|--------------------------------|--|---|
| 'Molonglo' | Plant habit                    | prostrate                                | semi-erect                                |
| 'Molonglo' | Flower colour                  | yellow                                   | orange                                    |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context  | 'H22'  | 'Prostrate Yellow'   |
|--|--|--|
| <input type="checkbox"/> Plant: growth habit   | prostrate  | prostrate  |
| <input checked="" type="checkbox"/> Plant: attitude of branches                                      | prostrate  | semi-erect   |
| <input type="checkbox"/> Plant: height   | very short   | very short to short  |
| <input type="checkbox"/> Plant: density (assessment of foliage at flowering)                         | medium to dense  | medium to dense  |
| <input type="checkbox"/> Young stem: colour  | yellow green   | yellow green   |
| <input type="checkbox"/> Stem: colour (not exposed to sun)   | green  | green  |
| <input type="checkbox"/> Young stem: hairiness   | present  | present  |
| <input type="checkbox"/> Petiole: length   | very short   | very short   |
| <input type="checkbox"/> Leaf: length  | very short   | very short   |
| <input type="checkbox"/> Leaf: width at widest point   | very narrow to narrow  | very narrow to narrow  |
| <input type="checkbox"/> Leaf: attitude to stem  | horizontal   | horizontal   |
| <input type="checkbox"/> Leaf: transverse section  | flat or slightly recurved, undersurface on either side of the midvein wholly exposed | flat or slightly recurved, undersurface on either side of the midvein wholly exposed |
| <input type="checkbox"/> Leaf: colour of upper side (including hairs)                                | medium green   | medium green   |
| <input type="checkbox"/> Leaf: colour of lower side (including hairs)                                | light green  | light green  |
| <input type="checkbox"/> Leaf: degree of hairiness on upper side                                     | very weak  | very weak  |
| <input type="checkbox"/> Leaf: degree of hairiness on lower side                                     | very weak  | very weak  |
| <input type="checkbox"/> Leaf: colour of hairiness on lower side                                     | white  | white  |
| <input type="checkbox"/> Leaf: undulation of margin  | absent or very weak  | absent or very weak  |
| <input type="checkbox"/> Leaf: division of blade   | all leaves on plant entire   | all leaves on plant entire   |
| <input type="checkbox"/> Leaf: shape of blade outline (varieties with division of blade absent only) | lanceolate   | lanceolate   |
| <input type="checkbox"/> Leaf: shape of apex outline (varieties with division of blade absent only)  | mucronate  | mucronate  |

|                                     |  |  |  |
|-------------------------------------|--|--|--|
| <input type="checkbox"/>            | Flowering branch: position of inflorescence  | both terminal and axillary             | both terminal and axillary             |
| <input type="checkbox"/>            | Inflorescence: length  | very short                             | very short                             |
| <input type="checkbox"/>            | Inflorescence: predominant colour  | yellow                                 | yellow                                 |
| <input type="checkbox"/>            | Inflorescence: density of florets  | medium to dense                        | medium to dense                        |
| <input type="checkbox"/>            | Inflorescence: number of flowers   | medium                                 | medium                                 |
| <input type="checkbox"/>            | Inflorescence: attitude  | erect to semi-erect                    | erect to semi-erect                    |
| <input type="checkbox"/>            | Inflorescence: form  | umbellate                              | umbellate                              |
| <input type="checkbox"/>            | Inflorescence: branching   | absent or very weak                    | absent or very weak                    |
| <input type="checkbox"/>            | Inflorescence: sequence of opening of the flowers  | centripetal                            | centripetal                            |
| <input type="checkbox"/>            | Rachis: length   | very short to short                    | very short to short                    |
| <input type="checkbox"/>            | Bud: colour of perianth  | yellow                                 | yellow                                 |
| <input type="checkbox"/>            | Bud: colour of limb  | green                                  | green                                  |
| <input type="checkbox"/>            | Bud: attitude of limb in relation to longitudinal axis of bud (late bud prior to anthesis) | horizontal                             | horizontal                             |
| <input type="checkbox"/>            | Flower: attitude of pedicel in relation to rachis  | leaning towards inflorescence peduncle | leaning towards inflorescence peduncle |
| <input type="checkbox"/>            | Flower: length of pedicel  | short                                  | short                                  |
| <input type="checkbox"/>            | Perianth: colour   | yellow                                 | yellow                                 |
| <input checked="" type="checkbox"/> | Perianth: degree of hairiness (outside of perianth including limb)                         | very weak to weak                      | medium                                 |
| <input type="checkbox"/>            | Perianth: colour of hairs  | red brown                              | red brown                              |
| <input type="checkbox"/>            | Perianth: coherence of tepals on dorsal side   | greater than two thirds                | greater than two thirds                |
| <input type="checkbox"/>            | Perianth: coherence of tepals on ventral side  | less than one third                    | less than one third                    |
| <input type="checkbox"/>            | Nectary: colour  | yellow                                 | yellow                                 |
| <input type="checkbox"/>            | Ovary: colour  | green                                  | green                                  |
| <input type="checkbox"/>            | Ovary: hairiness   | absent or very weak                    | absent or very weak                    |
| <input type="checkbox"/>            | Style: colour  | yellow                                 | yellow                                 |
| <input type="checkbox"/>            | Style: curvature (after anthesis before dehiscence of perianth)                            | gently curved                          | gently curved                          |
| <input type="checkbox"/>            | Style: position of curve   | continuous along length                | continuous along length                |
| <input type="checkbox"/>            | Style: hairiness   | absent or very weak                    | absent or very weak                    |

|                          |  |             |                   |
|--------------------------|--|-------------|-------------------|
| <input type="checkbox"/> | Pistil: length in relation to length of perianth | much longer | moderately longer |
| <input type="checkbox"/> | Stigma: colour                                   | green       | green             |
| <input type="checkbox"/> | Pollen presenter: shape                          | cone        | cone              |
| <input type="checkbox"/> | Pollen: colour                                   | green       | green             |

### **Prior Applications and Sales**

Nil.

Description: **Peter Abell**, SPROCZ Pty Ltd, Bilpin, NSW.

**Details of Application**

|                           |   |
|---------------------------|---|
| <b>Application Number</b> | 2012/067  |
| <b>Variety Name</b>       | 'SAKIMP005S'  |
| <b>Genus Species</b>      | <i>Impatiens</i> hybrid                                     |
| <b>Common Name</b>        | Impatiens   |
| <b>Synonym</b>            | Nil   |
| <b>Accepted Date</b>      | 02Aug 2012  |
| <b>Applicant</b>          | Sakata Seed Corporation, Yokohama, Japan                    |
| <b>Agent</b>              | Australian Horticultural Services Pty Ltd, Mooroolbark, VIC |
| <b>Qualified Person</b>   | Mark Lunghusen  |

**Details of Comparative Trial**

|                            |   |
|----------------------------|---|
| <b>Overseas Testing</b>    | Bundessortenamt, Hannover, Germany.   |
| <b>Authority</b>           |   |
| <b>Overseas Data</b>       | IM1193  |
| <b>Reference Number</b>    |   |
| <b>Location</b>            | Hannover, Germany. Overseas data was verified in Keysborough, VIC, Australia.   |
| <b>Descriptor</b>          | New Guinea Impatiens (new) (Impatiens New Guinea Group) TG/196/2  |
| <b>Conditions</b>          | Comparisons of most characteristics were based on trials assessed in Hannover, Germany during 2010. Characteristics were verified on plants grown in greenhouse conditions in Keysborough, Victoria, Australia in April 2012. Comparator data was obtained from Canadian application for Misato FG2 |
| <b>Trial Design</b>        | Randomised block design   |
| <b>Measurements</b>        | Taken randomly from all trial plants or plant parts   |
| <b>RHS Chart - edition</b> | Fifth Edition (2007)  |

**Origin and Breeding**

Controlled pollination: In April 2002, the female parent line NG-02WM and male parent line NG-01H-15B was crossed and a population of F1 plants was created. The F1 plants were evaluated in Misato, Japan in an open field trial. The criteria for plant selection included spreading growth habit, vigorous rooting, pinkish-red flower colour and variegated leaves. At the completion of the trial, one single-plant selection was made based on the above criteria and vegetatively propagated. From May to August 2004, the selection was evaluated in an open field in Misato, Japan. Further reselection work was done in 2009 to establish stability. Breeders Moriya Kawashima and Yoneo Kobayashi, Yokohama, Japan.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>                        | <b>State of Expression in Group of Varieties</b> |
|-------------------------|---------------------------------------|--|
| Flower                  | number of colours (eye zone excluded) | one  |
| Flower                  | Main colour upper side                | orange red                                       |
| Flower                  | type                                  | single   |
| Leaf blade              | marking of upper side                 | present  |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| Name          | Comments            |
|---------------|---------------------|
| 'Balcebredep' | Celebrette Deep Red |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety      | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments |
|--------------|--------------------------------|--|---|----------|
| 'Misato FG2' | Leaf variegation               | present                                  | absent                                    |          |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context   | 'SAKIMP005S'        | 'Balcebredep'       |
|---|---------------------|---------------------|
| <input type="checkbox"/> *Plant: height of foliage  | short               |                     |
| <input type="checkbox"/> *Plant: width  | medium              |                     |
| <input checked="" type="checkbox"/> Shoot: anthocyanin colouration                        | weak                | absent or very weak |
| <input type="checkbox"/> Petiole: length  | short to medium     |                     |
| <input type="checkbox"/> Petiole: anthocyanin colouration on upper side                   | very weak to weak   | very weak to weak   |
| <input type="checkbox"/> *Leaf blade: length  | short               |                     |
| <input type="checkbox"/> *Leaf blade: width   | narrow              |                     |
| <input type="checkbox"/> Leaf blade: length/width ratio                                   | small               |                     |
| <input type="checkbox"/> *Leaf blade: marking of upper side                               | present             | present             |
| <input type="checkbox"/> *Leaf blade: colour of marking of upper side                     | medium yellow       | light yellow        |
| <input type="checkbox"/> *Leaf blade: anthocyanin colouration of upper side               | very weak to weak   | absent or very weak |
| <input type="checkbox"/> *Leaf blade: colour of lower side between veins                  | green               | green               |
| <input type="checkbox"/> *Leaf blade: colour of veins on lower side                       | green               |                     |
| <input type="checkbox"/> Pedicel: length  | medium              |                     |
| <input type="checkbox"/> Pedicel: anthocyanin colouration                                 | very weak to weak   | absent or very weak |
| <input type="checkbox"/> *Flower: type  | single              | single              |
| <input type="checkbox"/> *Flower: width   | medium              |                     |
| <input type="checkbox"/> *Flower: number of colours                                       | one                 | one                 |
| <input checked="" type="checkbox"/> *Flower: main colour of upper side (RHS Colour Chart) | orange red 41C-40C  | red 45B             |
| <input checked="" type="checkbox"/> *Flower: eye zone                                     | present             | absent              |
| <input checked="" type="checkbox"/> *Flower: size of eye                                  | small               | n/a                 |
| <input checked="" type="checkbox"/> Flower: main colour of eye zone (RHS Colour Chart)    | dark purple red 53B |                     |
| <input type="checkbox"/> Upper petal: width (varieties with single flowers only)          | narrow to medium    |                     |

- Lateral petal: width (varieties with single flowers only) medium
- Lower petal: length (varieties with single flowers only) medium

**Prior Applications and Sales**

| <b>Country</b> | <b>Year</b> | <b>Current Status</b> | <b>Name Applied</b> |
|----------------|-------------|-----------------------|---------------------|
| EU             | 2009        | Granted               | 'SAKIMP005S'        |

First sold in the EU in Oct 2009.

Description: **Mark Lunghusen**, Cranbourne, VIC



**Details of Application**

|                           |   |
|---------------------------|---|
| <b>Application Number</b> | 2010/306                                  |
| <b>Variety Name</b>       | 'W47'                                     |
| <b>Genus Species</b>      | <i>Actinidia chinensis</i>                |
| <b>Common Name</b>        | Kiwifruit                                 |
| <b>Synonym</b>            | Nil                                       |
| <b>Accepted Date</b>      | 10 Feb 2011                               |
| <b>Applicant</b>          | Donald Alfred Skelton, Huntly, NZ         |
| <b>Agent</b>              | Global Plant IP Pty Ltd, Goondiwindi, QLD |
| <b>Qualified Person</b>   | Ian Paananen                              |

**Details of Comparative Trial**

|                            |  |
|----------------------------|--|
| <b>Location</b>            | Tolga, QLD   |
| <b>Descriptor</b>          | Kiwifruit ( <i>Actinidia</i> ) TG/98/7   |
| <b>Period</b>              | February 2011 to February 2012   |
| <b>Conditions</b>          | Trial conducted with mature plants under a typical orchard trellis system and with typical management with uniform growing conditions. |
| <b>Trial Design</b>        | Random sampling from standard orchard spacing  |
| <b>Measurements</b>        | Randomly selected from all plants.   |
| <b>RHS Chart - edition</b> | 2007   |

**Origin and Breeding**

Controlled pollination: seed parent 'R5' x pollen parent 'Ry' in 1980 at Rangiriri, NZ. The seed parent is characterised by a small fruit size and late time of maturity of fruit. The pollen parent is characterised by a male sex expression. The seedling fruited in 1999 and the unique and attractive features of the fruits were noted. Selection took place in Rangiriri, NZ. Selection criteria: yellow green fruit flesh colour combined with good fruit taste, texture and shape. Propagation: vegetative grafts were found to be uniform and stable. Breeder: Donald Alfred Skelton, Huntly, NZ.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>                       | <b>State of Expression in Group of Varieties</b> |
|-------------------------|--------------------------------------|--|
| Time of                 | maturity for harvest                 | late   |
| Fruit                   | shape of shoulder at stalk end       | truncate   |
| Fruit                   | stylar end                           | weakly blunt protruding                          |
| Fruit                   | conspicuousness of lenticels on skin | strong   |
| Fruit                   | colour of outer pericarp             | greenish yellow                                  |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b> | <b>Comments</b> |
|-------------|-----------------|
| 'W45'       |                 |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety   | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments |
|-----------|--------------------------------|--|---|----------|
| 'Hort16A' | Fruit colour of outer pericarp | yellow green                             | yellow                                    |          |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context   | 'W47'                 | 'W45'                 |
|---|-----------------------|-----------------------|
| <input type="checkbox"/> *Plant: sex  | female                | female                |
| <input checked="" type="checkbox"/> Plant: vigour                             | medium                | weak                  |
| <input type="checkbox"/> *Young shoot: density of hairs                       | medium                | medium                |
| <input type="checkbox"/> *Young shoot: anthocyanin colouration of growing tip | absent or very weak   | absent or very weak   |
| <input type="checkbox"/> *Stem: thickness                                     | medium                | medium                |
| <input type="checkbox"/> *Stem: colour of shoot on sunny side                 | yellow brown          | light brown           |
| <input type="checkbox"/> Stem: texture of bark                                | moderately rough      | moderately rough      |
| <input type="checkbox"/> Stem: density of hairs                               | absent or sparse      | absent or sparse      |
| <input type="checkbox"/> *Stem: size of lenticels                             | medium                | medium                |
| <input type="checkbox"/> *Stem: number of lenticels                           | few                   | very few to few       |
| <input type="checkbox"/> *Stem: prominence of bud support                     | medium                | medium                |
| <input type="checkbox"/> *Stem: presence of bud cover                         | present               | present               |
| <input type="checkbox"/> Stem: leaf scar                                      | flat                  | flat                  |
| <input type="checkbox"/> *Stem: pith  | solid                 | solid                 |
| <input type="checkbox"/> *Leaf blade: shape                                   | ovate                 | ovate                 |
| <input checked="" type="checkbox"/> *Leaf blade: shape of apex                | rounded               | acuminate             |
| <input type="checkbox"/> *Leaf blade: basal lobes                             | slightly apart        | slightly apart        |
| <input type="checkbox"/> Leaf blade: density of hairs on upper side           | absent or very sparse | absent or very sparse |
| <input type="checkbox"/> Leaf blade: density of hairs on lower side           | medium                | medium                |
| <input type="checkbox"/> *Leaf blade: intensity of green colour of upper side | medium                | medium                |
| <input type="checkbox"/> *Leaf blade: colour of lower side                    | light green           | light green           |
| <input type="checkbox"/> Leaf blade: variegation                              | absent                | absent                |
| <input type="checkbox"/> Petiole: anthocyanin colouration of upper side       | absent or very weak   | absent or very weak   |
| <input type="checkbox"/> *Fruit: weight                                       | medium to high        | high                  |
| <input type="checkbox"/> *Fruit: length                                       | medium                | medium to long        |

|                                     |  |                         |                            |
|-------------------------------------|--|-------------------------|----------------------------|
| <input type="checkbox"/>            | *Fruit: width                                  | medium                  | medium                     |
| <input type="checkbox"/>            | *Fruit: ratio length/width                     | medium                  | weakly elongated to medium |
| <input type="checkbox"/>            | *Fruit: shape                                  | oblong                  | oblong                     |
| <input checked="" type="checkbox"/> | *Fruit: shape in cross section (at median)     | oblate                  | circular                   |
| <input type="checkbox"/>            | *Fruit: stylar end                             | weakly blunt protruding | weakly blunt protruding    |
| <input checked="" type="checkbox"/> | Fruit: degree of pointed protrusion            | weak                    | strong                     |
| <input checked="" type="checkbox"/> | Fruit: presence of calyx ring                  | absent or weak          | strong                     |
| <input type="checkbox"/>            | *Fruit: shape of shoulder at stalk end         | truncate                | truncate                   |
| <input type="checkbox"/>            | Fruit: conspicuousness of lenticels on skin    | strong                  | strong                     |
| <input type="checkbox"/>            | *Fruit: hairiness of skin                      | present                 | present                    |
| <input type="checkbox"/>            | *Fruit: density of hairs                       | sparse                  | sparse                     |
| <input type="checkbox"/>            | Fruit: colour of hairs                         | medium brown            | medium brown               |
| <input type="checkbox"/>            | *Fruit: adherence of hairs to skin             | weak                    | weak                       |
| <input checked="" type="checkbox"/> | *Fruit: colour of skin                         | light brown             | medium green               |
| <input type="checkbox"/>            | Fruit: adherence of skin to flesh              | weak                    | weak                       |
| <input type="checkbox"/>            | *Fruit: colour of outer pericarp               | greenish yellow         | greenish yellow            |
| <input type="checkbox"/>            | *Fruit: colour of locules                      | greenish yellow         | greenish yellow            |
| <input type="checkbox"/>            | *Fruit: width of core relative to fruit        | small                   | small                      |
| <input type="checkbox"/>            | *Fruit: general shape of core in cross section | oblate                  | oblate                     |
| <input type="checkbox"/>            | *Fruit: colour of core                         | yellow white            | yellow white               |
| <input type="checkbox"/>            | Fruit: sweetness                               | medium to high          | medium to high             |
| <input type="checkbox"/>            | Fruit: acidity                                 | medium                  | low to medium              |
| <input checked="" type="checkbox"/> | *Time of: vegetative bud burst                 | medium                  | early                      |
| <input checked="" type="checkbox"/> | *Time of: beginning of flowering               | late                    | early                      |
| <input type="checkbox"/>            | *Time of: maturity for harvest                 | late                    | late                       |

**Characteristics Additional to the Descriptor/TG**

| <b>Organ/Plant Part: Context</b>                | <b>‘W47’</b> | <b>‘W45’</b> |
|---|--------------|--------------|
| <input type="checkbox"/> Fruit: weight (g)      | 100          | 125          |
| <input type="checkbox"/> Fruit: length (mm)     | 65           | 75           |
| <input type="checkbox"/> Fruit: width (mm)      | 60           | 65           |
| <input type="checkbox"/> Ripe Fruit: Brix (°Bx) | 12           | 17           |

**Prior Applications and Sales**

Nil

Description: **Ian Paananen**, Crop & Nursery Services, Central Coast, NSW

**Details of Application**

|                           |   |
|---------------------------|---|
| <b>Application Number</b> | 2007/100                                  |
| <b>Variety Name</b>       | 'S600'                                    |
| <b>Genus Species</b>      | <i>Actinidia chinensis</i>                |
| <b>Common Name</b>        | Kiwifruit                                 |
| <b>Synonym</b>            | Nil                                       |
| <b>Accepted Date</b>      | 04 May 2007                               |
| <b>Applicant</b>          | Donald Alfred Skelton, Huntly, NZ         |
| <b>Agent</b>              | Global Plant IP Pty Ltd, Goondiwindi, QLD |
| <b>Qualified Person</b>   | Ian Paananen                              |

**Details of Comparative Trial**

|                                       |  |
|---------------------------------------|--|
| <b>Overseas Testing Authority</b>     | United States Patent and Trademark Office (USPTO)  |
| <b>Overseas Data Reference Number</b> | PP20,727   |
| <b>Location</b>                       | Tolga, QLD   |
| <b>Descriptor</b>                     | Kiwifruit ( <i>Actinidia</i> ) TG/98/7   |
| <b>Period</b>                         | February 2011 to February 2012   |
| <b>Conditions</b>                     | Trial conducted with mature plants under a typical orchard trellis system and with typical management with uniform growing conditions. |
| <b>Trial Design</b>                   | Random sampling from standard orchard spacing and comparison to USPTO technical data.  |
| <b>Measurements</b>                   | Randomly selected from all plants.   |
| <b>RHS Chart - edition</b>            | 2007   |

**Origin and Breeding**

Controlled pollination: seed parent 'A124' x pollen parent 'RY' in 1975 at Rangiriri, NZ. The seed parent is characterised by a transverse elliptic fruit shape and strongly pointed protruding stylar end. The pollen parent is characterised by a male sex expression. The seedling fruited in 2000 and the unique and attractive features of the fruits were noted. Selection took place in Rangiriri, NZ. Selection criteria: yellow green fruit flesh colour combined with good fruit taste, texture and shape. Propagation: vegetative grafts were found to be uniform and stable. Breeder: Donald Alfred Skelton, Huntly, NZ.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>                       | <b>State of Expression in Group of Varieties</b> |
|-------------------------|--------------------------------------|--|
| Fruit                   | shape                                | oblate   |
| Fruit                   | density of hairs                     | sparse   |
| Fruit                   | stylar end                           | weakly blunt protruding                          |
| Fruit                   | conspicuousness of lenticels on skin | strong   |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b> | <b>Comments</b> |
|-------------|-----------------|
| 'Y118'      |                 |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety   | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments |
|-----------|--------------------------------|--|---|----------|
| 'Hort16A' | Time of maturity for harvest   | medium                                   | late                                      |          |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context  | 'S600'                | 'S600' (OS data)     | 'Y118'                |
|--|-----------------------|----------------------|-----------------------|
| <input type="checkbox"/> *Plant: sex   | female                | female               | female                |
| <input checked="" type="checkbox"/> Plant: vigour                              | strong                | medium to weak       | weak                  |
| <input type="checkbox"/> *Young shoot: density of hairs                        | medium                | non-pubescent        | medium                |
| <input type="checkbox"/> *Young shoot: anthocyanin colouration of growing tip  | absent or very weak   |                      | absent or very weak   |
| <input type="checkbox"/> *Stem: thickness                                      | medium                | Avg. 1cm             | medium                |
| <input type="checkbox"/> *Stem: colour of shoot on sunny side                  | light brown           |                      | light brown           |
| <input type="checkbox"/> Stem: texture of bark                                 | moderately rough      |                      | moderately rough      |
| <input type="checkbox"/> Stem: density of hairs                                | absent or sparse      |                      | absent or sparse      |
| <input checked="" type="checkbox"/> *Stem: size of lenticels                   | small                 |                      | medium                |
| <input checked="" type="checkbox"/> *Stem: number of lenticels                 | very few              | no visible lenticels | medium                |
| <input type="checkbox"/> *Stem: prominence of bud support                      | medium                |                      | medium                |
| <input type="checkbox"/> *Stem: presence of bud cover                          | present               |                      | present               |
| <input type="checkbox"/> Stem: leaf scar                                       | flat                  |                      | flat                  |
| <input type="checkbox"/> *Stem: pith   | solid                 |                      | solid                 |
| <input type="checkbox"/> *Leaf blade: shape                                    | ovate                 | very broadly ovate   | ovate                 |
| <input type="checkbox"/> *Leaf blade: shape of apex                            | rounded               | rounded              | rounded               |
| <input type="checkbox"/> *Leaf blade: basal lobes                              | slightly apart        | not overlapping      | slightly apart        |
| <input type="checkbox"/> Leaf blade: density of hairs on upper side            | absent or very sparse | non-pubescent        | absent or very sparse |
| <input checked="" type="checkbox"/> Leaf blade: density of hairs on lower side | absent or very sparse | non-pubescent        | medium                |
| <input type="checkbox"/> *Leaf blade: intensity of green colour of upper side  | medium                | near Green 137A      | medium                |
| <input type="checkbox"/> *Leaf blade: colour of lower side                     | light green           | near Green 141C      | light green           |
| <input type="checkbox"/> Leaf blade: variegation                               | absent                |                      | absent                |

|                                     |  |                         |                           |                         |
|-------------------------------------|--|-------------------------|---------------------------|-------------------------|
| <input type="checkbox"/>            | Petiole: anthocyanin colouration of upper side | absent or very weak     | flush of Greyed-Red 179B  | absent or very weak     |
| <input type="checkbox"/>            | *Fruit: weight                                 | medium to high          |                           | medium to high          |
| <input type="checkbox"/>            | *Fruit: length                                 | medium                  |                           | medium to long          |
| <input type="checkbox"/>            | *Fruit: width                                  | medium                  |                           | medium                  |
| <input type="checkbox"/>            | *Fruit: ratio length/width                     | medium                  |                           | weakly elongated        |
| <input type="checkbox"/>            | *Fruit: shape                                  | oblong                  | oblong                    | oblong                  |
| <input type="checkbox"/>            | *Fruit: shape in cross section (at median)     | oblate                  | circular                  | circular                |
| <input type="checkbox"/>            | *Fruit: stylar end                             | weakly blunt protruding | slightly blunt protruding | weakly blunt protruding |
| <input checked="" type="checkbox"/> | Fruit: degree of pointed protrusion            | strong                  |                           | weak                    |
| <input checked="" type="checkbox"/> | Fruit: presence of calyx ring                  | strong                  | moderate                  | absent or weak          |
| <input type="checkbox"/>            | *Fruit: shape of shoulder at stalk end         | truncate                | squared                   | truncate                |
| <input type="checkbox"/>            | Fruit: conspicuousness of lenticels on skin    | strong                  | not present               | strong                  |
| <input type="checkbox"/>            | *Fruit: hairiness of skin                      | present                 | downy                     | present                 |
| <input type="checkbox"/>            | *Fruit: density of hairs                       | sparse                  |                           | sparse                  |
| <input type="checkbox"/>            | Fruit: colour of hairs                         | medium brown            |                           | medium brown            |
| <input type="checkbox"/>            | *Fruit: adherence of hairs to skin             | weak                    | weak                      | weak                    |
| <input type="checkbox"/>            | *Fruit: colour of skin                         | greenish brown          | near RHS Grey-Orange 165D | greenish brown          |
| <input type="checkbox"/>            | Fruit: adherence of skin to flesh              | weak                    | moderate                  | weak                    |
| <input type="checkbox"/>            | *Fruit: colour of outer pericarp               | light green             | near RHS Yellow 1C.       | light green             |
| <input type="checkbox"/>            | *Fruit: colour of locules                      | greenish yellow         |                           | greenish yellow         |
| <input type="checkbox"/>            | *Fruit: width of core relative to fruit        | small                   | small                     | small                   |
| <input type="checkbox"/>            | *Fruit: general shape of core in cross section | circular                | elliptic                  | oblate                  |
| <input type="checkbox"/>            | *Fruit: colour of core                         | greenish white          |                           | greenish white          |
| <input checked="" type="checkbox"/> | Fruit: sweetness                               | medium                  |                           | high                    |
| <input checked="" type="checkbox"/> | Fruit: acidity                                 | high                    |                           | medium                  |
| <input type="checkbox"/>            | *Time of: vegetative bud burst                 | medium                  |                           | medium                  |
| <input type="checkbox"/>            | *Time of: beginning of flowering               | medium to late          |                           | medium                  |
| <input type="checkbox"/>            | *Time of: maturity for harvest                 | medium                  | late April                | early to medium         |

**Characteristics Additional to the Descriptor/TG**

| <b>Organ/Plant Part: Context</b>                | <b>'S600'</b> | <b>'S600'<br/>(OS data)</b> | <b>'Y118'</b> |
|---|---------------|-----------------------------|---------------|
| <input type="checkbox"/> Fruit: weight (g)      | 105           | 105                         | 110           |
| <input type="checkbox"/> Fruit: length (mm)     | 60            | 59                          | 85            |
| <input type="checkbox"/> Fruit: width (mm)      | 60            | 51                          | 55            |
| <input type="checkbox"/> Ripe Fruit: Brix (°Bx) | 13.6          | 15.8                        | 16.3          |

**Prior Applications and Sales**

| <b>Country</b> | <b>Year</b> | <b>Current Status</b> | <b>Name Applied</b> |
|----------------|-------------|-----------------------|---------------------|
| USA            | 2008        | Granted               | 'S600'              |

Nil

Description: **Ian Paananen**, Crop & Nursery Services, Central Coast, NSW



**Details of Application**

|                           |  |
|---------------------------|--|
| <b>Application Number</b> | 2007/103                                   |
| <b>Variety Name</b>       | 'X60'                                      |
| <b>Genus Species</b>      | <i>Actinidia chinensis</i>                 |
| <b>Common Name</b>        | Kiwifruit                                  |
| <b>Synonym</b>            | Nil  |
| <b>Accepted Date</b>      | 17 May 2007                                |
| <b>Applicant</b>          | Donald Alfred Skelton, Huntly, New Zealand |
| <b>Agent</b>              | Global Plant IP Pty Ltd, Goondiwindi, QLD  |
| <b>Qualified Person</b>   | Ian Paananen                               |

**Details of Comparative Trial**

|                            |  |
|----------------------------|--|
| <b>Location</b>            | Tolga, QLD   |
| <b>Descriptor</b>          | Kiwifruit ( <i>Actinidia</i> ) TG/98/7   |
| <b>Period</b>              | February 2011 to February 2012   |
| <b>Conditions</b>          | Trial conducted with mature plants under a typical orchard trellis system and with typical management with uniform growing conditions. |
| <b>Trial Design</b>        | Random sampling from standard orchard spacing  |
| <b>Measurements</b>        | Randomly selected from all plants.   |
| <b>RHS Chart - edition</b> | 2007   |

**Origin and Breeding**

Controlled pollination: seed parent 'A124' x pollen parent 'RY' in 1975 at Rangiriri, NZ. The seed parent is characterised by a transverse elliptic fruit shape and strongly pointed protruding stylar end. The pollen parent is characterised by a male sex expression. The seedling fruited in 1999 and the unique and attractive features of the fruits were noted. Selection took place in Rangiriri, NZ. Selection criteria: yellow fruit flesh colour combined with good fruit taste, texture and shape. Propagation: vegetative grafts were found to be uniform and stable. Breeder: Donald Alfred Skelton, Huntly, NZ.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b> | <b>State of Expression in Group of Varieties</b> |
|-------------------------|----------------|--|
| Stem                    | thickness      | medium   |
| Stem                    | leaf scar      | flat   |
| Leaf blade              | variegation    | absent   |
| Fruit                   | colour of core | yellow white                                     |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b> | <b>Comments</b> |
|-------------|-----------------|
| 'Y368'      |                 |

**Varieties of Common Knowledge identified and subsequently excluded**

| <b>Variety</b> | <b>Distinguishing Characteristics</b> | <b>State of Expression in Candidate Variety</b> | <b>State of Expression in Comparator Variety</b> | <b>Comments</b> |
|----------------|---------------------------------------|---|--|-----------------|
| 'Hort16A'      | Time of maturity for harvest          | early   | late   |                 |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| <b>Organ/Plant Part: Context</b>  | <b>‘X60’</b>          | <b>‘Y368’</b>         |
|---|-----------------------|-----------------------|
| <input type="checkbox"/> *Plant: sex  | female                | female                |
| <input checked="" type="checkbox"/> Plant: vigour                             | weak to medium        | medium to strong      |
| <input type="checkbox"/> *Young shoot: density of hairs                       | medium                | medium to dense       |
| <input type="checkbox"/> *Young shoot: anthocyanin colouration of growing tip | absent or very weak   | absent or very weak   |
| <input type="checkbox"/> *Stem: thickness                                     | medium                | medium                |
| <input type="checkbox"/> *Stem: colour of shoot on sunny side                 | light brown           | light brown           |
| <input type="checkbox"/> Stem: texture of bark                                | moderately rough      | moderately rough      |
| <input type="checkbox"/> Stem: density of hairs                               | absent or sparse      | absent or sparse      |
| <input checked="" type="checkbox"/> *Stem: size of lenticels                  | medium                | very small            |
| <input type="checkbox"/> *Stem: number of lenticels                           | very few              | very few              |
| <input type="checkbox"/> *Stem: prominence of bud support                     | medium                | medium                |
| <input type="checkbox"/> *Stem: presence of bud cover                         | present               | present               |
| <input type="checkbox"/> Stem: leaf scar                                      | flat                  | flat                  |
| <input type="checkbox"/> *Stem: pith  | solid                 | solid                 |
| <input type="checkbox"/> *Leaf blade: shape                                   | ovate                 | ovate                 |
| <input checked="" type="checkbox"/> *Leaf blade: shape of apex                | rounded               | acuminate             |
| <input type="checkbox"/> *Leaf blade: basal lobes                             | slightly apart        | slightly apart        |
| <input type="checkbox"/> Leaf blade: density of hairs on upper side           | absent or very sparse | absent or very sparse |
| <input type="checkbox"/> Leaf blade: density of hairs on lower side           | medium                | medium                |
| <input type="checkbox"/> *Leaf blade: intensity of green colour of upper side | medium                | medium                |
| <input type="checkbox"/> *Leaf blade: colour of lower side                    | light green           | light green           |
| <input type="checkbox"/> Leaf blade: variegation                              | absent                | absent                |
| <input type="checkbox"/> Petiole: anthocyanin colouration of upper side       | absent or very weak   | weak                  |
| <input type="checkbox"/> *Fruit: weight                                       | medium                | medium to high        |

|                                     |  |                            |                         |
|-------------------------------------|--|----------------------------|-------------------------|
| <input type="checkbox"/>            | *Fruit: length                                 | medium                     | medium to long          |
| <input type="checkbox"/>            | *Fruit: width                                  | narrow to medium           | medium                  |
| <input type="checkbox"/>            | *Fruit: ratio length/width                     | weakly elongated to medium | weakly elongated        |
| <input type="checkbox"/>            | *Fruit: shape                                  | oblong                     | oblong                  |
| <input type="checkbox"/>            | *Fruit: shape in cross section (at median)     | circular                   | oblate                  |
| <input type="checkbox"/>            | *Fruit: styler end                             | weakly blunt protruding    | weakly blunt protruding |
| <input checked="" type="checkbox"/> | Fruit: degree of pointed protrusion            | weak                       | strong                  |
| <input checked="" type="checkbox"/> | Fruit: presence of calyx ring                  | absent or weak             | strong                  |
| <input type="checkbox"/>            | *Fruit: shape of shoulder at stalk end         | truncate                   | truncate                |
| <input type="checkbox"/>            | Fruit: conspicuousness of lenticels on skin    | strong                     | strong                  |
| <input type="checkbox"/>            | *Fruit: hairiness of skin                      | present                    | present                 |
| <input type="checkbox"/>            | *Fruit: density of hairs                       | sparse                     | sparse                  |
| <input type="checkbox"/>            | Fruit: colour of hairs                         | medium brown               | medium brown            |
| <input type="checkbox"/>            | *Fruit: adherence of hairs to skin             | weak                       | weak                    |
| <input type="checkbox"/>            | *Fruit: colour of skin                         | medium green               | greenish brown          |
| <input type="checkbox"/>            | Fruit: adherence of skin to flesh              | weak                       | weak                    |
| <input type="checkbox"/>            | *Fruit: colour of outer pericarp               | medium yellow              | medium yellow           |
| <input type="checkbox"/>            | *Fruit: colour of locules                      | medium yellow              | medium yellow           |
| <input type="checkbox"/>            | *Fruit: width of core relative to fruit        | small                      | small to medium         |
| <input type="checkbox"/>            | *Fruit: general shape of core in cross section | oblate                     | transverse elliptic     |
| <input type="checkbox"/>            | *Fruit: colour of core                         | yellow white               | yellow white            |
| <input checked="" type="checkbox"/> | Fruit: sweetness                               | medium                     | high                    |
| <input checked="" type="checkbox"/> | Fruit: acidity                                 | medium                     | low                     |
| <input type="checkbox"/>            | *Time of: vegetative bud burst                 | medium                     | medium                  |
| <input type="checkbox"/>            | *Time of: beginning of flowering               | medium to late             | late                    |
| <input type="checkbox"/>            | *Time of: maturity for harvest                 | early                      | early                   |

**Characteristics Additional to the Descriptor/TG**

| <b>Organ/Plant Part: Context</b>                | <b>'X60'</b> | <b>'Y368'</b> |
|---|--------------|---------------|
| <input type="checkbox"/> Fruit: weight (g)      | 90           | 110           |
| <input type="checkbox"/> Fruit: length (mm)     | 65           | 70            |
| <input type="checkbox"/> Fruit: width (mm)      | 50           | 45            |
| <input type="checkbox"/> Ripe Fruit: Brix (°Bx) | 15.7         | 16.4          |

**Prior Applications and Sales**

| <b>Country</b> | <b>Year</b> | <b>Current Status</b> | <b>Name Applied</b> |
|----------------|-------------|-----------------------|---------------------|
| USA            | 2008        | Granted               | 'X60'               |

Nil

Description: **Ian Paananen**, Crop & Nursery Services, Central Coast, NSW

**Details of Application**

|                           |  |
|---------------------------|--|
| <b>Application Number</b> | 2008/151                                   |
| <b>Variety Name</b>       | 'Z487'                                     |
| <b>Genus Species</b>      | <i>Actinidia chinensis</i>                 |
| <b>Common Name</b>        | Kiwifruit                                  |
| <b>Synonym</b>            | Nil  |
| <b>Accepted Date</b>      | 02 Jul 2008                                |
| <b>Applicant</b>          | Donald Alfred Skelton, Huntly, New Zealand |
| <b>Agent</b>              | Global Plant IP Pty Ltd, Goondiwindi, QLD  |
| <b>Qualified Person</b>   | Ian Paananen                               |

**Details of Comparative Trial**

|                                       |  |
|---------------------------------------|--|
| <b>Overseas Testing Authority</b>     | United States Patent and Trademark Office (USPTO)  |
| <b>Overseas Data Reference Number</b> | PP20,347   |
| <b>Location</b>                       | Tolga, QLD   |
| <b>Descriptor</b>                     | Actinidia  |
| <b>Period</b>                         | February 2011 to February 2012   |
| <b>Conditions</b>                     | Trial conducted with mature plants under a typical orchard trellis system and with typical management with uniform growing conditions. |
| <b>Trial Design</b>                   | Random sampling from standard orchard spacing and comparison to USPTO technical data.  |
| <b>Measurements</b>                   | Randomly selected from all plants.   |
| <b>RHS Chart - edition</b>            | 2007   |

**Origin and Breeding**

Controlled pollination: seed parent 'A124' x pollen parent 'RY' in 1975 at Rangiriri, NZ. The seed parent is characterised by a transverse elliptic fruit shape and very late time of maturity for fruit harvest. The pollen parent is characterised by a male sex expression. The seedling fruited in 1999 and the unique and attractive features of the fruits were noted. Selection took place in Rangiriri, NZ. Selection criteria: yellow fruit flesh colour combined with good fruit taste, texture and shape. Propagation: vegetative grafts were found to be uniform and stable. Breeder: Donald Alfred Skelton, Huntly, NZ.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>                       | <b>State of Expression in Group of Varieties</b> |
|-------------------------|--------------------------------------|--|
| Stem                    | thickness                            | medium   |
| Fruit                   | stylar end                           | weakly blunt protruding                          |
| Fruit                   | conspicuousness of lenticels on skin | strong   |
| Time of                 | maturity for harvest                 | very early to early                              |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b> | <b>Comments</b> |
|-------------|-----------------|
| 'X60'       |                 |
| 'Y368'      |                 |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety   | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments |
|-----------|--------------------------------|--|---|----------|
| 'Hort16A' | Time of maturity for harvest   | very early                               | late                                      |          |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context   | 'Z487'                | 'X60'                 | 'Y368'                |
|---|-----------------------|-----------------------|-----------------------|
| <input type="checkbox"/> *Plant: sex  | female                | female                | female                |
| <input checked="" type="checkbox"/> Plant: vigour                             | strong                | weak to medium        | medium to strong      |
| <input type="checkbox"/> *Young shoot: density of hairs                       | medium                | medium                | medium to dense       |
| <input type="checkbox"/> *Young shoot: anthocyanin colouration of growing tip | absent or very weak   | absent or very weak   | absent or very weak   |
| <input type="checkbox"/> *Stem: thickness                                     | medium                | medium                | medium                |
| <input type="checkbox"/> *Stem: colour of shoot on sunny side                 | light brown           | light brown           | light brown           |
| <input type="checkbox"/> Stem: texture of bark                                | moderately rough      | moderately rough      | moderately rough      |
| <input type="checkbox"/> Stem: density of hairs                               | absent or sparse      | absent or sparse      | absent or sparse      |
| <input checked="" type="checkbox"/> *Stem: size of lenticels                  | very small            | medium                | very small            |
| <input type="checkbox"/> *Stem: number of lenticels                           | very few              | very few              | very few              |
| <input type="checkbox"/> *Stem: prominence of bud support                     | medium                | medium                | medium                |
| <input type="checkbox"/> *Stem: presence of bud cover                         | present               | present               | present               |
| <input type="checkbox"/> Stem: leaf scar                                      | flat                  | flat                  | flat                  |
| <input type="checkbox"/> *Stem: pith  | solid                 | solid                 | solid                 |
| <input type="checkbox"/> *Leaf blade: shape                                   | ovate                 | ovate                 | ovate                 |
| <input checked="" type="checkbox"/> *Leaf blade: shape of apex                | rounded               | rounded               | acuminate             |
| <input type="checkbox"/> *Leaf blade: basal lobes                             | slightly apart        | slightly apart        | slightly apart        |
| <input type="checkbox"/> Leaf blade: density of hairs on upper side           | absent or very sparse | absent or very sparse | absent or very sparse |
| <input type="checkbox"/> Leaf blade: density of hairs on lower side           | medium                | medium                | medium                |
| <input type="checkbox"/> *Leaf blade: intensity of green colour of upper side | medium                | medium                | medium                |
| <input type="checkbox"/> *Leaf blade: colour of lower side                    | light green           | light green           | light green           |
| <input type="checkbox"/> Leaf blade: variegation                              | absent                | absent                | absent                |
| <input type="checkbox"/> Petiole: anthocyanin colouration of upper side       | absent or very weak   | absent or very weak   | weak                  |

|                                     |  |                            |                            |                         |
|-------------------------------------|--|----------------------------|----------------------------|-------------------------|
| <input type="checkbox"/>            | *Fruit: weight                                 | medium to high             | medium                     | medium to high          |
| <input type="checkbox"/>            | *Fruit: length                                 | medium to long             | medium                     | medium to long          |
| <input type="checkbox"/>            | *Fruit: width                                  | medium                     | narrow to medium           | medium                  |
| <input type="checkbox"/>            | *Fruit: ratio length/width                     | weakly elongated to medium | weakly elongated to medium | weakly elongated        |
| <input type="checkbox"/>            | *Fruit: shape                                  | oblong                     | oblong                     | oblong                  |
| <input type="checkbox"/>            | *Fruit: shape in cross section (at median)     | circular                   | circular                   | oblate                  |
| <input type="checkbox"/>            | *Fruit: styler end                             | weakly blunt protruding    | weakly blunt protruding    | weakly blunt protruding |
| <input checked="" type="checkbox"/> | Fruit: degree of pointed protusion             | strong                     | weak                       | strong                  |
| <input checked="" type="checkbox"/> | Fruit: presence of calyx ring                  | strong                     | absent or weak             | strong                  |
| <input type="checkbox"/>            | *Fruit: shape of shoulder at stalk end         | truncate                   | truncate                   | truncate                |
| <input type="checkbox"/>            | Fruit: conspicuousness of lenticels on skin    | strong                     | strong                     | strong                  |
| <input type="checkbox"/>            | *Fruit: hairiness of skin                      | present                    | present                    | present                 |
| <input type="checkbox"/>            | *Fruit: density of hairs                       | sparse                     | sparse                     | sparse                  |
| <input type="checkbox"/>            | Fruit: colour of hairs                         | medium brown               | medium brown               | medium brown            |
| <input type="checkbox"/>            | *Fruit: adherence of hairs to skin             | weak                       | weak                       | weak                    |
| <input type="checkbox"/>            | *Fruit: colour of skin                         | greenish brown             | medium green               | greenish brown          |
| <input type="checkbox"/>            | Fruit: adherence of skin to flesh              | weak                       | weak                       | weak                    |
| <input type="checkbox"/>            | *Fruit: colour of outer pericarp               | medium yellow              | medium yellow              | medium yellow           |
| <input type="checkbox"/>            | *Fruit: colour of locules                      | medium yellow              | medium yellow              | medium yellow           |
| <input type="checkbox"/>            | *Fruit: width of core relative to fruit        | small                      | small                      | small to medium         |
| <input type="checkbox"/>            | *Fruit: general shape of core in cross section | oblate                     | oblate                     | transverse elliptic     |
| <input type="checkbox"/>            | *Fruit: colour of core                         | yellow white               | yellow white               | yellow white            |
| <input checked="" type="checkbox"/> | Fruit: sweetness                               | medium                     | medium                     | high                    |
| <input checked="" type="checkbox"/> | Fruit: acidity                                 | medium                     | medium                     | low                     |
| <input checked="" type="checkbox"/> | *Time of: vegetative bud burst                 | early                      | medium                     | medium                  |
| <input type="checkbox"/>            | *Time of: beginning of flowering               | medium to late             | medium to late             | late                    |
| <input type="checkbox"/>            | *Time of: maturity for harvest                 | very early                 | early                      | early                   |

**Characteristics Additional to the Descriptor/TG**

| <b>Organ/Plant Part: Context</b>                | <b>'Z487'</b> | <b>'X60'</b> | <b>'Y368'</b> |
|---|---------------|--------------|---------------|
| <input type="checkbox"/> Fruit: weight (g)      | 100           | 90           | 110           |
| <input type="checkbox"/> Fruit: length (mm)     | 80            | 65           | 70            |
| <input type="checkbox"/> Fruit: width (mm)      | 65            | 50           | 45            |
| <input type="checkbox"/> Ripe Fruit: Brix (°Bx) | 14.6          | 15.7         | 16.4          |

**Prior Applications and Sales**

| <b>Country</b> | <b>Year</b> | <b>Current Status</b> | <b>Name Applied</b> |
|----------------|-------------|-----------------------|---------------------|
| USA            | 2008        | Granted               | 'Z487'              |

Nil

Description: **Ian Paananen**, Crop & Nursery Services, Central Coast, NSW



**Details of Application**

|                           |  |
|---------------------------|--|
| <b>Application Number</b> | 2007/164                                   |
| <b>Variety Name</b>       | 'W45'                                      |
| <b>Genus Species</b>      | <i>Actinidia chinensis</i>                 |
| <b>Common Name</b>        | Kiwifruit                                  |
| <b>Synonym</b>            | Nil  |
| <b>Accepted Date</b>      | 23 Aug 2007                                |
| <b>Applicant</b>          | Donald Alfred Skelton, Huntly, New Zealand |
| <b>Agent</b>              | Global Plant IP Pty Ltd, Goondiwindi, QLD  |
| <b>Qualified Person</b>   | Ian Paananen                               |

**Details of Comparative Trial**

|                                       |  |
|---------------------------------------|--|
| <b>Overseas Testing Authority</b>     | United States Patent and Trademark Office (USPTO)  |
| <b>Overseas Data Reference Number</b> | PP20,758   |
| <b>Location</b>                       | Tolga, QLD   |
| <b>Descriptor</b>                     | Kiwifruit ( <i>Actinidia</i> ) TG/98/7   |
| <b>Period</b>                         | February 2011 to February 2012   |
| <b>Conditions</b>                     | Trial conducted with mature plants under a typical orchard trellis system and with typical management with uniform growing conditions. |
| <b>Trial Design</b>                   | Random sampling from standard orchard spacing and comparison to USPTO technical data.  |
| <b>Measurements</b>                   | Randomly selected from all plants.   |
| <b>RHS Chart - edition</b>            | 2007   |

**Origin and Breeding**

Controlled pollination: seed parent 'R55' x pollen parent 'CMW85' in 1975 at Rangiriri, NZ. The seed parent is characterised by a medium fruit size, brown colour of fruit skin and late time of vegetative bud burst. The pollen parent is characterised by a male sex expression. The seedling fruited in 2001 and the unique and attractive features of the fruits were noted. Selection took place in Rangiriri, NZ. Selection criteria: yellow green fruit flesh colour combined with good fruit taste, texture and shape. Propagation: vegetative grafts were found to be uniform and stable. Breeder: Donald Alfred Skelton, Huntly, NZ.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>             | <b>State of Expression in Group of Varieties</b> |
|-------------------------|----------------------------|--|
| Fruit                   | adherence of hairs to skin | weak   |
| Leaf blade              | shape                      | ovate  |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b> | <b>Comments</b> |
|-------------|-----------------|
| 'W47'       |                 |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety   | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments |
|-----------|--------------------------------|--|---|----------|
| 'Hort16A' | Fruit colour of outer pericarp | yellow green                             | yellow                                    |          |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context   | 'W45'                 | 'W45' (OS data)                                | 'W47'                 |
|---|-----------------------|--|-----------------------|
| <input type="checkbox"/> *Plant: sex  | female                | female   | female                |
| <input checked="" type="checkbox"/> Plant: vigour                             | weak                  | moderate                                       | medium                |
| <input type="checkbox"/> *Young shoot: density of hairs                       | medium                | non-pubescent                                  | medium                |
| <input type="checkbox"/> *Young shoot: anthocyanin colouration of growing tip | absent or very weak   |  | absent or very weak   |
| <input type="checkbox"/> *Stem: thickness                                     | medium                | Avg. 1 cm.                                     | medium                |
| <input type="checkbox"/> *Stem: colour of shoot on sunny side                 | light brown           |  | yellow brown          |
| <input type="checkbox"/> Stem: texture of bark                                | moderately rough      | rough  | moderately rough      |
| <input type="checkbox"/> Stem: density of hairs                               | absent or sparse      |  | absent or sparse      |
| <input type="checkbox"/> *Stem: size of lenticels                             | medium                | lenticels either not present or barely visible | medium                |
| <input type="checkbox"/> *Stem: number of lenticels                           | very few to few       |  | few                   |
| <input type="checkbox"/> *Stem: prominence of bud support                     | medium                |  | medium                |
| <input type="checkbox"/> *Stem: presence of bud cover                         | present               |  | present               |
| <input type="checkbox"/> Stem: leaf scar                                      | flat                  |  | flat                  |
| <input type="checkbox"/> *Stem: pith  | solid                 |  | solid                 |
| <input type="checkbox"/> *Leaf blade: shape                                   | ovate                 | broadly ovate.                                 | ovate                 |
| <input checked="" type="checkbox"/> *Leaf blade: shape of apex                | acuminate             | rounded  | rounded               |
| <input type="checkbox"/> *Leaf blade: basal lobes                             | slightly apart        | not overlapping.                               | slightly apart        |
| <input type="checkbox"/> Leaf blade: density of hairs on upper side           | absent or very sparse | non-pubescent                                  | absent or very sparse |
| <input type="checkbox"/> Leaf blade: density of hairs on lower side           | medium                | non-pubescent                                  | medium                |
| <input type="checkbox"/> *Leaf blade: intensity of green colour of upper side | medium                | near RHS Green 137A                            | medium                |
| <input type="checkbox"/> *Leaf blade: colour of lower side                    | light green           | near RHS Green 141B.                           | light green           |

|                                     |  |                            |                             |                         |
|-------------------------------------|--|----------------------------|-----------------------------|-------------------------|
| <input type="checkbox"/>            | Leaf blade: variegation                        | absent                     |                             | absent                  |
| <input type="checkbox"/>            | Petiole: anthocyanin colouration of upper side | absent or very weak        | strong flush of Red 53C     | absent or very weak     |
| <input type="checkbox"/>            | *Fruit: weight                                 | high                       |                             | medium to high          |
| <input type="checkbox"/>            | *Fruit: length                                 | medium to long             |                             | medium                  |
| <input type="checkbox"/>            | *Fruit: width                                  | medium                     |                             | medium                  |
| <input type="checkbox"/>            | *Fruit: ratio length/width                     | weakly elongated to medium |                             | medium                  |
| <input type="checkbox"/>            | *Fruit: shape                                  | oblong                     | broad ovoid                 | oblong                  |
| <input type="checkbox"/>            | *Fruit: shape in cross section (at median)     | circular                   | circular                    | oblate                  |
| <input type="checkbox"/>            | *Fruit: stylar end                             | weakly blunt protruding    | slightly blunt.             | weakly blunt protruding |
| <input checked="" type="checkbox"/> | Fruit: degree of pointed protrusion            | strong                     |                             | weak                    |
| <input checked="" type="checkbox"/> | Fruit: presence of calyx ring                  | strong                     | strong                      | absent or weak          |
| <input type="checkbox"/>            | *Fruit: shape of shoulder at stalk end         | truncate                   | squared                     | truncate                |
| <input type="checkbox"/>            | Fruit: conspicuousness of lenticels on skin    | strong                     | not present.                | strong                  |
| <input type="checkbox"/>            | *Fruit: hairiness of skin                      | present                    | downy                       | present                 |
| <input type="checkbox"/>            | *Fruit: density of hairs                       | sparse                     |                             | sparse                  |
| <input type="checkbox"/>            | Fruit: colour of hairs                         | medium brown               |                             | medium brown            |
| <input type="checkbox"/>            | *Fruit: adherence of hairs to skin             | weak                       | weak                        | weak                    |
| <input checked="" type="checkbox"/> | *Fruit: colour of skin                         | medium green               | near RHS Yellow-Green 144A  | light brown             |
| <input type="checkbox"/>            | Fruit: adherence of skin to flesh              | weak                       | Moderate                    | weak                    |
| <input type="checkbox"/>            | *Fruit: colour of outer pericarp               | greenish yellow            | near RHS Yellow-Green 145B. | greenish yellow         |
| <input type="checkbox"/>            | *Fruit: colour of locules                      | greenish yellow            |                             | greenish yellow         |
| <input type="checkbox"/>            | *Fruit: width of core relative to fruit        | small                      |                             | small                   |
| <input type="checkbox"/>            | *Fruit: general shape of core in cross section | oblate                     | transversely elliptic.      | oblate                  |
| <input type="checkbox"/>            | *Fruit: colour of core                         | yellow white               |                             | yellow white            |
| <input type="checkbox"/>            | Fruit: sweetness                               | medium to high             |                             | medium to high          |
| <input type="checkbox"/>            | Fruit: acidity                                 | low to medium              |                             | medium                  |
| <input checked="" type="checkbox"/> | *Time of: vegetative bud burst                 | early                      |                             | medium                  |
| <input checked="" type="checkbox"/> | *Time of: beginning of flowering               | early                      |                             | late                    |
| <input type="checkbox"/>            | *Time of: maturity for harvest                 | late                       | mid April                   | late                    |

**Characteristics Additional to the Descriptor/TG**

| <b>Organ/Plant Part: Context</b>                | <b>'W45'</b> | <b>'W45' (OS data)</b> | <b>'W47'</b> |
|---|--------------|------------------------|--------------|
| <input type="checkbox"/> Fruit: weight (g)      | 125          | 124                    | 100          |
| <input type="checkbox"/> Fruit: length (mm)     | 75           | 65                     | 65           |
| <input type="checkbox"/> Fruit: width (mm)      | 65           | 57                     | 60           |
| <input type="checkbox"/> Ripe Fruit: Brix (°Bx) | 17           | 16.5                   | 12           |

**Prior Applications and Sales**

| <b>Country</b> | <b>Year</b> | <b>Current Status</b> | <b>Name Applied</b> |
|----------------|-------------|-----------------------|---------------------|
| USA            | 2008        | Granted               | 'W45'               |

Nil

Description: **Ian Paananen**, Crop & Nursery Services, Central Coast, NSW

**Details of Application**

|                           |  |
|---------------------------|--|
| <b>Application Number</b> | 2007/102                                   |
| <b>Variety Name</b>       | 'Y118'                                     |
| <b>Genus Species</b>      | <i>Actinidia chinensis</i>                 |
| <b>Common Name</b>        | Kiwifruit                                  |
| <b>Synonym</b>            | Nil  |
| <b>Accepted Date</b>      | 09 May 2007                                |
| <b>Applicant</b>          | Donald Alfred Skelton, Huntly, New Zealand |
| <b>Agent</b>              | Global Plant IP Pty Ltd, Goondiwindi, QLD  |
| <b>Qualified Person</b>   | Ian Paananen                               |

**Details of Comparative Trial**

|                            |  |
|----------------------------|--|
| <b>Location</b>            | Tolga, QLD   |
| <b>Descriptor</b>          | Kiwifruit ( <i>Actinidia</i> ) TG/98/7   |
| <b>Period</b>              | February 2011 to February 2012   |
| <b>Conditions</b>          | Trial conducted with mature plants under a typical orchard trellis system and with typical management with uniform growing conditions. |
| <b>Trial Design</b>        | Random sampling from standard orchard spacing  |
| <b>Measurements</b>        | Randomly selected from all plants.   |
| <b>RHS Chart - edition</b> | 2007   |

**Origin and Breeding**

Controlled pollination: seed parent 'R5' x pollen parent 'RY' in 1975 at Rangiriri, NZ. The seed parent is characterised by a small fruit size and late season. The pollen parent is characterised by a male sex expression. The seedling fruited in 1999 and the unique and attractive features of the fruits were noted. Selection took place in Rangiriri, NZ. Selection criteria: yellow green fruit flesh colour combined with good fruit taste, texture and shape. Propagation: vegetative grafts were found to be uniform and stable. Breeder: Donald Alfred Skelton, Huntly, NZ.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b> | <b>State of Expression in Group of Varieties</b> |
|-------------------------|----------------|--|
| Stem                    | thickness      | medium   |
| Stem                    | pith           | solid  |
| Leaf blade              | shape of apex  | rounded  |
| Fruit                   | shape          | oblong   |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b> | <b>Comments</b> |
|-------------|-----------------|
| 'S600'      |                 |
| 'X60'       |                 |

**Varieties of Common Knowledge identified and subsequently excluded**

| <b>Variety</b> | <b>Distinguishing Characteristics</b> | <b>State of Expression in Candidate Variety</b> | <b>State of Expression in Comparator Variety</b> | <b>Comments</b> |
|----------------|---------------------------------------|---|--|-----------------|
| 'Hort16A'      | Time of maturity for harvest          | early to medium                                 | late   |                 |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context  | 'Y118'                | 'S600'                | 'X60'                 |
|--|-----------------------|-----------------------|-----------------------|
| <input type="checkbox"/> *Plant: sex   | female                | female                | female                |
| <input checked="" type="checkbox"/> Plant: vigour                              | weak                  | strong                | weak to medium        |
| <input type="checkbox"/> *Young shoot: density of hairs                        | medium                | medium                | medium                |
| <input type="checkbox"/> *Young shoot: anthocyanin colouration of growing tip  | absent or very weak   | absent or very weak   | absent or very weak   |
| <input type="checkbox"/> *Stem: thickness                                      | medium                | medium                | medium                |
| <input type="checkbox"/> *Stem: colour of shoot on sunny side                  | light brown           | light brown           | light brown           |
| <input type="checkbox"/> Stem: texture of bark                                 | moderately rough      | moderately rough      | moderately rough      |
| <input type="checkbox"/> Stem: density of hairs                                | absent or sparse      | absent or sparse      | absent or sparse      |
| <input checked="" type="checkbox"/> *Stem: size of lenticels                   | medium                | small                 | medium                |
| <input checked="" type="checkbox"/> *Stem: number of lenticels                 | medium                | very few              | very few              |
| <input type="checkbox"/> *Stem: prominence of bud support                      | medium                | medium                | medium                |
| <input type="checkbox"/> *Stem: presence of bud cover                          | present               | present               | present               |
| <input type="checkbox"/> Stem: leaf scar                                       | flat                  | flat                  | flat                  |
| <input type="checkbox"/> *Stem: pith   | solid                 | solid                 | solid                 |
| <input type="checkbox"/> *Leaf blade: shape                                    | ovate                 | ovate                 | ovate                 |
| <input type="checkbox"/> *Leaf blade: shape of apex                            | rounded               | rounded               | rounded               |
| <input type="checkbox"/> *Leaf blade: basal lobes                              | slightly apart        | slightly apart        | slightly apart        |
| <input type="checkbox"/> Leaf blade: density of hairs on upper side            | absent or very sparse | absent or very sparse | absent or very sparse |
| <input checked="" type="checkbox"/> Leaf blade: density of hairs on lower side | medium                | absent or very sparse | medium                |
| <input type="checkbox"/> *Leaf blade: intensity of green colour of upper side  | medium                | medium                | medium                |
| <input type="checkbox"/> *Leaf blade: colour of lower side                     | light green           | light green           | light green           |
| <input type="checkbox"/> Leaf blade: variegation                               | absent                | absent                | absent                |
| <input type="checkbox"/> Petiole: anthocyanin colouration                      | absent or very weak   | absent or very weak   | absent or very weak   |

of upper side

|                                     |  |                         |                         |                            |
|-------------------------------------|--|-------------------------|-------------------------|----------------------------|
| <input type="checkbox"/>            | *Fruit: weight                                 | medium to high          | medium to high          | medium                     |
| <input type="checkbox"/>            | *Fruit: length                                 | medium to long          | medium                  | medium                     |
| <input type="checkbox"/>            | *Fruit: width                                  | medium                  | medium                  | narrow to medium           |
| <input checked="" type="checkbox"/> | *Fruit: ratio length/width                     | weakly elongated        | medium                  | weakly elongated to medium |
| <input type="checkbox"/>            | *Fruit: shape                                  | oblong                  | oblong                  | oblong                     |
| <input type="checkbox"/>            | *Fruit: shape in cross section (at median)     | circular                | oblate                  | circular                   |
| <input type="checkbox"/>            | *Fruit: stylar end                             | weakly blunt protruding | weakly blunt protruding | weakly blunt protruding    |
| <input checked="" type="checkbox"/> | Fruit: degree of pointed protrusion            | weak                    | strong                  | weak                       |
| <input checked="" type="checkbox"/> | Fruit: presence of calyx ring                  | absent or weak          | strong                  | absent or weak             |
| <input type="checkbox"/>            | *Fruit: shape of shoulder at stalk end         | truncate                | truncate                | truncate                   |
| <input type="checkbox"/>            | Fruit: conspicuousness of lenticels on skin    | strong                  | strong                  | strong                     |
| <input type="checkbox"/>            | *Fruit: hairiness of skin                      | present                 | present                 | present                    |
| <input type="checkbox"/>            | *Fruit: density of hairs                       | sparse                  | sparse                  | sparse                     |
| <input type="checkbox"/>            | Fruit: colour of hairs                         | medium brown            | medium brown            | medium brown               |
| <input type="checkbox"/>            | *Fruit: adherence of hairs to skin             | weak                    | weak                    | weak                       |
| <input type="checkbox"/>            | *Fruit: colour of skin                         | greenish brown          | greenish brown          | medium green               |
| <input type="checkbox"/>            | Fruit: adherence of skin to flesh              | weak                    | weak                    | weak                       |
| <input checked="" type="checkbox"/> | *Fruit: colour of outer pericarp               | light green             | light green             | medium yellow              |
| <input type="checkbox"/>            | *Fruit: colour of locules                      | greenish yellow         | greenish yellow         | medium yellow              |
| <input type="checkbox"/>            | *Fruit: width of core relative to fruit        | small                   | small                   | small                      |
| <input type="checkbox"/>            | *Fruit: general shape of core in cross section | oblate                  | circular                | oblate                     |
| <input type="checkbox"/>            | *Fruit: colour of core                         | greenish white          | greenish white          | yellow white               |

|                                     |                                  |                 |                |                |
|-------------------------------------|----------------------------------|-----------------|----------------|----------------|
| <input checked="" type="checkbox"/> | Fruit: sweetness                 | high            | medium         | medium         |
| <input checked="" type="checkbox"/> | Fruit: acidity                   | medium          | high           | medium         |
| <input type="checkbox"/>            | *Time of: vegetative bud burst   | medium          | medium         | medium         |
| <input type="checkbox"/>            | *Time of: beginning of flowering | medium          | medium to late | medium to late |
| <input type="checkbox"/>            | *Time of: maturity for harvest   | early to medium | medium         | early          |

| <b>Organ/Plant Part: Context</b>                | <b>'Y118'</b> | <b>'S600'</b> | <b>'X60'</b> |
|---|---------------|---------------|--------------|
| <input type="checkbox"/> Fruit: weight (g)      | 110           | 105           | 90           |
| <input type="checkbox"/> Fruit: length (mm)     | 85            | 60            | 65           |
| <input type="checkbox"/> Fruit: width (mm)      | 55            | 60            | 50           |
| <input type="checkbox"/> Ripe Fruit: Brix (°Bx) | 16.3          | 13.6          | 15.7         |

#### **Prior Applications and Sales**

| <b>Country</b> | <b>Year</b> | <b>Current Status</b> | <b>Name Applied</b> |
|----------------|-------------|-----------------------|---------------------|
| USA            | 2008        | Granted               | 'Y118'              |

Nil

Description: **Ian Paananen**, Crop & Nursery Services, Central Coast, NSW



**Details of Application**

|                           |   |
|---------------------------|---|
| <b>Application Number</b> | 2010/209                                      |
| <b>Variety Name</b>       | 'TB01'  |
| <b>Genus Species</b>      | <i>Tibouchina urvilleana</i>                  |
| <b>Common Name</b>        | Lasiandra                                     |
| <b>Synonym</b>            | Nil   |
| <b>Accepted Date</b>      | 15 Dec 2010                                   |
| <b>Applicant</b>          | Dawn Rothay Nurseries, Whenuapai, New Zealand |
| <b>Agent</b>              | Ozbreed Pty Ltd, Clarendon, NSW               |
| <b>Qualified Person</b>   | Peter Abell                                   |

**Details of Comparative Trial**

|                            |   |
|----------------------------|---|
| <b>Location</b>            | Ozbreed, Cupitts Lane, Clarendon, NSW   |
| <b>Descriptor</b>          | National Descriptor for Tibouchina (PBR TIBO)   |
| <b>Period</b>              | September 2011 to August 2012   |
| <b>Conditions</b>          | Shade-house with automatic overhead irrigation. Climatic conditions typical for the area near Windsor for the summer to winter period of the trial. Plants were potted into 200mm pots and fertilised with a single top dressing of controlled release fertiliser which lasted for the period of the trial. |
| <b>Trial Design</b>        | Two blocks each containing 15 plants of each of the candidate and nearest variety of common knowledge (VCK). All plants were reproduced from cuttings.  |
| <b>Measurements</b>        | The data taken reflects the characteristics of the candidate variety and how it differs from the most similar VCK.  |
| <b>RHS Chart - edition</b> | 2007  |

**Origin and Breeding**

Spontaneous mutation: In 2006, one plant from a batch of 500 *Tibouchina urvilleana* 'Edwardsii' growing at the nursery threw a sport. The sport had variegated green, yellow and pink leaves unlike the normal green colour of the parent. The sport was grown from cuttings over several generations to test its stability. Over four propagation cycles the variety designated 'TB01' was seen as uniform and stable. Selection criteria: variegated foliage. Breeder: Alan Haggio, Dawn Rothay Nurseries, Whenuapai, New Zealand.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>  | <b>State of Expression in Group of Varieties</b> |
|-------------------------|-----------------|--|
| Plant                   | growth habit    | bushy  |
| Leaf                    | size            | medium   |
| Leaf                    | arrangement     | opposite and decussate                           |
| Leaf                    | length of blade | medium   |
| Leaf                    | width of blade  | medium   |
| Leaf                    | shape of blade  | ovate  |
| Leaf                    | green colour    | medium   |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b> | <b>Comments</b>  |
|-------------|------------------|
| 'Edwardsii' | Parental variety |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| <b>Organ/Plant Part: Context</b>  | <b>‘TB01’</b>          | <b>‘Edwardsii’</b>     |
|---|------------------------|------------------------|
| <input type="checkbox"/> Plant: type                                      | shrub                  | shrub                  |
| <input type="checkbox"/> Plant: growth habit                              | bushy                  | bushy                  |
| <input checked="" type="checkbox"/> Plant: height                         | medium                 | tall                   |
| <input checked="" type="checkbox"/> Plant: time of beginning of flowering | late                   | early                  |
| <input type="checkbox"/> Stem: degree of hairiness                        | medium                 | medium                 |
| <input checked="" type="checkbox"/> Young shoot: anthocyanin colouration  | medium                 | weak                   |
| <input type="checkbox"/> Leaf: type                                       | simple                 | simple                 |
| <input type="checkbox"/> Leaf: size                                       | medium                 | medium                 |
| <input type="checkbox"/> Leaf: arrangement                                | opposite and decussate | opposite and decussate |
| <input type="checkbox"/> Leaf: length of blade                            | medium                 | medium                 |
| <input type="checkbox"/> Leaf: width of blade                             | medium                 | medium                 |
| <input type="checkbox"/> Leaf: length of petiole                          | medium                 | medium                 |
| <input type="checkbox"/> Leaf: shape of blade                             | ovate                  | ovate                  |
| <input type="checkbox"/> Leaf: shape of apex                              | acuminate              | acuminate              |
| <input type="checkbox"/> Leaf: shape of base                              | obtuse                 | obtuse                 |
| <input type="checkbox"/> Leaf: incision of margin                         | absent                 | absent                 |
| <input type="checkbox"/> Leaf: type of margin                             | ciliate                | ciliate                |
| <input checked="" type="checkbox"/> Leaf: colour of margin                | red                    | pink                   |
| <input type="checkbox"/> Leaf: shape of cross-section                     | recurved               | recurved               |
| <input type="checkbox"/> Leaf: curvature of longitudinal axis             | incurved               | incurved               |
| <input type="checkbox"/> Leaf: glossiness of upper side                   | very weak              | very weak              |
| <input type="checkbox"/> Leaf: green colour                               | medium                 | medium                 |
| <input checked="" type="checkbox"/> Leaf: presence of variegation         | present                | absent                 |
| <input type="checkbox"/> Leaf: type of variegation                        | random                 | N/A                    |
| <input type="checkbox"/> Leaf: degree of variegation                      | medium                 | N/A                    |
| <input type="checkbox"/> Leaf: primary colour (RHS colour chart)          | 137B                   | 137A                   |
| <input type="checkbox"/> Leaf: secondary colour (RHS colour chart)        | 145A                   | N/A                    |
| <input type="checkbox"/> Leaf: tertiary colour (RHS colour chart)         | 47C                    | N/A                    |
| <input checked="" type="checkbox"/> Leaf: number of colours               | three or more          | one                    |
| <input type="checkbox"/> Leaf: border between colours                     | clearly defined        | N/A                    |

**Prior Applications and Sales**

| <b>Country</b> | <b>Year</b> | <b>Current Status</b> | <b>Name Applied</b> |
|----------------|-------------|-----------------------|---------------------|
| New Zealand    | 2010        | Applied               | 'TB01'              |

Prior sale nil.

Description: **Peter Abell**, SPROCZ Pty Ltd, Bilpin, NSW.

**Details of Application**

|                           |  |
|---------------------------|--|
| <b>Application Number</b> | 2011/286   |
| <b>Variety Name</b>       | ‘Duplex’   |
| <b>Genus Species</b>      | <i>Lactuca sativa</i>                                    |
| <b>Common Name</b>        | Lettuce  |
| <b>Synonym</b>            | Nil  |
| <b>Accepted Date</b>      | 05 Jan 2012  |
| <b>Applicant</b>          | Rijk Zwaan Zaadteelt en Zaadhandel B.V., The Netherlands |
| <b>Agent</b>              | Rijk Zwaan Australia Pty. Dayelsford, VIC                |
| <b>Qualified Person</b>   | Arie Baelde  |

**Details of Comparative Trial**

|                                       |   |
|---------------------------------------|---|
| <b>Overseas Testing Authority</b>     | Raad voor Plantenrassen,, The Netherlands |
| <b>Overseas Data Reference Number</b> | SLA02872 TP/13/4                          |
| <b>Location</b>                       | Roelofarendsveen / The Netherlands        |
| <b>Descriptor</b>                     | UPOVTG Lettuce 13/10                      |
| <b>Period</b>                         | 2011                                      |

**Origin and Breeding**

Controlled Pollination: Unnamed Rijk Zwaan breeding line x ‘Terragon’ using modified line and pedigree selection method to select ‘Duplex’. Main selection criteria: *Bremia* resistance, multileaf-trait, intense red colour and no tipburn. We used a modified line and pedigree selection method to select Duplex out of a cross between Terragon and a Rijk Zwaan breeding line with advanced resistance to *Bremia lactucae*. The seed parent is susceptible to *Bremia lactucae* BI:27 isolate and the pollen parent is susceptible to *Bremia lactucae* BI:26 isolate. Breeders name: Rijk Zwaan Zaadteelt en Zaadhandel B.V.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b>                               | <b>Context</b>                                    | <b>State of Expression in Group of Varieties</b> |
|---|---|--|
| Plant   | diameter  | small to medium                                  |
| Seedling  | anthocyanin colouration                           | present  |
| Plant   | head formation                                    | no head  |
| Leaf  | blistering  | absent or very weak                              |
| Leaf  | hue of green colour of outer leaves               | reddish  |
| Leaf  | anthocyanin colouration                           | present  |
| Time  | of beginning of bolting under long day conditions | very late  |
| Resistance to Downy mildew ( <i>Bremia lactucae</i> ) | BI: 23  | present  |

**Most Similar Varieties of Common Knowledge identified (VCK)**

‘Jadigon’  
‘Terragon’

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety    | Distinguishing Characteristics | State of Expression in Candidate Variety          | State of Expression in Comparator Variety |             |
|------------|--------------------------------|---|---|-------------|
| 'Ezra'     | Plant                          | Nr:0-resistance                                   | present                                   | absent      |
| 'Ezra'     | Leaf                           | degree of undulation of margin                    | medium                                    | strong      |
| 'Triplex'  | Leaf                           | intensity of anthocyanin colouration              | strong                                    | very strong |
| 'Madrigon' | Seed                           | colour  | black                                     | white       |
| 'Madrigon' | Plant                          | <i>Bremecia lactucae</i> Isolate BI.28 resistance | present                                   | absent      |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context   | 'Duplex'            | 'Jadigon'             | 'Teragon'                   |
|---|---------------------|-----------------------|-----------------------------|
| <input checked="" type="checkbox"/> *Seed: colour   | black               | white                 | white                       |
| <input type="checkbox"/> *Seedling: anthocyanin colouration                                   | present             | present               | present                     |
| <input type="checkbox"/> *Plant: diameter   | small to medium     | medium                | small to medium             |
| <input type="checkbox"/> *Plant: head formation   | no head             | no head               | no head                     |
| <input type="checkbox"/> *Leaf: hue of green colour of outer leaves                           | reddish             | reddish               | reddish                     |
| <input type="checkbox"/> *Leaf: intensity of colour of outer leaves                           | dark                | medium to dark        | dark to very dark           |
| <input type="checkbox"/> *Leaf: anthocyanin colouration                                       | present             | present               | present                     |
| <input type="checkbox"/> *Leaf: intensity of anthocyanin colouration                          | strong              | medium to strong      | strong to very strong       |
| <input checked="" type="checkbox"/> Leaf: distribution of anthocyanin                         | entire              | localised             | localised                   |
| <input type="checkbox"/> *Leaf: blistering  | absent or very weak | absent or very weak   | absent or very weak to weak |
| <input checked="" type="checkbox"/> *Leaf blade: degree of undulation of margin               | medium              | strong to very strong | strong to very strong       |
| <input checked="" type="checkbox"/> *Leaf blade: depth of incisions on margin on apical part  | medium to deep      | shallow               | shallow                     |
| <input checked="" type="checkbox"/> Leaf blade: density of incisions on margin on apical part | medium              | dense to very dense   | dense to very dense         |
| <input type="checkbox"/> Time of: harvest maturity  | medium              | medium                | early to medium             |
| <input type="checkbox"/> *Time of: beginning of bolting under long day conditions             | very late           | very late             | very late                   |
| <input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate B1 21 | present             | present               | present                     |

|                                     |   |         |         |         |
|-------------------------------------|---|---------|---------|---------|
| <input type="checkbox"/>            | Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate B1 18  | present | present | present |
| <input type="checkbox"/>            | Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate B1 17  | present |         |         |
| <input type="checkbox"/>            | Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate B1 5   | present |         |         |
| <input type="checkbox"/>            | *Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate B1 23 | present | present | present |
| <input type="checkbox"/>            | Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate B1 22  | present | present | present |
| <input type="checkbox"/>            | Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate B1 12  | present |         |         |
| <input type="checkbox"/>            | Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate B1 15  | present |         |         |
| <input type="checkbox"/>            | Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate B1 2   | present |         |         |
| <input type="checkbox"/>            | Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate B1 16  | present | present | present |
| <input type="checkbox"/>            | Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate B1 7   | present |         |         |
| <input type="checkbox"/>            | Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate B1 24  | present | present | absent  |
| <input type="checkbox"/>            | Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate B1 14  | present |         |         |
| <input type="checkbox"/>            | Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate B1 20  | present | present | present |
| <input checked="" type="checkbox"/> | Resistance to: lettuce mosaic virus Strain Ls 1                       | absent  | absent  | present |

#### **Characteristics Additional to the Descriptor/TG**

| <b>Organ/Plant Part: Context</b>   | <b>'Duplex'</b> | <b>'Jadigon'</b> | <b>'Teragon'</b> |
|--|-----------------|------------------|------------------|
| <input type="checkbox"/> Resistance to: <i>Nasonovia ribisnigri</i>              | present         | present          | present          |
| <input type="checkbox"/> Resistance to: <i>Bremia lactucae</i> Bl:28             | present         | present          | present          |
| <input checked="" type="checkbox"/> Resistance to : <i>Bremia Lactucae</i> Bl:26 | present         | present          | absent           |

#### **Prior Applications and Sales**

| <b>Country</b>  | <b>Year</b> | <b>Current Status</b> | <b>Name Applied</b> |
|-----------------|-------------|-----------------------|---------------------|
| The Netherlands | 2010        | Granted               | 'Duplex'            |
| European Union  | 2010        | Pending               | 'Duplex'            |

First sold in France and Australia in December 2010.

Description: **Arie Baelde**, Daylesford, VIC.

**Details of Application**

|                           |  |
|---------------------------|--|
| <b>Application Number</b> | 2006/176   |
| <b>Variety Name</b>       | 'Moria'  |
| <b>Genus Species</b>      | <i>Citrus reticulata</i>   |
| <b>Coon Name</b>          | Mandarin   |
| <b>Synonym</b>            | Nil  |
| <b>Accepted Date</b>      | 26 Jul 2006  |
| <b>Applicant</b>          | The State of Israel - Ministry of Agriculture & Rural Development Agricultural Research Organisation, Beit-Dagan, Israel |
| <b>Agent</b>              | Australian Nurserymen's Fruit Improvement Company Limited, Kallangur, QLD  |
| <b>Qualified Person</b>   | Gavin Porter   |

**Details of Comparative Trial**

|                                       |  |
|---------------------------------------|--|
| <b>Overseas Testing Authority</b>     | US Patent and Trademarks Office  |
| <b>Overseas Data Reference Number</b> | PP13460  |
| <b>Location</b>                       | The states of expression were verified under Australian conditions where possible. |
| <b>Descriptor</b>                     | UPOV TG <i>Citrus</i> L. Mandarins 201/1   |

**Origin and Breeding**

Induced mutation: 'Murcott'. In the spring of 1986 and 1987, 400 buds of 'Murcott' were irradiated by exposure to 3.5-4 Krad of gamma radiation from Co60 source. The irradiated buds were grafted and after 6 months were regrafted. Field planting was established in 1988 and 1989. The first fruits were observed in 1990 and 1991.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Coon Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b> | <b>State of Expression in Group of Varieties</b> |
|-------------------------|----------------|--|
| Plant                   | ploidy         | diploid  |
| Fruit                   | diameter       | medium   |
| Fruit                   | Parthenocarpy  | absent   |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b> | <b>Coents</b> |
|-------------|---------------|
| 'Murcott'   | parent        |

**Variety Description and Distinctness - Nominate Distinguishing Characteristics (tick) which distinguish the candidate from one or more of the comparators**

| Organ/Plant Part: Context  | 'Moria'           | 'Moria'<br>(O/S data)      | 'Murcott'       |
|--|-------------------|----------------------------|-----------------|
| <input type="checkbox"/> Ploidy:   | diploid           | diploid                    | diploid         |
| <input type="checkbox"/> *Tree: growth habit   | spreading*        | upright                    | upright         |
| <input type="checkbox"/> Tree: density of spines   | intermediate      | intermediate               |                 |
| <input type="checkbox"/> Tree: length of spines  | medium*           | very short to short        |                 |
| <input type="checkbox"/> Leaf blade: length  | short             | short to medium            | short to medium |
| <input type="checkbox"/> Leaf blade: width   | medium            | medium                     | medium          |
| <input type="checkbox"/> Leaf blade: ratio length/width                                      | medium            | medium                     | small to medium |
| <input type="checkbox"/> Leaf blade: shape in cross section                                  | strongly concave* | straight or weakly concave |                 |
| <input type="checkbox"/> Leaf blade: twisting  | absent or weak    | absent or weak             |                 |
| <input type="checkbox"/> Leaf blade: blistering  | absent or weak    | absent or weak             |                 |
| <input type="checkbox"/> Leaf blade: green colour  | medium to dark    | medium to dark             |                 |
| <input type="checkbox"/> Leaf blade: undulation of margin                                    | absent or weak    | absent or weak             |                 |
| <input type="checkbox"/> Leaf blade: incisions of margin                                     | crenate           |                            |                 |
| <input type="checkbox"/> Leaf blade: shape of apex   | obtuse            |                            |                 |
| <input type="checkbox"/> Leaf blade: emargination at tip                                     | present           |                            |                 |
| <input type="checkbox"/> Petiole: length   | short to medium   | short to medium            | short to medium |
| <input type="checkbox"/> Petiole: presence of wings  | present*          | absent                     | present         |
| <input type="checkbox"/> Petiole: width of wings (varieties with petiole wings present only) | very narrow       |                            | very narrow     |
| <input type="checkbox"/> Flower: diameter of calyx   | small             |                            |                 |
| <input type="checkbox"/> Flower: length of petal   | short             |                            |                 |
| <input type="checkbox"/> Flower: width of petal  | narrow            |                            |                 |
| <input type="checkbox"/> Flower: ratio length/width of petal                                 | small to medium   |                            |                 |
| <input type="checkbox"/> Flower: length of stamens   | short             |                            |                 |
| <input type="checkbox"/> Anther: colour  | light yellow      | light yellow               |                 |
| <input type="checkbox"/> Anther: viable pollen   | present           | present                    | present         |
| <input type="checkbox"/> Style: length   | short             |                            |                 |
| <input type="checkbox"/> *Fruit: length  | medium            | medium                     | medium          |
| <input type="checkbox"/> *Fruit: diameter  | medium            | medium                     | medium          |
| <input type="checkbox"/> *Fruit: ratio length/diameter                                       | medium            | medium                     | medium          |



|                          |  |  |                 |                   |
|--------------------------|--|--|-----------------|-------------------|
| <input type="checkbox"/> | *Fruit: position of broadest part  | at middle                                | at middle       | at middle         |
| <input type="checkbox"/> | Fruit: shape in transverse section   | circular                                 | circular        | circular          |
| <input type="checkbox"/> | *Fruit: general shape of proximal part   | flattened                                | flattened       | flattened         |
| <input type="checkbox"/> | *Fruit: presence of neck   | absent                                   | absent          | absent            |
| <input type="checkbox"/> | *Fruit: presence of depression at stalk end (varieties without fruit neck only)                      | absent*                                  | present         |                   |
| <input type="checkbox"/> | Fruit: presence of constriction at stalk end   | absent                                   |                 | absent            |
| <input type="checkbox"/> | Fruit: number of radial grooves at stalk end   | absent or few                            |                 | absent or few     |
| <input type="checkbox"/> | Fruit: length of radial grooves at stalk end   | very short                               |                 |                   |
| <input type="checkbox"/> | Fruit: abscission layer between floral disc and fruit  | absent or weakly developed               |                 |                   |
| <input type="checkbox"/> | *Fruit: general shape of distal part   | flattened                                |                 |                   |
| <input type="checkbox"/> | *Fruit: presence of depression at distal end   | absent                                   |                 | absent            |
| <input type="checkbox"/> | *Fruit: presence of areola   | absent*                                  | incomplete      | absent            |
| <input type="checkbox"/> | Fruit: diameter of stylar scar   | very small                               |                 |                   |
| <input type="checkbox"/> | Fruit: persistence of style  | none                                     | none            | none              |
| <input type="checkbox"/> | Fruit: presence of navel opening   | absent                                   | absent          | absent            |
| <input type="checkbox"/> | Fruit: presence of radial grooves at distal end  | absent                                   |                 |                   |
| <input type="checkbox"/> | *Fruit surface: predominant colours  | yellow orange*                           | medium orange   | yellow orange     |
| <input type="checkbox"/> | *Fruit surface: glossiness   | medium to strong                         |                 | medium            |
| <input type="checkbox"/> | Fruit surface: roughness   | very smooth to smooth                    | smooth          | smooth            |
| <input type="checkbox"/> | Fruit surface: size of oil glands  | larger ones interspersed by smaller ones |                 |                   |
| <input type="checkbox"/> | Fruit surface: size of larger oil glands   | small                                    | small to medium | medium            |
| <input type="checkbox"/> | Fruit surface: conspicuousness of larger oil glands  | medium to strong                         | medium          | medium to strong  |
| <input type="checkbox"/> | Fruit surface: presence of pitting and pebbling in oil glands  | pitting present, pebbling absent         |                 |                   |
| <input type="checkbox"/> | Fruit surface: density of pitting (varieties with fruit surface: pitting on oil glands present only) | sparse                                   |                 |                   |
| <input type="checkbox"/> | *Fruit rind: thickness   | very thin*                               | thin            | very thin to thin |
| <input type="checkbox"/> | *Fruit rind: adherence to flesh  | very weak to weak                        |                 | medium            |

|                                     |   |                              |                     |                   |
|-------------------------------------|---|------------------------------|---------------------|-------------------|
| <input type="checkbox"/>            | Fruit rind: strength  | weak to medium               |                     |                   |
| <input type="checkbox"/>            | Fruit rind: oiliness  | dry to medium                |                     |                   |
| <input type="checkbox"/>            | Fruit rind: conspicuousness of oil glands on inner surface  | absent or weakly conspicuous |                     |                   |
| <input type="checkbox"/>            | Fruit: colour of albedo                                     | white*                       | light orange        | white             |
| <input type="checkbox"/>            | Fruit: density of albedo                                    | medium                       |                     |                   |
| <input type="checkbox"/>            | *Fruit: amount of albedo adhering to flesh                  | very small to small          |                     |                   |
| <input type="checkbox"/>            | Fruit: presence of albedo strands                           | present                      |                     |                   |
| <input type="checkbox"/>            | Fruit: amount of albedo strands                             | very small                   |                     |                   |
| <input checked="" type="checkbox"/> | *Fruit: main colour of flesh                                | medium orange                | medium orange       | dark orange       |
| <input type="checkbox"/>            | Fruit: filling of core                                      | medium to dense              |                     |                   |
| <input type="checkbox"/>            | Fruit: diameter of core                                     | small                        |                     |                   |
| <input type="checkbox"/>            | Fruit: presence of rudimentary segments                     | absent or weak               |                     |                   |
| <input type="checkbox"/>            | Fruit: number of well developed segments                    | medium to many               | medium to many      |                   |
| <input type="checkbox"/>            | Fruit: coherence of adjacent segment walls                  | strong                       |                     |                   |
| <input type="checkbox"/>            | Fruit: strength of segment walls                            | medium                       |                     |                   |
| <input type="checkbox"/>            | Fruit: length of juice vesicles                             | short to medium              |                     |                   |
| <input type="checkbox"/>            | Fruit: thickness of juice vesicles                          | thin to medium               |                     |                   |
| <input type="checkbox"/>            | Fruit: conspicuousness of juice vesicle walls               | low to medium                |                     |                   |
| <input type="checkbox"/>            | Fruit: coherence of juice vesicles                          | medium to strong             |                     |                   |
| <input type="checkbox"/>            | *Fruit: presence of navel (viewed internally)               | absent or very rare          | absent or very rare |                   |
| <input checked="" type="checkbox"/> | Fruit: juiciness  | high                         | high                | medium            |
| <input type="checkbox"/>            | *Fruit juice: total soluble solids                          | medium to high               |                     | high to very high |
| <input type="checkbox"/>            | Fruit juice: acidity  | medium                       |                     | medium            |
| <input type="checkbox"/>            | Fruit: strength of fibre                                    | medium                       |                     |                   |
| <input checked="" type="checkbox"/> | Fruit: number of seeds (controlled manual self-pollination) | absent or very few           | very few to few     | many to very many |
| <input checked="" type="checkbox"/> | Fruit: number of seeds (open pollination)                   | absent or very few           | very few to few     | many to very many |
| <input type="checkbox"/>            | *Seed: polyembryony   | absent*                      | present             | present           |
| <input type="checkbox"/>            | Seed: length  | medium                       |                     |                   |
| <input type="checkbox"/>            | Seed: width   | medium                       |                     |                   |

|                          |   |              |              |        |
|--------------------------|---|--------------|--------------|--------|
| <input type="checkbox"/> | Seed: surface   | wrinkled     |              |        |
| <input type="checkbox"/> | Seed: prominence of wrinkles (varieties with seed surface wrinkled only)    | weak         |              |        |
| <input type="checkbox"/> | Seed: external colour   | whitish      | whitish      |        |
| <input type="checkbox"/> | Seed: colour of inner seed coat   | light yellow | light yellow |        |
| <input type="checkbox"/> | Seed: colour of cotyledons (varieties with seed: polyembryony present only) | cream        | cream        |        |
| <input type="checkbox"/> | *Time of: maturity of fruit for consumption                                 | late         | late         | late   |
| <input type="checkbox"/> | *Fruit: parthenocarpy   | absent       | absent       | absent |
| <input type="checkbox"/> | Plant: self-incompatibility   | present      |              |        |

Note – The states of expression indicated with \* in the local observations differ from the observations in overseas data.

### Statistical Table

| Organ/Plant Part: Context                              | 'Moria' |
|--|---------|
| <input type="checkbox"/> Leaf: Blade length(mm)        |         |
| Mean   | 80.71   |
| Std. Deviation   | 5.56    |
| <input type="checkbox"/> Leaf: Blade width(mm)         |         |
| Mean   | 40.43   |
| Std. Deviation   | 4.24    |
| <input type="checkbox"/> Petiole: Length(mm)           |         |
| Mean   | 9.36    |
| Std. Deviation   | 1.24    |
| <input type="checkbox"/> Flower: Diameter of calyx(mm) |         |
| Mean   | 22.77   |
| Std. Deviation   | 1.51    |
| <input type="checkbox"/> Flower: Length of sepal(mm)   |         |
| Mean   | 12.28   |
| Std. Deviation   | 0.04    |
| <input type="checkbox"/> Flower: Width of petal(mm)    |         |
| Mean   | 6.00    |
| Std. Deviation   | 0.03    |
| <input type="checkbox"/> Flower: Length of stamens(mm) |         |
| Mean   | 7.00    |
| Std. Deviation   | 0.02    |
| <input type="checkbox"/> Flower: Style length(mm)      |         |
| Mean   | 5.00    |
| Std. Deviation   | 0.02    |
| <input type="checkbox"/> Fruit: Length(mm)             |         |
| Mean   | 47.14   |
| Std. Deviation   | 1.17    |
| <input type="checkbox"/> Fruit: Diameter(mm)           |         |

|   |       |
|---|-------|
| Mean  | 61.96 |
| Std. Deviation  | 1.31  |
| <input type="checkbox"/> Fruit: Surface size of larger oil glands |       |
| Mean  | 1.60  |
| Std. Deviation  | 0.01  |
| <input type="checkbox"/> Fruit: Rind thickness(mm)                |       |
| Mean  | 4.00  |
| Std. Deviation  | 0.01  |
| <input type="checkbox"/> Fruit: Diameter of core(mm)              |       |
| Mean  | 6.75  |
| Std. Deviation  | 0.65  |
| <input type="checkbox"/> Fruit: Number of well developed segments |       |
| Mean  | 10.91 |
| Std. Deviation  | 0.34  |
| <input type="checkbox"/> Fruit: Length of juice vesicles(mm)      |       |
| Mean  | 5.05  |
| Std. Deviation  | 0.41  |
| <input type="checkbox"/> Fruit: Thickness of juice vesicles(mm)   |       |
| Mean  | 2.00  |
| Std. Deviation  | 0.01  |
| <input type="checkbox"/> Fruit: Number of seeds                   |       |
| Mean  | 4.00  |
| Std. Deviation  | 0.01  |
| <input type="checkbox"/> Seed: Length(mm)                         |       |
| Mean  | 11.01 |
| Std. Deviation  | 0.11  |
| <input type="checkbox"/> Seed: Width(mm)                          |       |
| Mean  | 6.00  |
| Std. Deviation  | 0.01  |

### **Prior Applications and Sales**

| <b>Country</b> | <b>Year</b> | <b>Current Status</b> | <b>Name Applied</b> |
|----------------|-------------|-----------------------|---------------------|
| Chile          | 2003        | Granted               | 'Moria'             |
| US             | 2000        | Granted               | 'Moria'             |
| Argentina      | 2003        | Granted               | 'Moria'             |

Description: **Gavin Porter**, Kanlangur, QLD.

**Details of Application**

|                           |  |
|---------------------------|--|
| <b>Application Number</b> | 2006/177   |
| <b>Variety Name</b>       | 'Orri'   |
| <b>Genus Species</b>      | <i>Citrus reticulata</i>   |
| <b>Common Name</b>        | Mandarin   |
| <b>Synonym</b>            | Nil  |
| <b>Accepted Date</b>      | 26 Jul 2006  |
| <b>Applicant</b>          | The State of Israel - Ministry of Agriculture & Rural Development<br>Agricultural Research Organisation, Beit-Dagen, Israel. |
| <b>Agent</b>              | Australian Nurserymen's Fruit Improvement Company Limited,<br>Kallangur, QLD.  |
| <b>Qualified Person</b>   | Gavin Porter   |

**Details of Comparative Trial**

|                                       |  |
|---------------------------------------|--|
| <b>Overseas Testing Authority</b>     | US Patent and Trademarks Office  |
| <b>Overseas Data Reference Number</b> | PP13460  |
| <b>Location</b>                       | Dareton, VIC. The states of expression were verified under Australian conditions where possible. |
| <b>Descriptor</b>                     | UPOV TG <i>Citrus</i> L. Mandarins 201/1   |

**Origin and Breeding**

Induced Mutation: 'Orah'. In the spring of 1987 and 1988, 300 buds of 'Orah' were irradiated by exposure to 3.5 krad of gamma radiation from Co60 source. The buds were grafted on rootstock mv1 and after six months were regrafted (mv2). Field planting was established in 1989 and first fruits were observed in 1994. The parent is characterised by fertile pollen and 9-27 seeds.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Coon Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>                    | <b>State of Expression in Group of Varieties</b> |
|-------------------------|-----------------------------------|--|
| Plant                   | ploidy                            | diploid  |
| Fruit                   | diameter                          | medium   |
| Tree                    | maturity of fruit for consumption | medium to late                                   |

**Most Similar Varieties of Common Knowledge identified (VCK)**

'Murcott'

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety | Distinguishing Characteristics<br>Organ/P Context<br>lant<br>Part | State of Expression<br>in Candidate Variety                   | State of Expression in<br>Comparator Variety | Comments       |        |
|---------|---|---|--|----------------|--------|
| 'Orah'  | Fruit   | number of seeds<br>(controlled<br>manual self<br>pollination) | absent or very few                           | medium to many | parent |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context  | 'Orri'           | 'Orri'<br>(O/S data)          | 'Murcott' |
|--|------------------|-------------------------------|-----------|
| <input type="checkbox"/> Ploidy:   | diploid          | diploid                       |           |
| <input type="checkbox"/> *Tree: growth habit   | spreading*       | upright                       |           |
| <input type="checkbox"/> Tree: density of spines   | absent or sparse | absent or sparse              |           |
| <input type="checkbox"/> Tree: length of spines  | short            | short                         |           |
| <input type="checkbox"/> Leaf blade: length  | medium           | short to medium               |           |
| <input type="checkbox"/> Leaf blade: width   | medium           | narrow to<br>medium           |           |
| <input type="checkbox"/> Leaf blade: ratio length/width                                      | medium to large  | medium to large               |           |
| <input type="checkbox"/> Leaf blade: shape in cross section                                  | intermediate*    | straight or<br>weakly concave |           |
| <input type="checkbox"/> Leaf blade: twisting  | absent or weak   |                               |           |
| <input type="checkbox"/> Leaf blade: blistering  | absent or weak   |                               |           |
| <input type="checkbox"/> Leaf blade: green colour  | dark             | dark                          |           |
| <input type="checkbox"/> Leaf blade: undulation of margin                                    | absent or weak   | absent or weak                |           |
| <input type="checkbox"/> Leaf blade: incisions of margin                                     | crenate          |                               |           |
| <input type="checkbox"/> Leaf blade: shape of apex   | acute            |                               |           |
| <input type="checkbox"/> Leaf blade: emargination at tip                                     | present          |                               |           |
| <input type="checkbox"/> Petiole: length   | medium to long   | medium to long                |           |
| <input type="checkbox"/> Petiole: presence of wings  | present*         | absent                        |           |
| <input type="checkbox"/> Petiole: width of wings (varieties with petiole wings present only) | very narrow      |                               |           |
| <input type="checkbox"/> Flower: diameter of calyx   | small to medium  |                               |           |
| <input type="checkbox"/> Flower: length of petal   | short            |                               |           |
| <input type="checkbox"/> Flower: width of petal  | narrow           |                               |           |

|                          |  |                                   |                                   |
|--------------------------|--|-----------------------------------|-----------------------------------|
| <input type="checkbox"/> | Flower: ratio length/width of petal  | small to medium                   |                                   |
| <input type="checkbox"/> | Flower: length of stamens  | short                             |                                   |
| <input type="checkbox"/> | Anther: colour   | light yellow*                     | white                             |
| <input type="checkbox"/> | Anther: viable pollen  | absent                            | present                           |
| <input type="checkbox"/> | Style: length  | medium                            |                                   |
| <input type="checkbox"/> | *Fruit: length   | medium to long                    | medium                            |
| <input type="checkbox"/> | *Fruit: diameter   | medium                            | medium                            |
| <input type="checkbox"/> | *Fruit: ratio length/diameter  | medium to large                   | medium                            |
| <input type="checkbox"/> | *Fruit: position of broadest part  | at middle                         | at middle                         |
| <input type="checkbox"/> | Fruit: shape in transverse section   | circular                          | circular                          |
| <input type="checkbox"/> | *Fruit: general shape of proximal part   | flattened                         | flattened                         |
| <input type="checkbox"/> | *Fruit: presence of neck   | absent                            | absent                            |
| <input type="checkbox"/> | *Fruit: presence of depression at stalk end<br>(varieties without fruit neck only) | present                           | present                           |
| <input type="checkbox"/> | Fruit: depth of depression at stalk end (varieties<br>without fruit neck only)     | medium                            | medium                            |
| <input type="checkbox"/> | Fruit: presence of constriction at stalk end                                       | absent                            |                                   |
| <input type="checkbox"/> | Fruit: number of radial grooves at stalk end                                       | intermediate                      |                                   |
| <input type="checkbox"/> | Fruit: length of radial grooves at stalk end                                       | medium                            |                                   |
| <input type="checkbox"/> | Fruit: presence of collar  | absent                            |                                   |
| <input type="checkbox"/> | Fruit: abscission layer between floral disc and fruit                              | absent or<br>weakly<br>developed  |                                   |
| <input type="checkbox"/> | *Fruit: general shape of distal part   | flattened                         |                                   |
| <input type="checkbox"/> | *Fruit: presence of depression at distal end                                       | absent                            |                                   |
| <input type="checkbox"/> | *Fruit: presence of areola   | absent*                           | incomplete                        |
| <input type="checkbox"/> | Fruit: diameter of styler scar   | very small                        |                                   |
| <input type="checkbox"/> | Fruit: persistence of style  | none                              | none                              |
| <input type="checkbox"/> | Fruit: presence of navel opening   | absent                            | absent                            |
| <input type="checkbox"/> | Fruit: presence of radial grooves at distal end                                    | absent                            |                                   |
| <input type="checkbox"/> | *Fruit surface: predominant colours  | yellow orange                     | yellow orange                     |
| <input type="checkbox"/> | *Fruit surface: glossiness   | medium to<br>strong               |                                   |
| <input type="checkbox"/> | Fruit surface: roughness   | smooth                            | smooth                            |
| <input type="checkbox"/> | Fruit surface: size of oil glands  | all more or less<br>the same size | all more or less<br>the same size |

|                          |  |                                  |              |
|--------------------------|--|----------------------------------|--------------|
| <input type="checkbox"/> | Fruit surface: size of larger oil glands   | small                            | small        |
| <input type="checkbox"/> | Fruit surface: conspicuousness of larger oil glands  | medium                           | medium       |
| <input type="checkbox"/> | Fruit surface: presence of pitting and pebbling in oil glands  | Pitting present, pebbling absent |              |
| <input type="checkbox"/> | Fruit surface: density of pitting (varieties with fruit surface: pitting on oil glands present only) | medium                           |              |
| <input type="checkbox"/> | *Fruit rind: thickness   | medium*                          | thin         |
| <input type="checkbox"/> | *Fruit rind: adherence to flesh  | weak                             | weak         |
| <input type="checkbox"/> | Fruit rind: strength   | medium                           |              |
| <input type="checkbox"/> | Fruit rind: oiliness   | oily                             |              |
| <input type="checkbox"/> | Fruit rind: conspicuousness of oil glands on inner surface   | absent or weakly conspicuous     |              |
| <input type="checkbox"/> | Fruit: colour of albedo  | white*                           | light orange |
| <input type="checkbox"/> | Fruit: density of albedo   | medium                           |              |
| <input type="checkbox"/> | *Fruit: amount of albedo adhering to flesh   | small to medium                  |              |
| <input type="checkbox"/> | Fruit: presence of albedo strands  | present                          |              |
| <input type="checkbox"/> | Fruit: amount of albedo strands  | very small                       |              |
| <input type="checkbox"/> | *Fruit: main colour of flesh   | medium orange                    |              |
| <input type="checkbox"/> | Fruit: filling of core   | dense                            |              |
| <input type="checkbox"/> | Fruit: diameter of core  | very small                       |              |
| <input type="checkbox"/> | Fruit: presence of rudimentary segments  | absent or weak                   |              |
| <input type="checkbox"/> | Fruit: number of well developed segments   | medium                           | medium       |
| <input type="checkbox"/> | Fruit: coherence of adjacent segment walls   | medium to strong                 |              |
| <input type="checkbox"/> | Fruit: strength of segment walls   | weak to medium                   |              |
| <input type="checkbox"/> | Fruit: length of juice vesicles  | medium                           |              |
| <input type="checkbox"/> | Fruit: thickness of juice vesicles   | medium                           |              |
| <input type="checkbox"/> | Fruit: conspicuousness of juice vesicle walls  | low to medium                    |              |
| <input type="checkbox"/> | Fruit: coherence of juice vesicles   | medium to strong                 |              |
| <input type="checkbox"/> | *Fruit: presence of navel (viewed internally)  | absent or very rare              |              |
| <input type="checkbox"/> | Fruit: juiciness   | medium                           |              |
| <input type="checkbox"/> | *Fruit juice: total soluble solids   | medium to high                   |              |
| <input type="checkbox"/> | Fruit juice: acidity   | medium                           |              |
| <input type="checkbox"/> | Fruit: strength of fibre   | medium                           |              |



|                                     |   |                    |                    |                |
|-------------------------------------|---|--------------------|--------------------|----------------|
| <input checked="" type="checkbox"/> | Fruit: number of seeds (controlled manual self-pollination) | absent or very few | absent or very few | many           |
| <input checked="" type="checkbox"/> | Fruit: number of seeds (open pollination)                   | absent or very few | absent or very few | many           |
| <input checked="" type="checkbox"/> | *Seed: polyembryony   | absent             | absent             | present        |
| <input type="checkbox"/>            | *Time of: maturity of fruit for consumption                 | medium to late     | medium to late     | medium to late |
| <input type="checkbox"/>            | Plant: self-incompatibility                                 | present            |                    |                |

Note – The states of expression indicated with \* in the local observations differ from the observations in overseas data

### Statistical Table

| Organ/Plant Part: Context   | 'Orri' |
|---|--------|
| <input type="checkbox"/> Leaf: blade length(mm)                       |        |
| Mean  | 110.59 |
| Std. Deviation  | 6.26   |
| <input type="checkbox"/> Leaf: blade width(mm)_                       |        |
| Mean  | 43.01  |
| Std. Deviation  | 3.61   |
| <input type="checkbox"/> Petiole: length(mm)                          |        |
| Mean  | 15.51  |
| Std. Deviation  | 1.21   |
| <input type="checkbox"/> Flower: diameter of calyx(mm)                |        |
| Mean  | 25.28  |
| Std. Deviation  | 1.23   |
| <input type="checkbox"/> Flower: length of sepal(mm)                  |        |
| Mean  | 12.50  |
| Std. Deviation  | 0.04   |
| <input type="checkbox"/> Flower: width of petal(mm)                   |        |
| Mean  | 6.00   |
| Std. Deviation  | 0.03   |
| <input type="checkbox"/> Flower: length of stamens(mm)                |        |
| Mean  | 8.00   |
| Std. Deviation  | 0.01   |
| <input type="checkbox"/> Flower: style length(mm)                     |        |
| Mean  | 11.33  |
| Std. Deviation  | 0.02   |
| <input type="checkbox"/> Fruit: length(mm)                            |        |
| Mean  | 54.89  |
| Std. Deviation  | 1.31   |
| <input type="checkbox"/> Fruit: diameter(mm)                          |        |
| Mean  | 66.38  |
| Std. Deviation  | 1.59   |
| <input type="checkbox"/> Fruit: number of radial grooves at stalk end |        |

|   |       |
|---|-------|
| Mean  | 7.01  |
| Std. Deviation  | 0.05  |
| <input type="checkbox"/> Fruit: Length of radial grooves at stalk end(mm) |       |
| Mean  | 16.99 |
| Std. Deviation  | 0.02  |
| <input type="checkbox"/> Fruit: surface size of larger oil glands         |       |
| Mean  | 1.00  |
| Std. Deviation  | 0.01  |
| <input type="checkbox"/> Fruit: Rind thickness(mm)                        |       |
| Mean  | 5.00  |
| Std. Deviation  | 0.01  |
| <input type="checkbox"/> Fruit: Number of well developed segments         |       |
| Mean  | 8.04  |
| Std. Deviation  | 0.36  |
| <input type="checkbox"/> Fruit: Length of juice vesicles(mm)              |       |
| Mean  | 8.04  |
| Std. Deviation  | 0.40  |
| <input type="checkbox"/> Fruit: Thickness of juice vesicles(mm)           |       |
| Mean  | 3.00  |
| Std. Deviation  | 0.01  |

#### **Prior Applications and Sales**

| <b>Country</b> | <b>Year</b> | <b>Current Status</b> | <b>Name Applied</b> |
|----------------|-------------|-----------------------|---------------------|
| Chile          | 2002        | Granted               | 'Orri'              |
| USA            | 2003        | Granted               | 'Orri'              |
| Argentina      | 2003        | Granted               | 'Orri'              |

Description: **Gavin Porter**, Kallangur, QLD.

**Details of Application**

|                           |   |
|---------------------------|---|
| <b>Application Number</b> | 2009/191  |
| <b>Variety Name</b>       | 'Nectar'  |
| <b>Genus Species</b>      | <i>Citrus reticulata</i>  |
| <b>Common Name</b>        | Mandarin  |
| <b>Synonym</b>            | Nil   |
| <b>Accepted Date</b>      | 11-Dec-2009   |
| <b>Applicant</b>          | The State of Israel - Ministry of Agriculture & Rural<br>Development Agricultural Research Organisation |
| <b>Agent</b>              | Australian Nurserymen's Fruit Improvement Company<br>Limited, Bathurst, NSW                             |
| <b>Qualified Person</b>   | Gavin Porter  |

**Details of Comparative Trial**

|                                       |   |
|---------------------------------------|---|
| <b>Overseas Testing Authority</b>     | United States Patent and Trademark Office (USPTO)   |
| <b>Overseas Data Reference Number</b> | US PP 13,624  |
| <b>Location</b>                       | Dareton, NSW  |
| <b>Descriptor</b>                     | Mandarin ( <i>Citrus</i> ) TG 201/1   |
| <b>Period</b>                         | 2011-2012   |
| <b>Conditions</b>                     | A standard growing season occurred in 2011 to 2012. All trees were in good health and there were no visible signs of pest and disease issues.   |
| <b>Trial Design</b>                   | 10 trees of Nectar on Citrange rootstock were planted in a trial block at Dareton, NSW. Standard cultural practices were used during the trial. |
| <b>Measurements</b>                   | Measurements were taken from 5 trees.   |
| <b>RHS Chart - edition</b>            | N/A   |

**Origin and Breeding**

Controlled pollination: The objective in breeding 'Nectar' was to obtain a mid to late ripening citrus mandarin with few or no seeds. In the spring of 1979, a controlled pollination cross of Wilking mandarin was made at the Agricultural Research Organization, Volcani Center, Bet Dagan Israel. The fruit was collected in November 1979 and seeds of the fruit germinated during January 1980. About 150 seedlings were grown. Each seedling was grafted in September 1982 onto Troyer rootstock seedlings. The grafted plants were planted in June 1984 in the ARO experimental grove, Bet Dagan, Israel. The first fruits were observed in January 1988 and again in 1989. One of the seedlings was designated 56/4. This scion was fully ripe in the last week of December to the end of January. The fruit of this selection was orange in colour and completely seedless. Budwood was taken of 56/4 and grafted in the spring of 1988 onto 6 Troyer rootstocks. The grafted plants were planted a year later. The first crop was obtained in 1992. The yield of the scion grafted onto Troyer rootstock was good. The fruit was fully ripe in January. The colour of the ripe fruit was orange and the fruit was easy to peel and had a very rich flavour. The juice had a sugar concentration of about 13% and an acid concentration of 0.9%. Breeder: The State of Israel - Ministry of Agriculture & Rural Development Agricultural Research Organisation.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| Organ/Plant Part | Context                           | State of Expression in Group of Varieties |
|------------------|-----------------------------------|---|
| Seed             | polyembryony                      | absent to very low                        |
| Time of          | maturity of fruit for consumption | early to medium                           |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| Name       | Comments |
|------------|----------|
| 'Imperial' |          |
| 'Hickson'  |          |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety    | Distinguishing Characteristics            | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments |
|------------|---|--|---|----------|
| 'Imperial' | Time of maturity of fruit for consumption | early to mid season                      | very early to early                       |          |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context                                   | 'Nectar'         | 'Hickson'        | 'Nectar' (os data)                      |
|---|------------------|------------------|---|
| <input type="checkbox"/> Ploidy:                            | diploid          | diploid          | diploid                                 |
| <input type="checkbox"/> *Tree: growth habit                | spreading        | spreading        | spreading                               |
| <input type="checkbox"/> Tree: density of spines            | intermediate     | absent or sparse | <sup>1</sup> absent or sparse           |
| <input type="checkbox"/> Tree: length of spines             | medium           |                  | <sup>1</sup> very short to short        |
| <input type="checkbox"/> Leaf blade: length                 | short to medium  | medium           | medium                                  |
| <input type="checkbox"/> Leaf blade: width                  | narrow to medium | medium           | medium                                  |
| <input type="checkbox"/> Leaf blade: ratio length/width     | large            | medium           | <sup>1</sup> medium                     |
| <input type="checkbox"/> Leaf blade: shape in cross section | strongly concave |                  | <sup>1</sup> straight or weakly concave |
| <input type="checkbox"/> Leaf blade: twisting               | absent or weak   |                  |   |
| <input type="checkbox"/> Leaf blade: blistering             | absent or weak   |                  |   |
| <input type="checkbox"/> Leaf blade: green colour           | medium to dark   | medium           | medium to dark                          |
| <input type="checkbox"/> Leaf blade: undulation of margin   | absent or weak   |                  | absent or weak                          |
| <input type="checkbox"/> Leaf blade: incisions of margin    | crenate          | crenate          |   |
| <input type="checkbox"/> Leaf blade: shape of apex          | acute            | obtuse           |   |

|                                     |   |                  |                  |                       |
|-------------------------------------|---|------------------|------------------|-----------------------|
| <input type="checkbox"/>            | Leaf blade: emargination at tip   | present          |                  |                       |
| <input type="checkbox"/>            | Petiole: length   | short to medium  |                  |                       |
| <input type="checkbox"/>            | Petiole: presence of wings  | present          |                  | <sup>1</sup> absent   |
| <input type="checkbox"/>            | Petiole: width of wings (varieties with petiole wings present only)             | very narrow      |                  |                       |
| <input type="checkbox"/>            | Flower: diameter of calyx   | small            |                  |                       |
| <input type="checkbox"/>            | Flower: length of petal   | short            |                  |                       |
| <input type="checkbox"/>            | Flower: width of petal  | narrow           |                  |                       |
| <input type="checkbox"/>            | Flower: ratio length/width of petal   | medium           |                  |                       |
| <input type="checkbox"/>            | Flower: length of stamens   | medium           |                  |                       |
| <input type="checkbox"/>            | Anther: colour  | medium yellow    |                  | medium yellow         |
| <input type="checkbox"/>            | Anther: viable pollen   | absent           |                  | absent                |
| <input type="checkbox"/>            | Style: length   | short to medium  |                  |                       |
| <input type="checkbox"/>            | *Fruit: length  | medium to long   | medium           | <sup>1</sup> medium   |
| <input type="checkbox"/>            | *Fruit: diameter  | medium to large  | medium           | <sup>1</sup> medium   |
| <input type="checkbox"/>            | *Fruit: ratio length/diameter   | medium           | medium           | medium                |
| <input type="checkbox"/>            | *Fruit: position of broadest part   | at middle        | at middle        | at middle             |
| <input type="checkbox"/>            | Fruit: shape in transverse section  | somewhat angular | somewhat angular | <sup>1</sup> circular |
| <input type="checkbox"/>            | *Fruit: general shape of proximal part  | flattened        | flattened        | flattened             |
| <input checked="" type="checkbox"/> | *Fruit: presence of neck  | absent           | present          | absent                |
| <input type="checkbox"/>            | *Fruit: presence of depression at stalk end (varieties without fruit neck only) | present          |                  | <sup>1</sup> absent   |
| <input type="checkbox"/>            | Fruit: depth of depression at stalk end (varieties without fruit neck only)     | very shallow     |                  |                       |
| <input type="checkbox"/>            | Fruit: presence of constriction at stalk end                                    | absent           | present          |                       |
| <input type="checkbox"/>            | Fruit: number of radial grooves at stalk end                                    | intermediate     | intermediate     |                       |

|                                     |  |                                  |                      |                                |
|-------------------------------------|--|----------------------------------|----------------------|--------------------------------|
| <input type="checkbox"/>            | Fruit: length of radial grooves at stalk end   | long                             | medium               |                                |
| <input type="checkbox"/>            | Fruit: presence of collar  | absent                           | absent               | absent                         |
| <input type="checkbox"/>            | Fruit: abscission layer between floral disc and fruit  | absent or weakly developed       |                      |                                |
| <input type="checkbox"/>            | *Fruit: general shape of distal part   | flattened                        |                      |                                |
| <input checked="" type="checkbox"/> | *Fruit: presence of depression at distal end   | absent                           | present              | absent                         |
| <input type="checkbox"/>            | *Fruit: presence of areola   | absent                           | complete             | <sup>1</sup> incomplete        |
| <input type="checkbox"/>            | Fruit: diameter of stylar scar   | very small                       | small                |                                |
| <input type="checkbox"/>            | Fruit: persistence of style  | none                             | none                 | none                           |
| <input type="checkbox"/>            | Fruit: presence of navel opening   | occasionally present             | occasionally present | <sup>1</sup> absent            |
| <input type="checkbox"/>            | Fruit: diameter of navel opening   | very small                       |                      |                                |
| <input type="checkbox"/>            | Fruit: presence of radial grooves at distal end  | absent                           | absent               |                                |
| <input type="checkbox"/>            | *Fruit surface: predominant colours  | medium orange                    | medium orange        | <sup>1</sup> yellow orange     |
| <input type="checkbox"/>            | *Fruit surface: glossiness   | weak to medium                   | weak to medium       |                                |
| <input type="checkbox"/>            | Fruit surface: size of oil glands  | all more or less the same size   |                      | all more or less the same size |
| <input type="checkbox"/>            | Fruit surface: size of larger oil glands   | very small to small              |                      | small to medium                |
| <input type="checkbox"/>            | Fruit surface: conspicuousness of larger oil glands  | weak to medium                   |                      |                                |
| <input type="checkbox"/>            | Fruit surface: presence of pitting and pebbling in oil glands  | pitting absent, pebbling present |                      |                                |
| <input type="checkbox"/>            | Fruit surface: density of pebbling (varieties with fruit surface: pebbling on oil glands present only) | medium to dense                  |                      |                                |
| <input type="checkbox"/>            | Fruit surface: degree of pebbling (varieties with fruit surface: pebbling on oil glands present only)  | medium to strong                 |                      |                                |

|                          |  |                     |                                 |                           |
|--------------------------|--|---------------------|---------------------------------|---------------------------|
| <input type="checkbox"/> | *Fruit rind: thickness                                     | thin to medium      | thin to medium                  | <sup>1</sup> thin         |
| <input type="checkbox"/> | *Fruit rind: adherence to flesh                            | strong              | weak to medium                  | <sup>1</sup> medium       |
| <input type="checkbox"/> | Fruit rind: strength                                       | medium to strong    | medium                          |                           |
| <input type="checkbox"/> | Fruit rind: oiliness                                       | oily                | medium                          |                           |
| <input type="checkbox"/> | Fruit rind: conspicuousness of oil glands on inner surface | intermediate        | strongly conspicuous            |                           |
| <input type="checkbox"/> | Fruit: colour of albedo                                    | white               | light yellow                    | <sup>1</sup> light orange |
| <input type="checkbox"/> | Fruit: density of albedo                                   | medium to dense     | medium                          |                           |
| <input type="checkbox"/> | *Fruit: amount of albedo adhering to flesh                 | small to medium     | medium                          |                           |
| <input type="checkbox"/> | Fruit: presence of albedo strands                          | present             |                                 |                           |
| <input type="checkbox"/> | Fruit: amount of albedo strands                            | medium              |                                 |                           |
| <input type="checkbox"/> | *Fruit: main colour of flesh                               | medium orange       | medium orange                   | medium orange             |
| <input type="checkbox"/> | Fruit: filling of core                                     | medium to dense     | absent or very sparse to sparse |                           |
| <input type="checkbox"/> | Fruit: diameter of core                                    | small to medium     |                                 |                           |
| <input type="checkbox"/> | Fruit: presence of rudimentary segments                    | absent or weak      |                                 |                           |
| <input type="checkbox"/> | Fruit: number of well developed segments                   | medium              | medium                          | medium                    |
| <input type="checkbox"/> | Fruit: coherence of adjacent segment walls                 | weak                | medium                          |                           |
| <input type="checkbox"/> | Fruit: strength of segment walls                           | medium to strong    |                                 |                           |
| <input type="checkbox"/> | Fruit: length of juice vesicles                            | medium              |                                 |                           |
| <input type="checkbox"/> | Fruit: thickness of juice vesicles                         | medium              |                                 |                           |
| <input type="checkbox"/> | Fruit: conspicuousness of juice vesicle walls              | medium              |                                 |                           |
| <input type="checkbox"/> | Fruit: coherence of juice vesicles                         | weak to medium      |                                 |                           |
| <input type="checkbox"/> | *Fruit: presence of navel (viewed internally)              | absent or very rare | absent or very rare             |                           |
| <input type="checkbox"/> | Fruit: juiciness   | high                | high                            |                           |
| <input type="checkbox"/> | *Fruit juice: total soluble                                | medium to high      | medium                          |                           |

solids

|                                     |  |                    |                   |                    |
|-------------------------------------|--|--------------------|-------------------|--------------------|
| <input type="checkbox"/>            | Fruit juice: acidity   | medium             |                   |                    |
| <input type="checkbox"/>            | Fruit: strength of fibre   | medium             | medium            |                    |
| <input type="checkbox"/>            | Fruit: number of seeds (controlled manual self-pollination)              | absent or very few |                   | absent or very few |
| <input checked="" type="checkbox"/> | Fruit: number of seeds (open pollination)                                | absent or very few | medium            | absent or very few |
| <input type="checkbox"/>            | *Seed: polyembryony  | absent             | absent            | absent             |
| <input type="checkbox"/>            | Seed: length   | short              |                   |                    |
| <input type="checkbox"/>            | Seed: width  | narrow             |                   |                    |
| <input type="checkbox"/>            | Seed: surface  | wrinkled           | wrinkled          |                    |
| <input type="checkbox"/>            | Seed: prominence of wrinkles (varieties with seed surface wrinkled only) | strong             | very weak to weak |                    |
| <input type="checkbox"/>            | Seed: external colour  | whitish            | whitish           |                    |
| <input type="checkbox"/>            | Seed: colour of inner seed coat  | light brown        | light brown       |                    |
| <input type="checkbox"/>            | *Time of: maturity of fruit for consumption                              | early to medium    | medium            | early to medium    |
| <input checked="" type="checkbox"/> | *Fruit: parthenocarpy  | present            | absent            |                    |
| <input type="checkbox"/>            | Plant: self-incompatibility  | present            |                   |                    |

Note: The state of expression indicated with <sup>1</sup> in the local observations differ from the observation in overseas data.

### **Prior Applications and Sales**

| <b>Country</b> | <b>Year</b> | <b>Current Status</b> | <b>Name Applied</b> |
|----------------|-------------|-----------------------|---------------------|
| USA            | 2000        | Granted               | 'Nectar'            |

Description: **Gavin Porter**, Kanlangur, QLD.



**Details of Application**

|                           |                                 |
|---------------------------|---------------------------------|
| <b>Application Number</b> | 2010/201                        |
| <b>Variety Name</b>       | 'RingpenGL'                     |
| <b>Genus Species</b>      | <i>Melaleuca ringens</i>        |
| <b>Common Name</b>        | Melaleuca                       |
| <b>Synonym</b>            | Nil                             |
| <b>Accepted Date</b>      | 24 Nov 2010                     |
| <b>Applicant</b>          | George A Lullfitz, Wanneroo, WA |
| <b>Agent</b>              | n/a                             |
| <b>Qualified Person</b>   | Peter Abell                     |

**Details of Comparative Trial**

|                            |   |
|----------------------------|---|
| <b>Location</b>            | Great Northern Highway, Muchea, WA  |
| <b>Descriptor</b>          | General Descriptor  |
| <b>Period</b>              | August 2010 to January 2011   |
| <b>Conditions</b>          | Potted into 300mm containers (from 200mm in the previous year) and placed under overhead irrigation. The plants were rowed and blocked in full sun with limited influence from the surrounding environment. A single application of CRF fertiliser at potting lasted the trial period. The region is at the northern end of the Darling Range approximately 50 km north of Perth, WA. |
| <b>Trial Design</b>        | Plants were potted and placed into single rows of candidate in one row with the comparator beside. There were 15 plants of each variety   |
| <b>Measurements</b>        | Observations were made on plants parts. The data taken reflects the characteristics of the candidate variety and how it differs from the most similar VCK.  |
| <b>RHS Chart - edition</b> | 2007  |

**Origin and Breeding**

Seedling selection: May 2003-Seedling selection of a narrow erect form from within a seedling batch of the common form of *Melaleuca ringens* grown as nursery production stock. August 2003 - separated from batch and cuttings taken (generation 1). January 2004 - cuttings taken again to bulk material and assess further Gen 2. August 2004 - Plants potted and planted in ground for assessment. March 2005- Cuttings taken (gen 3). April 2006 to August 2008- Three more generations of cuttings to bulk up stock numbers (generation 4-6). March 2010- Cuttings taken (generation 7). September 2010 - Trials planted for final testing and comparison purposes. The variety 'RingpenGL' demonstrates the character for which it was selected. All generations were uniform and stable with no off types being observed. For the trial, cuttings will be taken from a typical representative of the common industry form. Breeder: George A. Lullfitz, Wanneroo, WA.

**Choice of Comparators**

Characteristic used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/PlantContext Part</b> | <b>State of Expression in Group of Varieties</b> |
|--------------------------------|--|
| Plant type                     | shrub  |

**Most Similar Varieties of Common Knowledge identified (VCK)****Name Comments**

CommonAt the time of application there were no named or recognised cultivars of form the species.

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| <b>Organ/Plant Part: Context</b>                              | <b>'RingpenGL'</b> | <b>Common form</b> |
|---|--------------------|--------------------|
| <input type="checkbox"/> Plant: type                          | shrub              | shrub              |
| <input checked="" type="checkbox"/> Plant: growth habit       | narrow erect       | bushy              |
| <input type="checkbox"/> Plant: height                        | medium to tall     | short to medium    |
| <input checked="" type="checkbox"/> Plant: width              | very narrow        | medium             |
| <input type="checkbox"/> Stem: thorns, prickles, spines etc   | absent             | absent             |
| <input type="checkbox"/> Stem: presence of hairs              | absent             | absent             |
| <input type="checkbox"/> Leaf: leaf type                      | simple             | simple             |
| <input type="checkbox"/> Leaf: size                           | medium             | medium             |
| <input type="checkbox"/> Leaf: attitude                       | horizontal         | horizontal         |
| <input type="checkbox"/> Leaf: length of blade                | short              | short              |
| <input type="checkbox"/> Leaf: width of blade                 | narrow to medium   | narrow to medium   |
| <input type="checkbox"/> Leaf: shape                          | ovate              | ovate              |
| <input type="checkbox"/> Leaf: shape of apex                  | acute              | acute              |
| <input type="checkbox"/> Leaf: shape of base                  | obtuse             | obtuse             |
| <input type="checkbox"/> Leaf: incision of margin             | absent             | absent             |
| <input type="checkbox"/> Leaf: undulation of the margin       | very weak          | very weak          |
| <input type="checkbox"/> Leaf: shape of cross-section         | flat               | flat               |
| <input type="checkbox"/> Leaf: curvature of longitudinal axis | recurved           | recurved           |
| <input type="checkbox"/> Leaf: glossiness of upper side       | medium             | medium             |
| <input type="checkbox"/> Leaf: green colour                   | medium             | medium             |
| <input type="checkbox"/> Leaf: presence of variegation        | absent             | absent             |

**Characteristics Additional to the descriptor/TG**

| <b>Organ/Plant Part: Context</b>           | <b>'RingpenGL'</b> | <b>Common form</b> |
|--|--------------------|--------------------|
| <input type="checkbox"/> Leaf: arrangement | spiral             | spiral             |

**Prior Applications and Sales**

Prior applications nil. First sold in Australia in Sep 2009.

Description: Peter Abell, SPROCZ Pty Ltd, Bilpin, NSW.

**Details of Application**

|                           |   |
|---------------------------|---|
| <b>Application Number</b> | 2011/332                                      |
| <b>Variety Name</b>       | 'HDO393502'                                   |
| <b>Genus Species</b>      | <i>Cucumis melo</i>                           |
| <b>Common Name</b>        | Melon   |
| <b>Synonym</b>            | Nil   |
| <b>Accepted Date</b>      | 25 Jan 2012                                   |
| <b>Applicant</b>          | Seminis Vegetable Seeds Inc., Oxnard, CA, USA |
| <b>Agent</b>              | Monsanto Australia Limited, Melbourne, VIC    |
| <b>Qualified Person</b>   | Conrad Leeks                                  |

**Details of Comparative Trial**

|                            |  |
|----------------------------|--|
| <b>Location</b>            | Peracto, Bowen, Qld (Latitude 20°00'35.44''S<br>Longitude 148°11'14.45'' E)  |
| <b>Descriptor</b>          | <i>Cucumis melo</i> (melon) UPOV TG/104/5  |
| <b>Period</b>              | May– July 2012   |
| <b>Conditions</b>          | Seedlings were raised at Queensland seedlings. Transplanted in the sandy soils in the ambient high rainfall area of Northern Queensland. Pest and diseases were managed by standard agronomic methods. |
| <b>Trial Design</b>        | Spaced plant trial in a linear design with three replicates.   |
| <b>Measurements</b>        | All observations were done in accordance with UPOV TG/104/5  |
| <b>RHS Chart - edition</b> | None   |

**Origin and Breeding**

Controlled pollination: HDO393502 originated as a single plant selection from CAWOWGH5150-F-01-080-1, a Seminis proprietary breeding line. Selfing and single plant selections continued for six more generations. Selection criteria in the development of HDO393502 included orange flesh color, firm flesh, and suitable shelf life, and resistance to Powdery Mildew Race 1 and 2. The breeding work was carried out by Paul Chung at the Seminis Vegetable Seed Research Station in Woodland, California. Additional observations made during two years of seed increase (2009 - 2010) confirm that this line is uniform and stable within commercially acceptable limits. Breeder: Seminis Vegetable Seeds Inc.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part Context</b> |                        | <b>State of Expression in Group of Varieties</b> |
|---------------------------------|------------------------|--|
| Inflorescence                   | sex expression         | andromonoecious                                  |
| Fruit                           | grooves                | absent or very weakly expressed                  |
| Fruit                           | cork formation         | absent   |
| Seed                            | colour                 | cream yellow                                     |
| Plant                           | time of male flowering | very early/early                                 |
| Plant                           | time of male flowering | very early/early                                 |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b>   | <b>Comments</b>           |
|---------------|---------------------------|
| 'PS 03935152' | Hybrid                    |
| 'HD0393501'   | Female parent             |
| 'Saturno'     | Also known as 'Classique' |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context  | 'HD0393502'               | 'HD0393501'                | 'PS 03935152'              | 'Saturno'                 |
|--|---------------------------|----------------------------|----------------------------|---------------------------|
| <input checked="" type="checkbox"/> Seedling: length of hypocotyl                    | short                     | medium                     | short                      | n/a                       |
| <input checked="" type="checkbox"/> Seedling: size of cotyledon                      | small                     | medium                     | small                      | n/a                       |
| <input checked="" type="checkbox"/> Seedling: intensity of green colour of cotyledon | light                     | medium                     | light                      | n/a                       |
| <input checked="" type="checkbox"/> Leaf blade: size                                 | large                     | large                      | medium                     | n/a                       |
| <input type="checkbox"/> Leaf blade: intensity of green colour                       | medium                    | dark                       | dark                       | n/a                       |
| <input checked="" type="checkbox"/> Leaf blade: development of lobes                 | medium                    | strong                     | weak                       | n/a                       |
| <input type="checkbox"/> Leaf blade: length of terminal lobe                         | medium                    | long                       | short                      | n/a                       |
| <input type="checkbox"/> Leaf blade: dentation of margin                             | weak                      | medium                     | weak                       | n/a                       |
| <input type="checkbox"/> Leaf blade: blistering                                      | weak                      | strong                     | medium                     | n/a                       |
| <input type="checkbox"/> Petiole: attitude   | erect                     | erect                      | erect                      | n/a                       |
| <input type="checkbox"/> Petiole: length   | long                      | long                       | long                       | n/a                       |
| <input type="checkbox"/> *Inflorescence: sex expression                              | andromonoecious           | andromonoecious            | andromonoecious            | andromonoecious           |
| <input type="checkbox"/> Young fruit: hue of green colour of skin                    | green                     | whitish green              | yellowish green            | n/a                       |
| <input type="checkbox"/> *Young fruit: intensity of green colour of skin             | light                     | light                      | light                      | n/a                       |
| <input type="checkbox"/> Young fruit: density of dots                                | dense                     | very dense                 | absent or very sparse      | n/a                       |
| <input type="checkbox"/> Young fruit: conspicuousness of groove colouring            | absent or very weak       | absent or very weak        | absent or very weak        | n/a                       |
| <input type="checkbox"/> Young fruit: length of peduncle                             | medium                    | very short                 | long                       | n/a                       |
| <input type="checkbox"/> Young fruit: thickness of peduncle 1 cm from fruit          | medium                    | medium                     | medium                     | n/a                       |
| <input type="checkbox"/> Young fruit: extension of darker area around peduncle       | medium                    | absent or very small       | absent or very small       | n/a                       |
| <input type="checkbox"/> Fruit: change of skin colour from young fruit to maturity   | late in fruit development | early in fruit development | early in fruit development | late in fruit development |

|                                     |   |                                 |                                 |                                 |                                 |
|-------------------------------------|---|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| <input type="checkbox"/>            | *Fruit: length  | long                            | medium                          | long                            | medium                          |
| <input type="checkbox"/>            | *Fruit: diameter  | broad                           | medium                          | broad                           | medium                          |
| <input type="checkbox"/>            | *Fruit: ratio length/diameter                                       | medium to large                 | medium                          | medium                          | medium                          |
| <input type="checkbox"/>            | *Fruit: position of maximum diameter                                | at middle                       | at middle                       | at middle                       | at middle                       |
| <input type="checkbox"/>            | *Fruit: shape in longitudinal section                               | broad elliptic                  | broad elliptic                  | oblate                          | broad elliptic                  |
| <input type="checkbox"/>            | *Fruit: ground colour of skin                                       | yellow                          | yellow                          | yellow                          | white                           |
| <input type="checkbox"/>            | Fruit: intensity of ground colour of skin                           | light                           | light                           | light to medium                 | medium                          |
| <input type="checkbox"/>            | Fruit: hue of ground colour of skin                                 | greenish                        | yellowish                       | absent or very weak             | greenish                        |
| <input type="checkbox"/>            | Fruit: density of dots  | medium                          | medium                          | dense                           | dense                           |
| <input type="checkbox"/>            | Fruit: size of dots   | small                           | small                           | small                           | small to medium                 |
| <input type="checkbox"/>            | Fruit: colour of dots   | yellow                          | yellow                          | yellow                          | white                           |
| <input type="checkbox"/>            | Fruit: intensity of colour of dots                                  | light                           | very light                      | light                           | light                           |
| <input type="checkbox"/>            | *Fruit: density of patches  | absent or very sparse           | absent or very sparse           | absent or very sparse           | absent or very sparse           |
| <input type="checkbox"/>            | *Fruit: warts   | absent                          | absent                          | absent                          | absent                          |
| <input type="checkbox"/>            | *Fruit: strength of attachment of peduncle at maturity              | strong                          | medium                          | very weak                       | strong                          |
| <input type="checkbox"/>            | *Fruit: shape of base   | rounded                         | rounded                         | rounded                         | truncate                        |
| <input type="checkbox"/>            | *Fruit: shape of apex   | rounded                         | rounded                         | rounded                         | rounded                         |
| <input type="checkbox"/>            | *Fruit: size of pistil scar   | large                           | small to medium                 | medium                          | small                           |
| <input type="checkbox"/>            | *Fruit: grooves   | absent or very weakly expressed | absent or very weakly expressed | absent or very weakly expressed | absent or very weakly expressed |
| <input type="checkbox"/>            | *Fruit: creasing of surface   | absent or very weak             | weak                            | weak                            | very weak to weak               |
| <input type="checkbox"/>            | *Fruit: cork formation  | absent                          | absent                          | absent                          | absent                          |
| <input type="checkbox"/>            | Fruit: rate of change of skin colour from maturity to over maturity | absent or very slow             | absent or very slow             | absent or very slow             | absent or very slow             |
| <input type="checkbox"/>            | Fruit: width of flesh in longitudinal section                       | thick                           | medium                          | thick                           | thick                           |
| <input checked="" type="checkbox"/> | *Fruit: main colour of flesh  | orange                          | orange                          | orange                          | green                           |

|                                     |   |                 |                |                |                    |
|-------------------------------------|---|-----------------|----------------|----------------|--------------------|
| <input type="checkbox"/>            | Fruit: intensity of orange colour of flesh (varieties with main colour of flesh: orange only) | medium          | light          | light          | n/a                |
| <input type="checkbox"/>            | Fruit: firmness of flesh  | firm            | firm           | firm           | firm               |
| <input type="checkbox"/>            | *Seed: length   | short to medium | medium         | medium         | medium to long     |
| <input type="checkbox"/>            | Seed: width   | medium          | medium         | narrow         | medium             |
| <input checked="" type="checkbox"/> | Seed: shape   | pine-nut shape  | pine-nut shape | pine-nut shape | not pine-nut shape |
| <input type="checkbox"/>            | *Seed: colour   | cream yellow    | cream yellow   | cream yellow   | cream yellow       |
| <input type="checkbox"/>            | Seed: intensity of colour (varieties with cream yellow seed colour only)                      | dark            | medium         | dark           | light              |
| <input type="checkbox"/>            | Time of: male flowering   | very early      | very early     | very early     | early              |
| <input type="checkbox"/>            | Time of: female flowering   | very early      | early          | very early     | early              |
| <input checked="" type="checkbox"/> | Time of: ripening   | early           | very early     | early          | medium             |

#### **Characteristics Additional to the Descriptor/TG**

| <b>Organ/Plant Part: Context</b>               | <b>'HD0393502'</b> | <b>'HD0393501'</b> | <b>'PS 03935152'</b> | <b>'Saturno'</b> |
|--|--------------------|--------------------|----------------------|------------------|
| <input type="checkbox"/> Fruit: brix (degrees) | 6.14               | 10.3               | 9.5                  | 9                |

#### **Prior Applications and Sales**

| <b>Country</b> | <b>Year</b> | <b>Current Status</b> | <b>Name Applied</b> |
|----------------|-------------|-----------------------|---------------------|
| EU             | 2010        | Applied               | 'HD0393502'         |

Prior sale nil.

Description: **Conrad Leeks and Shruti Dave**, Monsanto Australia Limited, Melbourne, VIC.

**Details of Application**

|                           |   |
|---------------------------|---|
| <b>Application Number</b> | 2011/331                                      |
| <b>Variety Name</b>       | 'HDO393501'                                   |
| <b>Genus Species</b>      | <i>Cucumis melo</i>                           |
| <b>Common Name</b>        | Melon   |
| <b>Synonym</b>            | Nil   |
| <b>Accepted Date</b>      | 25 Jan 2012                                   |
| <b>Applicant</b>          | Seminis Vegetable Seeds Inc., Oxnard, CA, USA |
| <b>Agent</b>              | Monsanto Australia Limited, Melbourne, VIC    |
| <b>Qualified Person</b>   | Conrad Leeks                                  |

**Details of Comparative Trial**

|                            |  |
|----------------------------|--|
| <b>Location</b>            | Peracto, Bowen, Qld (Latitude 20°00'35.44''S<br>Longitude 148°11'14.45'' E)  |
| <b>Descriptor</b>          | <i>Cucumis melo</i> (melon) UPOV TG/104/5  |
| <b>Period</b>              | May– July 2012   |
| <b>Conditions</b>          | Seedlings were raised at Queensland seedlings. Transplanted in the sandy soils in the ambient high rainfall area of Northern Queensland. Pest and diseases were managed by standard agronomic methods. |
| <b>Trial Design</b>        | Spaced plant trial in a linear design with three replicates.   |
| <b>Measurements</b>        | All observations were done in accordance with UPOV TG/104/5  |
| <b>RHS Chart - edition</b> | None   |

**Origin and Breeding**

Controlled pollination: HDO393501 originated as a single plant selection from CAWOWGH38-S-01-047-2a, a Seminis proprietary breeding line. Selfing and single plant selections continued for seven more generations. Selection criteria in the development of HDO393501 included orange flesh colour, firm flesh, and suitable shelf life, and resistance to Powdery Mildew Race 1 and 2. The breeding work was carried out by Paul Chung at the Seminis Vegetable Seed Research Station in Woodland, California. Additional observations made during five years of seed increase (2005 - 2010) confirm that this line is uniform and stable within commercially acceptable limits. Breeder: Seminis Vegetable Seeds Inc.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>         | <b>State of Expression in Group of Varieties</b> |
|-------------------------|------------------------|--|
| Inflorescence           | sex expression         | andromonoecious                                  |
| Fruit                   | grooves                | absent or very weakly expressed                  |
| Fruit                   | cork formation         | absent   |
| Seed                    | colour                 | cream yellow                                     |
| Plant                   | time of male flowering | very early/early                                 |
| Plant                   | time of male flowering | very early/early                                 |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| Name          | Comments                  |
|---------------|---------------------------|
| 'PS 03935152' | Hybrid                    |
| 'HD0393502'   | Male parent               |
| 'Saturno'     | Also known as 'Classique' |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part:<br>Context   | 'HD0393501'         | 'PS 03935152'         | 'HD0393502'         | 'Saturno'       |
|--|---------------------|-----------------------|---------------------|-----------------|
| <input checked="" type="checkbox"/> Seedling: length of hypocotyl                    | medium              | short                 | short               | n/a             |
| <input checked="" type="checkbox"/> Seedling: size of cotyledon                      | medium              | small                 | small               | n/a             |
| <input checked="" type="checkbox"/> Seedling: intensity of green colour of cotyledon | medium              | light                 | light               | n/a             |
| <input checked="" type="checkbox"/> Leaf blade: size                                 | large               | medium                | large               | n/a             |
| <input type="checkbox"/> Leaf blade: intensity of green colour                       | dark                | dark                  | medium              | n/a             |
| <input checked="" type="checkbox"/> Leaf blade: development of lobes                 | strong              | weak                  | medium              | n/a             |
| <input type="checkbox"/> Leaf blade: length of terminal lobe                         | long                | short                 | medium              | n/a             |
| <input type="checkbox"/> Leaf blade: dentation of margin                             | medium              | weak                  | weak                | n/a             |
| <input type="checkbox"/> Leaf blade: blistering                                      | strong              | medium                | weak                | n/a             |
| <input type="checkbox"/> Petiole: attitude   | erect               | erect                 | erect               | n/a             |
| <input type="checkbox"/> Petiole: length   | long                | long                  | long                | n/a             |
| <input type="checkbox"/> *Inflorescence: sex expression                              | andromonoecious     | andromonoecious       | andromonoecious     | andromonoecious |
| <input type="checkbox"/> Young fruit: hue of green colour of skin                    | whitish green       | yellowish green       | green               | n/a             |
| <input type="checkbox"/> *Young fruit: intensity of green colour of skin             | light               | light                 | light               | n/a             |
| <input type="checkbox"/> Young fruit: density of dots                                | very dense          | absent or very sparse | dense               | n/a             |
| <input type="checkbox"/> Young fruit: conspicuousness of groove colouring            | absent or very weak | absent or very weak   | absent or very weak | n/a             |
| <input type="checkbox"/> Young fruit: length of peduncle                             | very short          | long                  | medium              | n/a             |



|                          |   |                                 |                                 |                                 |                                 |
|--------------------------|---|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| <input type="checkbox"/> | Young fruit: thickness of peduncle 1 cm from fruit        | medium                          | medium                          | medium                          | n/a                             |
| <input type="checkbox"/> | Young fruit: extension of darker area around peduncle     | absent or very small            | absent or very small            | medium                          | n/a                             |
| <input type="checkbox"/> | Fruit: change of skin colour from young fruit to maturity | early in fruit development      | early in fruit development      | late in fruit development       | late in fruit development       |
| <input type="checkbox"/> | *Fruit: length  | medium                          | long                            | long                            | medium                          |
| <input type="checkbox"/> | *Fruit: diameter  | medium                          | broad                           | broad                           | medium                          |
| <input type="checkbox"/> | *Fruit: ratio length/diameter                             | medium                          | medium                          | medium to large                 | medium                          |
| <input type="checkbox"/> | *Fruit: position of maximum diameter                      | at middle                       | at middle                       | at middle                       | at middle                       |
| <input type="checkbox"/> | *Fruit: shape in longitudinal section                     | broad elliptic                  | oblate                          | broad elliptic                  | broad elliptic                  |
| <input type="checkbox"/> | *Fruit: ground colour of skin                             | yellow                          | yellow                          | yellow                          | white                           |
| <input type="checkbox"/> | Fruit: intensity of ground colour of skin                 | light                           | light to medium                 | light                           | medium                          |
| <input type="checkbox"/> | Fruit: hue of ground colour of skin                       | yellowish                       | absent or very weak             | greenish                        | greenish                        |
| <input type="checkbox"/> | Fruit: density of dots                                    | medium                          | dense                           | medium                          | dense                           |
| <input type="checkbox"/> | Fruit: size of dots                                       | small                           | small                           | small                           | small to medium                 |
| <input type="checkbox"/> | Fruit: colour of dots                                     | yellow                          | yellow                          | yellow                          | white                           |
| <input type="checkbox"/> | Fruit: intensity of colour of dots                        | very light                      | light                           | light                           | light                           |
| <input type="checkbox"/> | *Fruit: density of patches                                | absent or very sparse           | absent or very sparse           | absent or very sparse           | absent or very sparse           |
| <input type="checkbox"/> | *Fruit: warts   | absent                          | absent                          | absent                          | absent                          |
| <input type="checkbox"/> | *Fruit: strength of attachment of peduncle at maturity    | medium                          | very weak                       | strong                          | strong                          |
| <input type="checkbox"/> | *Fruit: shape of base                                     | rounded                         | rounded                         | rounded                         | truncate                        |
| <input type="checkbox"/> | *Fruit: shape of apex                                     | rounded                         | rounded                         | rounded                         | rounded                         |
| <input type="checkbox"/> | *Fruit: size of pistil scar                               | small to medium                 | medium                          | large                           | small                           |
| <input type="checkbox"/> | *Fruit: grooves   | absent or very weakly expressed | absent or very weakly expressed | absent or very weakly expressed | absent or very weakly expressed |

|                                     |   |                     |                     |                     |                     |
|-------------------------------------|---|---------------------|---------------------|---------------------|---------------------|
| <input type="checkbox"/>            | *Fruit: creasing of surface   | weak                | weak                | absent or very weak | very weak to weak   |
| <input type="checkbox"/>            | *Fruit: cork formation  | absent              | absent              | absent              | absent              |
| <input type="checkbox"/>            | Fruit: rate of change of skin colour from maturity to over maturity                           | absent or very slow | absent or very slow | absent or very slow | absent or very slow |
| <input type="checkbox"/>            | Fruit: width of flesh in longitudinal section   | medium              | thick               | thick               | thick               |
| <input checked="" type="checkbox"/> | *Fruit: main colour of flesh  | orange              | orange              | orange              | green               |
| <input type="checkbox"/>            | Fruit: intensity of orange colour of flesh (varieties with main colour of flesh: orange only) | light               | light               | medium              | n/a                 |
| <input type="checkbox"/>            | Fruit: firmness of flesh  | firm                | firm                | firm                | firm                |
| <input type="checkbox"/>            | *Seed: length   | medium              | medium              | short to medium     | medium to long      |
| <input type="checkbox"/>            | Seed: width   | medium              | narrow              | medium              | medium              |
| <input checked="" type="checkbox"/> | Seed: shape   | pine-nut shape      | pine-nut shape      | pine-nut shape      | not pine-nut shape  |
| <input type="checkbox"/>            | *Seed: colour   | cream yellow        | cream yellow        | cream yellow        | cream yellow        |
| <input type="checkbox"/>            | Seed: intensity of colour (varieties with cream yellow seed colour only)                      | medium              | dark                | dark                | light               |
| <input type="checkbox"/>            | Time of: male flowering   | very early          | very early          | very early          | early               |
| <input type="checkbox"/>            | Time of: female flowering   | early               | very early          | very early          | early               |
| <input checked="" type="checkbox"/> | Time of: ripening   | very early          | early               | early               | medium              |

#### **Characteristics Additional to the Descriptor/TG**

**Organ/Plant Part: Context** 'HD0393501' 'PS 03935152' 'HD0393502' 'Saturno'

|                          |                       |      |     |      |   |
|--------------------------|-----------------------|------|-----|------|---|
| <input type="checkbox"/> | Fruit: brix (degrees) | 10.3 | 9.5 | 6.14 | 9 |
|--------------------------|-----------------------|------|-----|------|---|

#### **Prior Applications and Sales**

| Country | Year | Current Status | Name Applied |
|---------|------|----------------|--------------|
| EU      | 2010 | Applied        | 'HD0393501'  |

Prior sale nil.

Description: **Conrad Leeks and Shruti Dave**, Monsanto Australia Limited, Melbourne, VIC.

**Details of Application**

|                           |   |
|---------------------------|---|
| <b>Application Number</b> | 2011/330                                      |
| <b>Variety Name</b>       | 'PS 03935152'                                 |
| <b>Genus Species</b>      | <i>Cucumis melo</i>                           |
| <b>Common Name</b>        | Melon   |
| <b>Synonym</b>            | Nil   |
| <b>Accepted Date</b>      | 25 Jan 2012                                   |
| <b>Applicant</b>          | Seminis Vegetable Seeds Inc., Oxnard, CA, USA |
| <b>Agent</b>              | Monsanto Australia Limited, Melbourne, VIC    |
| <b>Qualified Person</b>   | Conrad Leeks                                  |

**Details of Comparative Trial**

|                            |  |
|----------------------------|--|
| <b>Location</b>            | Peracto, Bowen, Qld (Latitude 20°00'35.44"S<br>Longitude 148°11'14.45" E)  |
| <b>Descriptor</b>          | <i>Cucumis melo</i> (melon) UPOV TG/104/5  |
| <b>Period</b>              | May– July 2012   |
| <b>Conditions</b>          | Seedlings were raised at Queensland seedlings. Transplanted in the sandy soils in the ambient high rainfall area of Northern Queensland. Pest and diseases were managed by standard agronomic methods. |
| <b>Trial Design</b>        | Spaced plant trial in a linear design with three replicates.   |
| <b>Measurements</b>        | All observations were done in accordance with UPOV TG/104/5  |
| <b>RHS Chart - edition</b> | None   |

**Origin and Breeding**

Controlled pollination: F1 hybrid PS 03935152 was created from an initial cross between the Seminis breeding lines 'HDO39-3501' and 'HDO39-3502'. Selection criteria in the development of PS 03935152 included orange flesh colour, firm flesh, and suitable shelf life. The breeding work was carried out by Paul Chung at the Seminis Vegetable Seed Research Station in Woodland, California. Observations made during 8 years of field trials and two years of seed increase (in 2008 and 2009) confirm that PS 03935152 is uniform and stable within commercially acceptable limits. Breeder: Seminis Vegetable Seeds Inc.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>         | <b>State of Expression in Group of Varieties</b> |
|-------------------------|------------------------|--|
| Inflorescence           | sex expression         | andromonoecious                                  |
| Fruit                   | grooves                | absent or very weakly expressed                  |
| Fruit                   | cork formation         | absent   |
| Seed                    | colour                 | cream yellow                                     |
| Plant                   | time of male flowering | very early/early                                 |
| Plant                   | time of male flowering | very early/early                                 |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b> | <b>Comments</b>           |
|-------------|---------------------------|
| 'HD0393501' | Female parent             |
| 'HD0393502' | Male parent               |
| 'Saturno'   | Also known as 'Classique' |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context  | 'PS 03935152'              | 'HD0393501'                | 'HD0393502'               | 'Saturno'                 |
|--|----------------------------|----------------------------|---------------------------|---------------------------|
| <input checked="" type="checkbox"/> Seedling: length of hypocotyl                    | short                      | medium                     | short                     | n/a                       |
| <input checked="" type="checkbox"/> Seedling: size of cotyledon                      | small                      | medium                     | small                     | n/a                       |
| <input checked="" type="checkbox"/> Seedling: intensity of green colour of cotyledon | light                      | medium                     | light                     | n/a                       |
| <input checked="" type="checkbox"/> Leaf blade: size                                 | medium                     | large                      | large                     | n/a                       |
| <input type="checkbox"/> Leaf blade: intensity of green colour                       | dark                       | dark                       | medium                    | n/a                       |
| <input checked="" type="checkbox"/> Leaf blade: development of lobes                 | weak                       | strong                     | medium                    | n/a                       |
| <input type="checkbox"/> Leaf blade: length of terminal lobe                         | short                      | long                       | medium                    | n/a                       |
| <input type="checkbox"/> Leaf blade: dentation of margin                             | weak                       | medium                     | weak                      | n/a                       |
| <input type="checkbox"/> Leaf blade: blistering                                      | medium                     | strong                     | weak                      | n/a                       |
| <input type="checkbox"/> Petiole: attitude   | erect                      | erect                      | erect                     | n/a                       |
| <input type="checkbox"/> Petiole: length   | long                       | long                       | long                      | n/a                       |
| <input type="checkbox"/> *Inflorescence: sex expression                              | andromonoecious            | andromonoecious            | andromonoecious           | andromonoecious           |
| <input type="checkbox"/> Young fruit: hue of green colour of skin                    | yellowish green            | whitish green              | green                     | n/a                       |
| <input type="checkbox"/> *Young fruit: intensity of green colour of skin             | light                      | light                      | light                     | n/a                       |
| <input type="checkbox"/> Young fruit: density of dots                                | absent or very sparse      | very dense                 | dense                     | n/a                       |
| <input type="checkbox"/> Young fruit: conspicuousness of groove colouring            | absent or very weak        | absent or very weak        | absent or very weak       | n/a                       |
| <input type="checkbox"/> Young fruit: length of peduncle                             | long                       | very short                 | medium                    | n/a                       |
| <input type="checkbox"/> Young fruit: thickness of peduncle 1 cm from fruit          | medium                     | medium                     | medium                    | n/a                       |
| <input type="checkbox"/> Young fruit: extension of darker area around peduncle       | absent or very small       | absent or very small       | medium                    | n/a                       |
| <input type="checkbox"/> Fruit: change of skin colour from young fruit to maturity   | early in fruit development | early in fruit development | late in fruit development | late in fruit development |
| <input type="checkbox"/> *Fruit: length  | long                       | medium                     | long                      | medium                    |

|                                     |   |                                 |                                 |                                 |                                 |
|-------------------------------------|---|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| <input type="checkbox"/>            | *Fruit: diameter  | broad                           | medium                          | broad                           | medium                          |
| <input type="checkbox"/>            | *Fruit: ratio length/diameter   | medium                          | medium                          | medium to large                 | medium                          |
| <input type="checkbox"/>            | *Fruit: position of maximum diameter  | at middle                       | at middle                       | at middle                       | at middle                       |
| <input type="checkbox"/>            | *Fruit: shape in longitudinal section   | oblate                          | broad elliptic                  | broad elliptic                  | broad elliptic                  |
| <input type="checkbox"/>            | *Fruit: ground colour of skin   | yellow                          | yellow                          | yellow                          | white                           |
| <input type="checkbox"/>            | Fruit: intensity of ground colour of skin   | light to medium                 | light                           | light                           | medium                          |
| <input type="checkbox"/>            | Fruit: hue of ground colour of skin   | absent or very weak             | yellowish                       | greenish                        | greenish                        |
| <input type="checkbox"/>            | Fruit: density of dots  | dense                           | medium                          | medium                          | dense                           |
| <input type="checkbox"/>            | Fruit: size of dots   | small                           | small                           | small                           | small to medium                 |
| <input type="checkbox"/>            | Fruit: colour of dots   | yellow                          | yellow                          | yellow                          | white                           |
| <input type="checkbox"/>            | Fruit: intensity of colour of dots  | light                           | very light                      | light                           | light                           |
| <input type="checkbox"/>            | *Fruit: density of patches  | absent or very sparse           | absent or very sparse           | absent or very sparse           | absent or very sparse           |
| <input type="checkbox"/>            | *Fruit: warts   | absent                          | absent                          | absent                          | absent                          |
| <input type="checkbox"/>            | *Fruit: strength of attachment of peduncle at maturity  | very weak                       | medium                          | strong                          | strong                          |
| <input type="checkbox"/>            | *Fruit: shape of base   | rounded                         | rounded                         | rounded                         | truncate                        |
| <input type="checkbox"/>            | *Fruit: shape of apex   | rounded                         | rounded                         | rounded                         | rounded                         |
| <input type="checkbox"/>            | *Fruit: size of pistil scar   | medium                          | small to medium                 | large                           | small                           |
| <input type="checkbox"/>            | *Fruit: grooves   | absent or very weakly expressed | absent or very weakly expressed | absent or very weakly expressed | absent or very weakly expressed |
| <input type="checkbox"/>            | *Fruit: creasing of surface   | weak                            | weak                            | absent or very weak             | very weak to weak               |
| <input type="checkbox"/>            | *Fruit: cork formation  | absent                          | absent                          | absent                          | absent                          |
| <input type="checkbox"/>            | Fruit: rate of change of skin colour from maturity to over maturity                           | absent or very slow             | absent or very slow             | absent or very slow             | absent or very slow             |
| <input type="checkbox"/>            | Fruit: width of flesh in longitudinal section   | thick                           | medium                          | thick                           | thick                           |
| <input checked="" type="checkbox"/> | *Fruit: main colour of flesh  | orange                          | orange                          | orange                          | green                           |
| <input type="checkbox"/>            | Fruit: intensity of orange colour of flesh (varieties with main colour of flesh: orange only) | light                           | light                           | medium                          | n/a                             |

|                                     |  |                |                |                 |                    |
|-------------------------------------|--|----------------|----------------|-----------------|--------------------|
| <input type="checkbox"/>            | Fruit: firmness of flesh   | firm           | firm           | firm            | firm               |
| <input type="checkbox"/>            | *Seed: length  | medium         | medium         | short to medium | medium to long     |
| <input type="checkbox"/>            | Seed: width  | narrow         | medium         | medium          | medium             |
| <input checked="" type="checkbox"/> | Seed: shape  | pine-nut shape | pine-nut shape | pine-nut shape  | not pine-nut shape |
| <input type="checkbox"/>            | *Seed: colour  | cream yellow   | cream yellow   | cream yellow    | cream yellow       |
| <input type="checkbox"/>            | Seed: intensity of colour<br>(varieties with cream yellow<br>seed colour only) | dark           | medium         | dark            | light              |
| <input type="checkbox"/>            | Time of: male flowering  | very early     | very early     | very early      | early              |
| <input type="checkbox"/>            | Time of: female flowering  | very early     | early          | very early      | early              |
| <input checked="" type="checkbox"/> | Time of: ripening  | early          | very early     | early           | medium             |

#### **Characteristics Additional to the Descriptor/TG**

| <b>Organ/Plant Part: Context</b>               | <b>'PS 03935152'</b> | <b>'HD0393501'</b> | <b>'HD0393502'</b> | <b>'Saturno'</b> |
|--|----------------------|--------------------|--------------------|------------------|
| <input type="checkbox"/> Fruit: brix (degrees) | 9.5                  | 10.3               | 6.14               | 9                |

#### **Prior Applications and Sales**

| <b>Country</b> | <b>Year</b> | <b>Current Status</b> | <b>Name Applied</b> |
|----------------|-------------|-----------------------|---------------------|
| EU             | 2010        | Applied               | 'PS 03935152'       |

Prior sale nil.

Description: **Conrad Leeks and Shruti Dave**, Monsanto Australia Limited, Melbourne, VIC.

**Details of Application**

|                           |   |
|---------------------------|---|
| <b>Application Number</b> | 2011/327                                      |
| <b>Variety Name</b>       | 'PX 14556354'                                 |
| <b>Genus Species</b>      | <i>Cucumis melo</i>                           |
| <b>Common Name</b>        | Melon   |
| <b>Synonym</b>            | BLISSBOMB                                     |
| <b>Accepted Date</b>      | 21 Feb 2012                                   |
| <b>Applicant</b>          | Seminis Vegetable Seeds Inc., Oxnard, CA, USA |
| <b>Agent</b>              | Monsanto Australia Limited, Melbourne, VIC    |
| <b>Qualified Person</b>   | Conrad Leeks                                  |

**Details of Comparative Trial**

|                            |  |
|----------------------------|--|
| <b>Location</b>            | Peracto, Bowen, Qld (Latitude 20°00'35.44''S<br>Longitude 148°11'14.45'' E)  |
| <b>Descriptor</b>          | <i>Cucumis melo</i> (melon) UPOV TG/104/5  |
| <b>Period</b>              | May– July 2012   |
| <b>Conditions</b>          | Seedlings were raised at Queensland seedlings. Transplanted in the sandy soils in the ambient high rainfall area of Northern Queensland. Pest and diseases were managed by standard agronomic methods. |
| <b>Trial Design</b>        | Spaced plant trial in a linear design with three replicates.   |
| <b>Measurements</b>        | All observations were done in accordance with UPOV TG/104/5  |
| <b>RHS Chart - edition</b> | None   |

**Origin and Breeding**

Controlled pollination: Melon hybrid PX 14556354 was developed by pedigree selection from an initial cross between the proprietary melon inbred lines MZZ 1456043 (female parent) and MZZ 1456030 (male parent) in 2005 at the Seminis Research Station in Khon Kaen, Thailand, and was followed by five cycles of selection in the years 2006 through 2010. The selection criteria used in the development of PX 14556354 includes smooth yellow skin, firm orange flesh, light sutures, oval fruit shape, high sugar content (Brix) and long shelf life. Breeder: Seminis Vegetable Seeds Inc.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>                    | <b>State of Expression in Group of Varieties</b> |
|-------------------------|-----------------------------------|--|
| Inflorescence           | sex expression                    | andromonoecious                                  |
| Fruit                   | position of maximum diameter      | at middle  |
| Fruit                   | ground colour of skin             | yellow   |
| Fruit                   | intensity of green colour of skin | dark   |
| Fruit                   | density of patches                | absent   |
| Fruit                   | warts                             | absent   |
| Fruit                   | cork formation                    | absent   |
| Fruit                   | time of ripening                  | medium   |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b>  | <b>Comments</b>         |
|--------------|-------------------------|
| 'MZZ1456043' | Female Parent           |
| 'MZZ1456030' | Male Parent             |
| 'Dewlicious' | also known as 'El Paso' |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context  | 'PX 14556354'             | 'Dewlicious'              | 'MZZ1456030'              | 'MZZ1456043'                    |
|--|---------------------------|---------------------------|---------------------------|---------------------------------|
| <input type="checkbox"/> *Inflorescence: sex expression                                    | andromonoecious           | andromonoecious           | andromonoecious           | andromonoecious                 |
| <input type="checkbox"/> Fruit: change of skin colour from young fruit to maturity         | late in fruit development | late in fruit development | late in fruit development | late in fruit development       |
| <input checked="" type="checkbox"/> *Fruit: length   | medium                    | medium                    | short                     | medium                          |
| <input type="checkbox"/> *Fruit: diameter  | medium                    | broad                     | narrow to medium          | narrow                          |
| <input checked="" type="checkbox"/> *Fruit: ratio length/diameter                          | medium                    | large                     | small                     | small                           |
| <input type="checkbox"/> *Fruit: position of maximum diameter                              | at middle                 | at middle                 | at middle                 | at middle                       |
| <input checked="" type="checkbox"/> *Fruit: shape in longitudinal section                  | medium elliptic           | oblate                    | oblate                    | medium elliptic                 |
| <input type="checkbox"/> *Fruit: ground colour of skin                                     | yellow                    | yellow                    | yellow                    | yellow                          |
| <input type="checkbox"/> Fruit: intensity of ground colour of skin                         | dark                      | dark                      | dark                      | dark                            |
| <input type="checkbox"/> Fruit: hue of ground colour of skin                               | yellowish                 | orange                    | orange                    | orange                          |
| <input checked="" type="checkbox"/> Fruit: density of dots                                 | dense                     | very sparse to sparse     | very sparse               | dense                           |
| <input checked="" type="checkbox"/> Fruit: size of dots                                    | medium                    | very small                | medium                    | large                           |
| <input type="checkbox"/> Fruit: colour of dots   | yellow                    | yellow                    | yellow                    | yellow                          |
| <input checked="" type="checkbox"/> Fruit: intensity of colour of dots                     | medium to dark            | very light to light       | light                     | medium to dark                  |
| <input type="checkbox"/> *Fruit: density of patches  | absent or very sparse     | absent or very sparse     | absent or very sparse     | absent or very sparse           |
| <input type="checkbox"/> *Fruit: warts   | absent                    | absent                    | absent                    | absent                          |
| <input checked="" type="checkbox"/> *Fruit: strength of attachment of peduncle at maturity | strong                    | medium                    | medium                    | weak to medium                  |
| <input type="checkbox"/> *Fruit: shape of base   | rounded                   | truncate                  | truncate                  | rounded                         |
| <input type="checkbox"/> *Fruit: shape of apex   | rounded                   | truncate                  | truncate                  | rounded                         |
| <input checked="" type="checkbox"/> *Fruit: size of pistil scar                            | small to medium           | medium                    | medium to large           | small                           |
| <input type="checkbox"/> *Fruit: grooves   | weakly expressed          | weakly expressed          | weakly expressed          | absent or very weakly expressed |
| <input type="checkbox"/> Fruit: width of grooves   | medium                    | n/a                       | medium                    | medium                          |
| <input type="checkbox"/> Fruit: depth of grooves   | shallow                   | n/a                       | shallow                   | shallow                         |
| <input type="checkbox"/> Fruit: colour of grooves  | white                     | n/a                       | white                     | white                           |



|   |   |                     |                     |                     |                     |
|---|---|---------------------|---------------------|---------------------|---------------------|
| <input checked="" type="checkbox"/>   | *Fruit: creasing of surface   | weak                | medium              | very weak to weak   | weak                |
| <input type="checkbox"/>  | *Fruit: cork formation  | absent              | absent              | absent              | absent              |
| <input type="checkbox"/>  | Fruit: rate of change of skin colour from maturity to over maturity                           | absent or very slow | absent or very slow | absent or very slow | absent or very slow |
| <input type="checkbox"/>  | Fruit: width of flesh in longitudinal section   | thick               | medium              | thick               | medium to thick     |
| <input checked="" type="checkbox"/>   | *Fruit: main colour of flesh  | orange              | greenish white      | orange              | orange              |
| <input type="checkbox"/>  | Fruit: intensity of orange colour of flesh (varieties with main colour of flesh: orange only) | light               | n/a                 | light               | light               |
| <input type="checkbox"/>  | Fruit: firmness of flesh  | firm                | firm                | firm                | firm                |
| <input checked="" type="checkbox"/>   | *Seed: length   | medium              | medium              | short               | medium              |
| <input checked="" type="checkbox"/>   | Seed: width   | medium              | narrow              | narrow              | medium              |
| <input checked="" type="checkbox"/>   | Seed: shape   | pine-nut shape      | not pine-nut shape  | pine-nut shape      | pine-nut shape      |
| <input type="checkbox"/>  | *Seed: colour   | cream yellow        | cream yellow        | whitish             | cream yellow        |
| <input checked="" type="checkbox"/>   | Seed: intensity of colour (varieties with cream yellow seed colour only)                      | medium              | medium              | n/a                 | light               |
| <input type="checkbox"/>  | Time of: male flowering   | early               | early               | early               | early               |
| <input type="checkbox"/>  | Time of: female flowering   | early               | early               | early               | early               |
| <input type="checkbox"/>  | Time of: ripening   | medium              | medium              | medium              | medium              |
| <b>Characteristics Additional to the Descriptor/TG</b>                                |   |                     |                     |                     |                     |
| <b>Organ/Plant Part: Context 'PX 14556354' 'Dewlicious' 'MZZ1456030' 'MZZ1456043'</b> |   |                     |                     |                     |                     |
| <input type="checkbox"/>  | Fruit: brix (degrees)   | 12                  | 13                  | 12                  | 9.5                 |

### **Prior Applications and Sales**

Prior applications nil. First sold in Australia in May 2011.

Description: **Conrad Leeks and Shruti Dave**, Monsanto Australia Limited, Melbourne, VIC.

**Details of Application**

|                           |   |
|---------------------------|---|
| <b>Application Number</b> | 2011/329                                      |
| <b>Variety Name</b>       | 'MZZ1456030'                                  |
| <b>Genus Species</b>      | <i>Cucumis melo</i>                           |
| <b>Common Name</b>        | Melon   |
| <b>Synonym</b>            | Nil   |
| <b>Accepted Date</b>      | 21 Feb 2012                                   |
| <b>Applicant</b>          | Seminis Vegetable Seeds Inc., Oxnard, CA, USA |
| <b>Agent</b>              | Monsanto Australia Limited, Melbourne, VIC    |
| <b>Qualified Person</b>   | Conrad Leeks                                  |

**Details of Comparative Trial**

|                            |  |
|----------------------------|--|
| <b>Location</b>            | Peracto, Bowen, Qld (Latitude 20°00'35.44''S<br>Longitude 148°11'14.45'' E)  |
| <b>Descriptor</b>          | <i>Cucumis melo</i> (melon) UPOV TG/104/5  |
| <b>Period</b>              | May– July 2012   |
| <b>Conditions</b>          | Seedlings were raised at Queensland seedlings. Transplanted in the sandy soils in the ambient high rainfall area of Northern Queensland. Pest and diseases were managed by standard agronomic methods. |
| <b>Trial Design</b>        | Spaced plant trial in a linear design with three replicates.   |
| <b>Measurements</b>        | All observations were done in accordance with UPOV TG/104/5  |
| <b>RHS Chart - edition</b> | None   |

**Origin and Breeding**

Controlled pollination: Melon MZZ1456030 (MZZ 145-6030 AN) was developed by pedigree selection at the Seminis Research Station in Khon Kaen, Thailand. The line began in early 2003 as an F2 selection from the melon hybrid Dewlicious called 'KOMO 167-1'. In mid 2003, 'KOMO 167-1' was crossed with a line from the Seminis China local collection. The resulting F1 population was selfed and selections were made. Selfing and single plant selections continued for generations F2 through F12 in 2003 through 2007 (three cycles per year in 2003 through 2005) as follows: 2003 (Cycle 1) 'KOMO 167-1' = individual selection from F2 of Dewlicious 2003 (Cycle 2) 'KOMO 167-1' X Selection from China local collection 2003 (Cycle 3) F2 2004 (Cycle 1) F3 2004 (Cycle 2) F4 2004 (Cycle 3) F5 2005 (Cycle 1) F6 2005 (Cycle 2) F7 2005 (Cycle 3) F8 2006 F9 - F11 2007 F12 - Line observed to be uniform and stable, designated as MZZ 145-6030 AN. Breeder: Seminis Vegetable Seeds Inc.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>                    | <b>State of Expression in Group of Varieties</b> |
|-------------------------|-----------------------------------|--|
| Inflorescence           | sex expression                    | andromonoecious                                  |
| Fruit                   | position of maximum diameter      | at middle  |
| Fruit                   | ground colour of skin             | yellow   |
| Fruit                   | intensity of green colour of skin | dark   |
| Fruit                   | density of patches                | absent   |
| Fruit                   | warts                             | absent   |
| Fruit                   | cork formation                    | absent   |
| Fruit                   | time of ripening                  | medium   |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b>   | <b>Comments</b>         |
|---------------|-------------------------|
| 'PX 14556354' | Hybrid                  |
| 'MZZ1456043'  | Female Parent           |
| 'Dewlicious'  | also known as 'El Paso' |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context  | 'MZZ1456030'              | 'MZZ1456043'                    | 'PX 14556354'             | 'Dewlicious'              |
|--|---------------------------|---------------------------------|---------------------------|---------------------------|
| <input type="checkbox"/> *Inflorescence: sex expression                                    | andromonoecious           | andromonoecious                 | andromonoecious           | andromonoecious           |
| <input type="checkbox"/> Fruit: change of skin colour from young fruit to maturity         | late in fruit development | late in fruit development       | late in fruit development | late in fruit development |
| <input checked="" type="checkbox"/> *Fruit: length   | short                     | medium                          | medium                    | medium                    |
| <input type="checkbox"/> *Fruit: diameter  | narrow to medium          | narrow                          | medium                    | broad                     |
| <input checked="" type="checkbox"/> *Fruit: ratio length/diameter                          | small                     | small                           | medium                    | large                     |
| <input type="checkbox"/> *Fruit: position of maximum diameter                              | at middle                 | at middle                       | at middle                 | at middle                 |
| <input checked="" type="checkbox"/> *Fruit: shape in longitudinal section                  | oblate                    | medium elliptic                 | medium elliptic           | oblate                    |
| <input type="checkbox"/> *Fruit: ground colour of skin                                     | yellow                    | yellow                          | yellow                    | yellow                    |
| <input type="checkbox"/> Fruit: intensity of ground colour of skin                         | dark                      | dark                            | dark                      | dark                      |
| <input type="checkbox"/> Fruit: hue of ground colour of skin                               | orange                    | orange                          | yellowish                 | orange                    |
| <input checked="" type="checkbox"/> Fruit: density of dots                                 | sparse                    | dense                           | dense                     | very sparse to sparse     |
| <input checked="" type="checkbox"/> Fruit: size of dots                                    | medium                    | large                           | medium                    | very small                |
| <input type="checkbox"/> Fruit: colour of dots   | yellow                    | yellow                          | yellow                    | yellow                    |
| <input checked="" type="checkbox"/> Fruit: intensity of colour of dots                     | light                     | medium to dark                  | medium to dark            | very light to light       |
| <input type="checkbox"/> *Fruit: density of patches  | absent or very sparse     | absent or very sparse           | absent or very sparse     | absent or very sparse     |
| <input type="checkbox"/> *Fruit: warts   | absent                    | absent                          | absent                    | absent                    |
| <input checked="" type="checkbox"/> *Fruit: strength of attachment of peduncle at maturity | medium                    | weak to medium                  | strong                    | medium                    |
| <input type="checkbox"/> *Fruit: shape of base   | truncate                  | rounded                         | rounded                   | truncate                  |
| <input type="checkbox"/> *Fruit: shape of apex   | truncate                  | rounded                         | rounded                   | truncate                  |
| <input checked="" type="checkbox"/> *Fruit: size of pistil scar                            | medium to large           | small                           | small to medium           | medium                    |
| <input type="checkbox"/> *Fruit: grooves   | weakly expressed          | absent or very weakly expressed | weakly expressed          | weakly expressed          |
| <input type="checkbox"/> Fruit: width of grooves   | medium                    | medium                          | medium                    | n/a                       |
| <input type="checkbox"/> Fruit: depth of grooves   | shallow                   | shallow                         | shallow                   | n/a                       |
| <input type="checkbox"/> Fruit: colour of grooves  | white                     | white                           | white                     | n/a                       |
| <input checked="" type="checkbox"/> *Fruit: creasing of                                    | very weak to weak         | weak                            | weak                      | medium                    |

surface

|   |   |                     |                     |                     |                     |
|---|---|---------------------|---------------------|---------------------|---------------------|
| <input type="checkbox"/>  | *Fruit: cork formation  | absent              | absent              | absent              | absent              |
| <input type="checkbox"/>  | Fruit: rate of change of skin colour from maturity to over maturity                           | absent or very slow | absent or very slow | absent or very slow | absent or very slow |
| <input type="checkbox"/>  | Fruit: width of flesh in longitudinal section   | thick               | medium to thick     | thick               | medium              |
| <input checked="" type="checkbox"/>   | *Fruit: main colour of flesh  | orange              | orange              | orange              | greenish white      |
| <input type="checkbox"/>  | Fruit: intensity of orange colour of flesh (varieties with main colour of flesh: orange only) | light               | light               | light               | n/a                 |
| <input type="checkbox"/>  | Fruit: firmness of flesh  | firm                | firm                | firm                | firm                |
| <input checked="" type="checkbox"/>   | *Seed: length   | short               | medium              | medium              | medium              |
| <input checked="" type="checkbox"/>   | Seed: width   | narrow              | medium              | medium              | narrow              |
| <input checked="" type="checkbox"/>   | Seed: shape   | pine-nut shape      | pine-nut shape      | pine-nut shape      | not pine-nut shape  |
| <input type="checkbox"/>  | *Seed: colour   | whitish             | cream yellow        | cream yellow        | cream yellow        |
| <input checked="" type="checkbox"/>   | Seed: intensity of colour (varieties with cream yellow seed colour only)                      | n/a                 | light               | medium              | medium              |
| <input type="checkbox"/>  | Time of: male flowering   | early               | early               | early               | early               |
| <input type="checkbox"/>  | Time of: female flowering   | early               | early               | early               | early               |
| <input type="checkbox"/>  | Time of: ripening   | medium              | medium              | medium              | medium              |
| <b>Characteristics Additional to the Descriptor/TG</b>                                |   |                     |                     |                     |                     |
| <b>Organ/Plant Part: Context ‘MZZ1456030’ ‘MZZ1456043’ ‘PX 14556354’ ‘Dewlicious’</b> |   |                     |                     |                     |                     |
| <input type="checkbox"/>  | Fruit: brix (degrees)   | 12                  | 9.5                 | 12                  | 13                  |

**Prior Applications and Sales**

Nil.

Description: **Conrad Leeks and Shruti Dave**, Monsanto Australia Limited, Melbourne, VIC.

**Details of Application**

|                           |   |
|---------------------------|---|
| <b>Application Number</b> | 2011/328                                      |
| <b>Variety Name</b>       | 'MZZ1456043'                                  |
| <b>Genus Species</b>      | <i>Cucumis melo</i>                           |
| <b>Common Name</b>        | Melon   |
| <b>Synonym</b>            | Nil   |
| <b>Accepted Date</b>      | 25 Jan 2012                                   |
| <b>Applicant</b>          | Seminis Vegetable Seeds Inc., Oxnard, CA, USA |
| <b>Agent</b>              | Monsanto Australia Limited, Melbourne, VIC    |
| <b>Qualified Person</b>   | Conrad Leeks                                  |

**Details of Comparative Trial**

|                            |  |
|----------------------------|--|
| <b>Location</b>            | Peracto, Bowen, Qld (Latitude 20°00'35.44''S<br>Longitude 148°11'14.45'' E)  |
| <b>Descriptor</b>          | <i>Cucumis melo</i> (melon) UPOV TG/104/5  |
| <b>Period</b>              | May– July 2012   |
| <b>Conditions</b>          | Seedlings were raised at Queensland seedlings. Transplanted in the sandy soils in the ambient high rainfall area of Northern Queensland. Pest and diseases were managed by standard agronomic methods. |
| <b>Trial Design</b>        | Spaced plant trial in a linear design with three replicates.   |
| <b>Measurements</b>        | All observations were done in accordance with UPOV TG/104/5  |
| <b>RHS Chart - edition</b> | None   |

**Origin and Breeding**

Controlled pollination: Melon MZZ1456043 (MZZ 145-6043 AN) was developed by pedigree selection at the Seminis Research Station in Khon Kaen, Thailand. The line began in early 2003 as an F2 selection from the melon hybrid Dewlicious called 'KOMO 162-8'. In mid 2003, 'KOMO 168-2' was crossed with a line from the Seminis China local collection. The resulting F1 population was selfed and selections were made. Selfing and single plant selections continued for generations F2 through F12 in 2003 through 2007 (three cycles per year in 2003 through 2005) as follows: 2003 (Cycle 1) 'KOMO 168-2' = individual selection from F2 of Dewlicious 2003 (Cycle 2) 'KOMO 168-2' X Selection from China local collection 2003 (Cycle 3) F2 2004 (Cycle 1) F3 2004 (Cycle 2) F4 2004 (Cycle 3) F5 2005 (Cycle 1) F6 2005 (Cycle 2) F7 2005 (Cycle 3) F8 2006 F9 - F11 2007 F12 - Line observed to be uniform and stable, designated as MZZ 145-6043 AN. Breeder: Seminis Vegetable Seeds Inc.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>                    | <b>State of Expression in Group of Varieties</b> |
|-------------------------|-----------------------------------|--|
| Inflorescence           | sex expression                    | andromonoecious                                  |
| Fruit                   | position of maximum diameter      | at middle  |
| Fruit                   | ground colour of skin             | yellow   |
| Fruit                   | intensity of green colour of skin | dark   |
| Fruit                   | density of patches                | absent   |
| Fruit                   | warts                             | absent   |
| Fruit                   | cork formation                    | absent   |
| Fruit                   | time of ripening                  | medium   |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b>   | <b>Comments</b>         |
|---------------|-------------------------|
| 'PX 14556354' | Hybrid                  |
| 'MZZ1456030'  | Male Parent             |
| 'Dewlicious'  | also known as 'El Paso' |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context  | 'MZZ1456043'                    | 'PX 14556354'             | 'Dewlicious'              | 'MZZ1456030'              |
|--|---------------------------------|---------------------------|---------------------------|---------------------------|
| <input type="checkbox"/> *Inflorescence: sex expression                                    | andromonoecious                 | andromonoecious           | andromonoecious           | andromonoecious           |
| <input type="checkbox"/> Fruit: change of skin colour from young fruit to maturity         | late in fruit development       | late in fruit development | late in fruit development | late in fruit development |
| <input checked="" type="checkbox"/> *Fruit: length   | medium                          | medium                    | medium                    | short                     |
| <input type="checkbox"/> *Fruit: diameter  | narrow                          | medium                    | broad                     | narrow to medium          |
| <input checked="" type="checkbox"/> *Fruit: ratio length/diameter                          | small                           | medium                    | large                     | small                     |
| <input type="checkbox"/> *Fruit: position of maximum diameter                              | at middle                       | at middle                 | at middle                 | at middle                 |
| <input checked="" type="checkbox"/> *Fruit: shape in longitudinal section                  | medium elliptic                 | medium elliptic           | oblate                    | oblate                    |
| <input type="checkbox"/> *Fruit: ground colour of skin                                     | yellow                          | yellow                    | yellow                    | yellow                    |
| <input type="checkbox"/> Fruit: intensity of ground colour of skin                         | dark                            | dark                      | dark                      | dark                      |
| <input type="checkbox"/> Fruit: hue of ground colour of skin                               | orange                          | yellowish                 | orange                    | orange                    |
| <input checked="" type="checkbox"/> Fruit: density of dots                                 | dense                           | dense                     | very sparse to sparse     | very sparse               |
| <input checked="" type="checkbox"/> Fruit: size of dots                                    | large                           | medium                    | very small                | medium                    |
| <input type="checkbox"/> Fruit: colour of dots   | yellow                          | yellow                    | yellow                    | yellow                    |
| <input checked="" type="checkbox"/> Fruit: intensity of colour of dots                     | medium to dark                  | medium to dark            | very light to light       | light                     |
| <input type="checkbox"/> *Fruit: density of patches  | absent or very sparse           | absent or very sparse     | absent or very sparse     | absent or very sparse     |
| <input type="checkbox"/> *Fruit: warts   | absent                          | absent                    | absent                    | absent                    |
| <input checked="" type="checkbox"/> *Fruit: strength of attachment of peduncle at maturity | weak to medium                  | strong                    | medium                    | medium                    |
| <input type="checkbox"/> *Fruit: shape of base   | rounded                         | rounded                   | truncate                  | truncate                  |
| <input type="checkbox"/> *Fruit: shape of apex   | rounded                         | rounded                   | truncate                  | truncate                  |
| <input checked="" type="checkbox"/> *Fruit: size of pistil scar                            | small                           | small to medium           | medium                    | medium to large           |
| <input type="checkbox"/> *Fruit: grooves   | absent or very weakly expressed | weakly expressed          | weakly expressed          | weakly expressed          |
| <input type="checkbox"/> Fruit: width of grooves   | medium                          | medium                    | n/a                       | medium                    |
| <input type="checkbox"/> Fruit: depth of grooves   | shallow                         | shallow                   | n/a                       | shallow                   |
| <input type="checkbox"/> Fruit: colour of grooves  | white                           | white                     | n/a                       | white                     |

|   |   |                     |                     |                     |                     |
|---|---|---------------------|---------------------|---------------------|---------------------|
| <input checked="" type="checkbox"/>   | *Fruit: creasing of surface   | weak                | weak                | medium              | very weak to weak   |
| <input type="checkbox"/>  | *Fruit: cork formation  | absent              | absent              | absent              | absent              |
| <input type="checkbox"/>  | Fruit: rate of change of skin colour from maturity to over maturity                           | absent or very slow | absent or very slow | absent or very slow | absent or very slow |
| <input type="checkbox"/>  | Fruit: width of flesh in longitudinal section   | medium to thick     | thick               | medium              | thick               |
| <input checked="" type="checkbox"/>   | *Fruit: main colour of flesh  | orange              | orange              | greenish white      | orange              |
| <input type="checkbox"/>  | Fruit: intensity of orange colour of flesh (varieties with main colour of flesh: orange only) | light               | light               | n/a                 | light               |
| <input type="checkbox"/>  | Fruit: firmness of flesh  | firm                | firm                | firm                | firm                |
| <input checked="" type="checkbox"/>   | *Seed: length   | medium              | medium              | medium              | short               |
| <input checked="" type="checkbox"/>   | Seed: width   | medium              | medium              | narrow              | narrow              |
| <input checked="" type="checkbox"/>   | Seed: shape   | pine-nut shape      | pine-nut shape      | not pine-nut shape  | pine-nut shape      |
| <input type="checkbox"/>  | *Seed: colour   | cream yellow        | cream yellow        | cream yellow        | whitish             |
| <input checked="" type="checkbox"/>   | Seed: intensity of colour (varieties with cream yellow seed colour only)                      | light               | medium              | medium              | n/a                 |
| <input type="checkbox"/>  | Time of: male flowering   | early               | early               | early               | early               |
| <input type="checkbox"/>  | Time of: female flowering   | early               | early               | early               | early               |
| <input type="checkbox"/>  | Time of: ripening   | medium              | medium              | medium              | medium              |
| <b>Characteristics Additional to the Descriptor/TG</b>                                |   |                     |                     |                     |                     |
| <b>Organ/Plant Part: Context 'MZZ1456043' 'PX 14556354' 'Dewlicious' 'MZZ1456030'</b> |   |                     |                     |                     |                     |
| <input type="checkbox"/>  | Fruit: brix (degrees)   | 9.5                 | 12                  | 13                  | 12                  |

### **Prior Applications and Sales**

Nil.

Description: **Conrad Leeks and Shruti Dave**, Monsanto Australia Limited, Melbourne, VIC.

**Details of Application**

|                           |   |
|---------------------------|---|
| <b>Application Number</b> | 2009/184                                      |
| <b>Variety Name</b>       | 'MicJur01'                                    |
| <b>Genus Species</b>      | <i>Michelia</i> hybrid                        |
| <b>Common Name</b>        | Michelia                                      |
| <b>Synonym</b>            | Nil   |
| <b>Accepted Date</b>      | 27 Oct 2009                                   |
| <b>Applicant</b>          | M C Jury, Waitara, NZ                         |
| <b>Agent</b>              | Anthony Tesselaar Plants Pty Ltd, Silvan, VIC |
| <b>Qualified Person</b>   | Christopher Prescott                          |

**Details of Comparative Trial**

|                            |  |
|----------------------------|--|
| <b>Location</b>            | Monbulk, Victoria (Latitude 37°52' South, 145°25' East, elevation 250m).   |
| <b>Descriptor</b>          | Magnolia (Magnolia), PBR National Descriptor   |
| <b>Period</b>              | July 2011 to August 2012   |
| <b>Conditions</b>          | The examination was conducted on the 28th of August 2012 as the <i>Michelia</i> 's were beginning to flower. The plants were grown within a commercial wholesale nursery environment with adequate irrigation and fertilizer supplied in slow release form. At the time of the examination the plants were towards the end of the release of fertilizer but were not showing any nutritional stress. |
| <b>Trial Design</b>        | 10 plants of each variety were arranged in the open in variety blocks of two rows of five plants each. The trial consisted of three year old trees in 330cm pots of a pine bark based soilless potting mix.  |
| <b>Measurements</b>        | Measurements were taken at random using one measurement per specimen   |
| <b>RHS Chart - edition</b> | 1995   |

**Origin and Breeding**

Controlled pollination: *Michelia* 'MicJur01' was the resultant seedling from a cross between *Michelia yunnanensis* and *Michelia* 'Mixed up Miss'. Cross pollination was occurred in August 1995. Selection criteria – flower colour. All work was carried out by Mark Jury on his property Tikorangi, Waitara, North Taranaki, New Zealand.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b> | <b>State of Expression in Group of Varieties</b> |
|-------------------------|----------------|--|
| Plant                   | type           | tree   |
| Plant                   | growth habit   | upright  |
| Flower                  | main colour    | white  |
| Petal                   | colour         | predominantly purple                             |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b>     | <b>Comments</b> |
|-----------------|-----------------|
| 'Bubbles'       |                 |
| 'Mixed up Miss' | Paternal parent |



**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| <b>Organ/Plant Part: Context</b>  | <b>'MicJur01'</b>           | <b>'Bubbles'</b>                | <b>'Mixed up Miss'</b>         |
|---|-----------------------------|---------------------------------|--------------------------------|
| <input type="checkbox"/> Plant: seasonality   | evergreen                   | evergreen                       | evergreen                      |
| <input type="checkbox"/> Plant: type  | tree                        | tree                            | tree                           |
| <input type="checkbox"/> Plant: growth habit  | upright                     | upright                         | upright                        |
| <input type="checkbox"/> Leaf: shape of blade   | elliptic                    | elliptic                        | elliptic                       |
| <input checked="" type="checkbox"/> Leaf: main colour upper side                              | dark green                  | light green to medium green     | light green to medium green    |
| <input checked="" type="checkbox"/> Leaf: main colour lower side                              | medium green to dark green  | light green to medium green     | light green to medium green    |
| <input checked="" type="checkbox"/> Flower bud: colour  | purple                      | white                           | white                          |
| <input type="checkbox"/> Flower: diameter   | small to medium             | medium                          | medium                         |
| <input type="checkbox"/> Flower: main colour  | white                       | white                           | white                          |
| <input type="checkbox"/> Flower: shape (lateral view)   | informal                    | informal                        | informal                       |
| <input checked="" type="checkbox"/> Petal: length   | short to medium             | medium                          | medium to long                 |
| <input type="checkbox"/> Petal: width   | medium                      | medium                          | narrow to medium               |
| <input checked="" type="checkbox"/> Petal: width in relation to length                        | small (1/2) to medium (2/3) | very small (1/3) to small (1/2) | small (1/2)                    |
| <input type="checkbox"/> Petal: main colour mid zone upper side (RHS colour chart)            | 155C                        | 155A                            | 155A                           |
| <input checked="" type="checkbox"/> Petal: main colour mid zone lower side (RHS colour chart) | 186D                        | 155A                            | 155A with slight tinge of 186D |
| <input checked="" type="checkbox"/> Petal: main colour margin upper side (RHS colour chart)   | 186C                        | 155A with slight tinge 186D     | 186C                           |
| <input checked="" type="checkbox"/> Petal: main colour margin lower side (RHS colour chart)   | 186C                        | 155A with slight tinge 186D     | 186B                           |
| <input type="checkbox"/> Filament: colour   | purple                      | purple                          | purple                         |
| <input type="checkbox"/> Anther: colour   | yellow                      | yellow                          | yellow                         |
| <input type="checkbox"/> Flower: number of petals   | medium                      | medium                          | medium                         |
| <input checked="" type="checkbox"/> Time of: beginning of flowering                           | medium                      | medium to late                  | late                           |

**Characteristics Additional to the Descriptor/TG**

| <b>Organ/Plant Part: Context</b>                        | <b>'MicJur01'</b> | <b>'Bubbles'</b> | <b>'Mixed up Miss'</b> |
|---|-------------------|------------------|------------------------|
| <input checked="" type="checkbox"/> Leaf: apex          | obtuse            | acute            | acute                  |
| <input checked="" type="checkbox"/> Leaf: shape of base | acute             | obtuse           | acute                  |

**Statistical Table**

| <b>Organ/Plant Part: Context</b>  | <b>'MicJur01'</b> | <b>'Bubbles'</b> | <b>'Mixed up Miss'</b> |
|---|-------------------|------------------|------------------------|
| <input checked="" type="checkbox"/> Flower bud: number per branch (middle third including laterals)         |                   |                  |                        |
| Mean  | 32.20             | 17.00            | 15.60                  |
| Std. Deviation  | 10.38             | 6.20             | 11.15                  |
| Lsd/sig   | 11.66             | P≤0.01           | P≤0.01                 |
| <input checked="" type="checkbox"/> Leaf: length (middle third of plant, largest leaf including petiole) mm |                   |                  |                        |
| Mean  | 99.07             | 119.17           | 117.62                 |
| Std. Deviation  | 9.90              | 16.41            | 10.55                  |
| Lsd/sig   | 15.19             | P≤0.01           | P≤0.01                 |
| <input type="checkbox"/> Leaf: Leaf: width (middle third of plant, largest leaf including petiole) mm       |                   |                  |                        |
| Mean  | 40.90             | 45.98            | 43.33                  |
| Std. Deviation  | 7.72              | 2.48             | 3.06                   |
| Lsd/sig   | 5.87              | ns               | ns                     |
| <input checked="" type="checkbox"/> Plant: height (at 3 yr old) cm  |                   |                  |                        |
| Mean  | 108.60            | 125.50           | 136.90                 |
| Std. Deviation  | 13.73             | 7.79             | 10.17                  |
| Lsd/sig   | 13                | P≤0.01           | P≤0.01                 |

**Prior Applications and Sales**

| <b>Country</b> | <b>Year</b> | <b>Current Status</b> | <b>Name Applied</b> |
|----------------|-------------|-----------------------|---------------------|
| NZ             | 2008        | Granted               | MicJur01            |
| USA            | 2009        | Granted               | Micjur01            |
| QZ             | 2012        | Applied               | Micjur01            |

First sold in NZ in August in 2008.

Description: **Christopher Prescott**, Clyde, VIC.

**Details of Application**

|                           |  |
|---------------------------|--|
| <b>Application Number</b> | 2012/010                                     |
| <b>Variety Name</b>       | 'Sugarine 1'                                 |
| <b>Genus Species</b>      | <i>Prunus persica</i> var <i>nucipersica</i> |
| <b>Common Name</b>        | Nectarine                                    |
| <b>Synonym</b>            | Ruby Sugarine                                |
| <b>Accepted Date</b>      | 16 May 2012                                  |
| <b>Applicant</b>          | Lowell G. Bradford, California, USA          |
| <b>Agent</b>              | Buchanan's Nursery, Hodgsonvale, QLD         |
| <b>Qualified Person</b>   | Peter Buchanan                               |

**Details of Comparative Trial**

|                                       |  |
|---------------------------------------|--|
| <b>Overseas Testing Authority</b>     | United States Patent and Trademark Office  |
| <b>Overseas Data Reference Number</b> | US PP 16,585   |
| <b>Location</b>                       | Buchanan's Nursery, 262 Breydon Rd, Hodgson Vale 4352  |
| <b>Descriptor</b>                     | Peach/Nectarine ( <i>Prunus persica</i> ) TG/53/7  |
| <b>Period</b>                         | 2 years  |
| <b>Conditions</b>                     | The trial was conducted under normal growing conditions for Hodgsonvale, Queensland. Sufficient winter chill as observed and average summer temperatures for the area. There was some dry conditions experienced and supplemental irrigation was used. All standard orchard practice and maintenance was used for the length of the trial and will continue. |
| <b>Trial Design</b>                   | 10 trees of the candidate variety were planted at a spacing of 2.5 metres between trees and 5 metres between tree rows. The comparator was also planted on the same tree number and spacings.  |
| <b>Measurements</b>                   | During the growing cycle observations were made of the tree, flower and fruit of the candidate variety and compared to the description supplied in the US PP no 16,585. In an instance the characteristics were similar or identical.  |
| <b>RHS Chart - edition</b>            | N/A  |

**Origin and Breeding**

Controlled pollination: The new variety was hybridised by Glen Bradford in 1996. It was developed as a first generation cross using 'Bright Pearl' white fleshed nectarine as the selected seed parent and 'Spring Bright' yellow fleshed nectarine as the selected pollen parent. A single tree from the stated cross was selected as the new variety. Subsequent to the origination of the new variety is asexually reproduced through budding and grafting and all such reproduction of plant and fruit characteristics were true to the original in all respects. Breeder: Lowell G. Bradford, California, Le Grand, USA.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>         | <b>State of Expression in Group of Varieties</b> |
|-------------------------|------------------------|--|
| Fruit                   | ground colour of flash | yellow   |
| Fruit                   | flavour                | sub-acid   |
| Fruit                   | maturity               | early/medium                                     |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| Name            | Comments  |
|-----------------|---|
| 'Spring Bright' | yellow fleshed nectarine that is the selected pollen parent   |
| 'Bright Pearl'  | Sub-acid flavoured nectarine that is the selected seed parent |
| 'Kay Sweet'     | early maturing, yellow fleshed, sub-acid flavoured nectarine  |
| 'Kay Pearl'     | sub-acid flavour, early/medium maturing nectarine             |
| 'Red Bright'    | yellow fleshed, early/medium maturing nectarine               |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety         | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments   |
|-----------------|--------------------------------|--|---|--|
| 'Spring Bright' | Fruit flavour                  | sub-acid                                 | acid                                      | 'Spring Bright' is excluded because of difference in flavour           |
| 'Bright Pearl'  | Fruit flesh Colour             | yellow                                   | white                                     | 'Bright Pearl' nectarine is excluded because of different flesh colour |
| 'Kay Pearl'     | Fruit flesh Colour             | yellow                                   | white                                     | 'Kay Pearl' nectarine is excluded because of different flesh colour    |
| 'Red Bright'    | Fruit flavour                  | sub-acid                                 | acid                                      | 'Red Bright' is excluded because of different flavour                  |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context   | 'Sugarine 1'     | 'Kay Sweet'           |
|---|------------------|-----------------------|
| <input type="checkbox"/> *Tree: size  | medium           | medium                |
| <input type="checkbox"/> Tree: vigour   | medium           | medium to strong      |
| <input type="checkbox"/> *Tree: habit   | spreading        | spreading to drooping |
| <input type="checkbox"/> Flowering shoot: thickness                             | medium           | medium                |
| <input type="checkbox"/> Flowering shoot: length of internodes                  | medium           | medium                |
| <input type="checkbox"/> *Flowering shoot: anthocyanin colouration              | present          | present               |
| <input type="checkbox"/> *Flowering shoot: intensity of anthocyanin colouration | medium to strong | medium                |

|                                     |  |                  |                           |
|-------------------------------------|--|------------------|---------------------------|
| <input checked="" type="checkbox"/> | *Flowering shoot: density of flower buds             | medium           | dense                     |
| <input type="checkbox"/>            | Flowering shoot: general distribution of flower buds | isolated         | isolated                  |
| <input type="checkbox"/>            | *Flower: type  | showy            | showy                     |
| <input type="checkbox"/>            | *Calyx: colour of inner side                         | orange           | orange                    |
| <input type="checkbox"/>            | *Corolla: predominant colour                         | medium pink      | medium pink               |
| <input type="checkbox"/>            | *Petal: shape  | round            | round                     |
| <input type="checkbox"/>            | *Petal: size   | large            | large                     |
| <input type="checkbox"/>            | *Petals: number                                      | five             | five                      |
| <input type="checkbox"/>            | Stamens: position                                    | same level       | same level                |
| <input type="checkbox"/>            | *Stigma: position                                    | same level       | same level                |
| <input type="checkbox"/>            | *Anthers: pollen                                     | present          | present                   |
| <input type="checkbox"/>            | *Ovary: pubescence                                   | absent           | absent                    |
| <input type="checkbox"/>            | Young shoot: length of stipule                       | medium           | medium                    |
| <input type="checkbox"/>            | *Leaf blade: length                                  | medium           | medium to long            |
| <input type="checkbox"/>            | *Leaf blade: width                                   | medium           | medium                    |
| <input type="checkbox"/>            | *Leaf blade: ratio                                   | medium           | medium                    |
| <input type="checkbox"/>            | Leaf blade: shape in cross section                   | convex           | convex                    |
| <input type="checkbox"/>            | Leaf blade: recurvature of apex                      | present          | present                   |
| <input type="checkbox"/>            | Leaf blade: angle at base                            | acute            | approximately right angle |
| <input type="checkbox"/>            | Leaf blade: angle at apex                            | small to medium  | small                     |
| <input type="checkbox"/>            | Leaf blade: colour                                   | green            | green                     |
| <input type="checkbox"/>            | Petiole: length                                      | medium           | medium                    |
| <input type="checkbox"/>            | *Petiole: nectaries                                  | present          | present                   |
| <input checked="" type="checkbox"/> | *Petiole: shape of nectaries                         | round            | reniform                  |
| <input type="checkbox"/>            | Petiole: predominant number of nectaries             | more than two    | more than two             |
| <input type="checkbox"/>            | *Fruit: size   | large            | medium to large           |
| <input type="checkbox"/>            | *Fruit: shape  | round            | round                     |
| <input type="checkbox"/>            | *Fruit: shape of pistil end                          | weakly depressed | weakly depressed          |
| <input type="checkbox"/>            | Fruit: symmetry                                      | symmetric        | symmetric                 |
| <input type="checkbox"/>            | Fruit: prominence of suture                          | medium to strong | medium                    |
| <input type="checkbox"/>            | Fruit: depth of stalk cavity                         | medium           | medium                    |

|                                     |   |                                 |                                 |
|-------------------------------------|---|---------------------------------|---------------------------------|
| <input type="checkbox"/>            | Fruit: width of stalk cavity                        | medium                          | medium                          |
| <input type="checkbox"/>            | *Fruit: ground colour                               | orange yellow                   | orange yellow                   |
| <input type="checkbox"/>            | Fruit: over colour                                  | present                         | present                         |
| <input type="checkbox"/>            | Fruit: hue of over colour                           | dark red                        | dark red                        |
| <input type="checkbox"/>            | *Fruit: pattern of over colour                      | solid flush                     | solid flush                     |
| <input type="checkbox"/>            | *Fruit: extent of over colour                       | very large                      | very large                      |
| <input type="checkbox"/>            | *Fruit: pubescence                                  | absent                          | absent                          |
| <input type="checkbox"/>            | Fruit: thickness of skin                            | thin                            | thin to medium                  |
| <input type="checkbox"/>            | Fruit: adherence of skin to flesh                   | strong                          | strong                          |
| <input type="checkbox"/>            | *Fruit: firmness of flesh                           | firm to very firm               | firm                            |
| <input type="checkbox"/>            | *Fruit: ground colour of flesh                      | yellow                          | yellow                          |
| <input type="checkbox"/>            | *Fruit: anthocyanin colouration directly under skin | absent or very weakly expressed | absent or very weakly expressed |
| <input type="checkbox"/>            | *Fruit: anthocyanin colouration of flesh            | absent or very weakly expressed | absent or very weakly expressed |
| <input type="checkbox"/>            | *Fruit: anthocyanin colouration around stone        | absent or very weakly expressed | absent or very weakly expressed |
| <input type="checkbox"/>            | Fruit: texture of the flesh                         | not fibrous                     | not fibrous                     |
| <input type="checkbox"/>            | Fruit: sweetness                                    | very high                       | high                            |
| <input type="checkbox"/>            | Fruit: acidity                                      | low                             | low                             |
| <input type="checkbox"/>            | *Stone: size compared to fruit                      | medium                          | medium                          |
| <input type="checkbox"/>            | *Stone: shape                                       | elliptic                        | elliptic                        |
| <input type="checkbox"/>            | Stone: intensity of brown colour                    | medium                          | medium                          |
| <input type="checkbox"/>            | Stone: relief of surface                            | pits and grooves                | pits and grooves                |
| <input type="checkbox"/>            | Stone: tendency of splitting                        | absent or very low              | very low to low                 |
| <input type="checkbox"/>            | *Stone: adherence to flesh                          | present                         | present                         |
| <input type="checkbox"/>            | Stone: degree of adherence to flesh                 | strong to very strong           | strong                          |
| <input checked="" type="checkbox"/> | Time of: leaf bud burst                             | medium                          | early                           |
| <input checked="" type="checkbox"/> | *Time of: beginning of flowering                    | medium                          | early                           |
| <input type="checkbox"/>            | *Duration of: flowering                             | short to medium                 | short                           |
| <input type="checkbox"/>            | *Time of: maturity                                  | early to medium                 | early                           |
| <input type="checkbox"/>            | Tendency to: preharvest drop                        | absent or very weak             | absent or very weak             |

**Prior Applications and Sales**

| <b>Country</b> | <b>Year</b> | <b>Current Status</b> | <b>Name Applied</b> |
|----------------|-------------|-----------------------|---------------------|
| USA            | 2005        | Granted               | 'Sugarine 1'        |

First sold in the USA in Jan 2006

Description: **Peter Buchanan**, Hodgson vale, QLD

**Details of Application**

|                           |                                   |
|---------------------------|-----------------------------------|
| <b>Application Number</b> | 2010/013                          |
| <b>Variety Name</b>       | 'Neptune'                         |
| <b>Genus Species</b>      | <i>Solanum tuberosum</i>          |
| <b>Common Name</b>        | Potato                            |
| <b>Synonym</b>            | Nil                               |
| <b>Accepted Date</b>      | 04 Jun 2010                       |
| <b>Applicant</b>          | HZPC Holland B.V. The Netherlands |
| <b>Agent</b>              | Harvest Moon Pty Ltd, Forth, TAS  |
| <b>Qualified Person</b>   | Kevin Clayton-Greene              |

**Details of Comparative Trial**

|                     |   |
|---------------------|---|
| <b>Location</b>     | Waikerie, SA  |
| <b>Descriptor</b>   | Potato( <i>Solanum tuberosum</i> ) TG/23/6  |
| <b>Period</b>       | Feb-May 2012  |
| <b>Conditions</b>   | Plantlets ex-Genetic Resources Centre raised from tissue cultures and planted into potting mix in 200mm diameter plastic pots in late Feb 2011. Pots placed on benches in a screened polythene clad greenhouse to maintain freedom from insect vectors and viruses.   |
| <b>Trial Design</b> | Randomised complete block design. Three replicates of 20 plants per variety   |
| <b>Measurements</b> | Observations of plant and foliage characteristics were taken on 24 <sup>th</sup> April 2011. Day length conditions were not suitable for flower initiation and flower characteristics are taken from published UPOV descriptions. Tuber characteristics were recorded in May 2012. Light sprout data was sourced from UPOV description in August 2012 |

**Origin and Breeding**

Controlled pollination: 'Aziza' x 'Victoria' in 1997 at HZPC R & D facilities, Metslawier, The Netherlands. Selections were carried out for 10 years and trials in different countries for agronomic characteristics, quality and disease resistance for 14 years. The variety has been maintained in the present form for 16 years. The seed parent is characterised by very late maturity and round oval tuber shape. The pollen parent is characterised by yellow flesh colour and medium early maturity.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>    | <b>State of Expression in Group of Varieties</b> |
|-------------------------|-------------------|--|
| Tuber                   | flesh colour      | light yellow-medium yellow                       |
| Tuber                   | shape             | oval -long oval                                  |
| Tuber skin              | colour            | yellow   |
| Lightsprout             | pubescence of tip | medium to strong                                 |



**Most Similar Varieties of Common Knowledge identified (VCK)**

| Name     | Comments |
|----------|----------|
| 'Bintje' |          |
| 'Nicola' |          |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context   | 'Neptune'            | 'Bintje'            | 'Nicola'             |
|---|----------------------|---------------------|----------------------|
| <input type="checkbox"/> Lightsprout: size  | large                | medium to large     | medium to large      |
| <input checked="" type="checkbox"/> *Lightsprout: shape   | spherical            | conical             | conical              |
| <input checked="" type="checkbox"/> *Lightsprout: intensity of anthocyanin colouration                  | very weak to weak    | medium to strong    | medium               |
| <input checked="" type="checkbox"/> *Lightsprout: proportion of blue in anthocyanin colouration of base | absent or low        | medium              | absent or low        |
| <input type="checkbox"/> *Lightsprout: pubescence of base   | medium to strong     | medium to strong    | strong               |
| <input type="checkbox"/> Lightsprout: size of tip in relation to base                                   | medium               | small to medium     | medium               |
| <input type="checkbox"/> Lightsprout: habit of tip  | intermediate         | closed              | intermediate to open |
| <input checked="" type="checkbox"/> Lightsprout: anthocyanin colouration of tip                         | very weak to weak    | medium              | medium               |
| <input type="checkbox"/> Lightsprout: pubescence of tip   | medium to strong     | medium to strong    | medium               |
| <input type="checkbox"/> *Lightsprout: number of root tips  | medium               | medium              | many                 |
| <input checked="" type="checkbox"/> Lightsprout: length of lateral shoots                               | medium to long       | short to medium     | short                |
| <input type="checkbox"/> Plant: foliage structure   | intermediate type    | stem type           | intermediate type    |
| <input type="checkbox"/> *Plant: growth habit   | semi-upright         | semi-upright        | semi-upright         |
| <input type="checkbox"/> *Stem: anthocyanin colouration   | very weak to weak    | very weak to weak   | absent or very weak  |
| <input type="checkbox"/> Leaf: outline size   | medium               | medium              | medium to large      |
| <input type="checkbox"/> Leaf: openness   | intermediate to open | intermediate        | intermediate to open |
| <input type="checkbox"/> Leaf: presence of secondary leaflets   | medium to strong     | medium to strong    | strong               |
| <input type="checkbox"/> Leaf: green colour   | medium to dark       | medium              | dark                 |
| <input type="checkbox"/> Leaf: anthocyanin colouration on midrib of upper side                          | absent or very weak  | absent or very weak | absent or very weak  |
| <input type="checkbox"/> Second pair of lateral leaflets: size  | medium               | medium              | medium               |
| <input type="checkbox"/> Terminal and lateral leaflets: frequency of coalescence                        | absent or very low   | absent or very low  | absent or very low   |

|                                     |   |                     |                     |                        |
|-------------------------------------|---|---------------------|---------------------|------------------------|
| <input type="checkbox"/>            | Plant: height   | medium to tall      | tall                | medium                 |
| <input type="checkbox"/>            | *Plant: time of maturity  | medium              | medium              | medium                 |
| <input checked="" type="checkbox"/> | *Tuber: shape   | long-oval           | long-oval           | oval                   |
| <input type="checkbox"/>            | Tuber: depth of eyes  | shallow             | shallow             | shallow                |
| <input type="checkbox"/>            | *Tuber: colour of skin  | yellow              | yellow              | yellow                 |
| <input type="checkbox"/>            | *Tuber: colour of base of eye   | yellow              | yellow              | yellow                 |
| <input type="checkbox"/>            | *Tuber: colour of flesh   | light yellow        | light yellow        | medium<br>yellow       |
| <input type="checkbox"/>            | Tuber: anthocyanin colouration of skin in reaction to light (light beige and yellow skinned varieties only) | absent or very weak | absent or very weak | absent or very<br>weak |

### **Prior Applications and Sales**

| <b>Country</b>  | <b>Year</b> | <b>Current Status</b> | <b>Name Applied</b> |
|-----------------|-------------|-----------------------|---------------------|
| The Netherlands | 2004        | Granted               | 'Challenger'        |
| European Union  | 2006        | Granted               | 'Challenger'        |
| Argentina       | 2008        | Pending               | 'Challenger'        |
| South Africa    | 2009        | Pending               | 'Challenger'        |
| Switzerland     | 2008        | Granted               | 'Challenger'        |

First sold in The Netherlands in April 2007.

Description: **Kevin Clayton-Greene**, Forth, TAS.

**Details of Application**

|                           |                                    |
|---------------------------|------------------------------------|
| <b>Application Number</b> | 2010/015                           |
| <b>Variety Name</b>       | 'Laurene'                          |
| <b>Genus Species</b>      | <i>Solanum tuberosum</i>           |
| <b>Common Name</b>        | Potato                             |
| <b>Synonym</b>            | Nil                                |
| <b>Accepted Date</b>      | 04 Jun 2010                        |
| <b>Applicant</b>          | HZPC Holland B.V., The Netherlands |
| <b>Agent</b>              | Harvest Moon Pty Ltd, Forth, TAS   |
| <b>Qualified Person</b>   | Kevin Clayton-Greene               |

**Details of Comparative Trial**

|                     |   |
|---------------------|---|
| <b>Location</b>     | Waikerie, SA  |
| <b>Descriptor</b>   | Potato( <i>Solanum tuberosum</i> ) TG/23/6  |
| <b>Period</b>       | Feb-May 2011  |
| <b>Conditions</b>   | Plantlets ex-Genetic Resources Centre raised from tissue cultures and planted into potting mix in 200mm diameter plastic pots in late Feb 2011. Pots placed on benches in a screened polythene clad greenhouse to maintain freedom from insect vectors and viruses.   |
| <b>Trial Design</b> | Randomised complete block design. Three replicates of 20 plants per variety   |
| <b>Measurements</b> | Observations of plant and foliage characteristics were taken on 24 <sup>th</sup> April 2011. Day length conditions were not suitable for flower initiation and flower characteristics are taken from published UPOV descriptions. Tuber characteristics were recorded in May 2012. Light sprout data was sourced from UPOV description in August 2012 |

**Origin and Breeding**

Controlled pollination: 'Vivaldi' x 'RZ 84-2521' in 1994 at HZPC R & D facilities, Metslawier, The Netherlands. Selections were carried out for more than 10 years and trials in different countries for agronomic characteristics, quality and disease resistance for 16 years. The variety has been maintained in the present form for 14 years. The seed parent is characterised by early maturity, tubers with very smooth skin. The pollen parent is characterised by very early maturity with medium dormancy and medium dry matter content.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>           | <b>State of Expression in Group of Varieties</b> |
|-------------------------|--------------------------|--|
| Lightsprout             | habit of tip             | closed   |
| Lightsprout             | length of lateral shoots | short  |
| Plant                   | foliage structure        | intermediate                                     |
| Tuber                   | colour of skin           | yellow   |
| Tuber                   | anthocyanin of skin      | absent or very weak                              |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b> | <b>Comments</b> |
|-------------|-----------------|
| 'Almera'    |                 |
| 'Carrera'   |                 |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety    | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments |
|------------|--------------------------------|--|---|----------|
| 'Monalisa' | Plant maturity                 | medium to late                           | early                                     |          |
| 'Monalisa' | Plant frequency of flowers     | low                                      | high                                      |          |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context   | 'Laurene'               | 'Almera'            | 'Carrera'           |
|---|-------------------------|---------------------|---------------------|
| <input checked="" type="checkbox"/> Lightsprout: size   | small to medium         | medium              | large               |
| <input checked="" type="checkbox"/> *Lightsprout: shape   | ovoid                   | conical             | conical             |
| <input checked="" type="checkbox"/> *Lightsprout: intensity of anthocyanin colouration                  | weak to medium          | medium              | strong              |
| <input checked="" type="checkbox"/> *Lightsprout: proportion of blue in anthocyanin colouration of base | absent or low           | absent or low       | medium              |
| <input type="checkbox"/> *Lightsprout: pubescence of base   | strong                  | strong              | medium to strong    |
| <input type="checkbox"/> Lightsprout: size of tip in relation to base                                   | small                   | small               | small               |
| <input type="checkbox"/> Lightsprout: habit of tip  | closed                  | closed              | closed              |
| <input type="checkbox"/> Lightsprout: anthocyanin colouration of tip                                    | absent or very weak     | weak                | absent or very weak |
| <input checked="" type="checkbox"/> Lightsprout: pubescence of tip                                      | very weak to weak       | weak                | medium to strong    |
| <input checked="" type="checkbox"/> *Lightsprout: number of root tips                                   | many                    | medium              | few                 |
| <input type="checkbox"/> Lightsprout: length of lateral shoots  | short                   | short               | short               |
| <input type="checkbox"/> Plant: foliage structure   | intermediate type       | intermediate type   | intermediate type   |
| <input type="checkbox"/> *Plant: growth habit   | upright to semi-upright | semi-upright        | semi-upright        |
| <input type="checkbox"/> *Stem: anthocyanin colouration   | weak                    | absent or very weak | absent or very weak |
| <input type="checkbox"/> Leaf: outline size   | medium                  | medium              | medium              |
| <input type="checkbox"/> Leaf: openness   | intermediate to open    | open                | open                |
| <input checked="" type="checkbox"/> Leaf: presence of secondary leaflets                                | weak to medium          | medium to strong    | medium              |
| <input type="checkbox"/> Leaf: green colour   | medium                  | medium              | medium              |
| <input type="checkbox"/> Leaf: anthocyanin colouration on midrib of upper side                          | absent or very weak     | absent or very weak | absent or very weak |
| <input type="checkbox"/> Second pair of lateral leaflets: size  | medium                  | medium              | medium              |
| <input type="checkbox"/> Second pair of lateral leaflets: width in relation to length                   | medium                  | narrow to medium    | medium              |

|                          |   |                     |                     |                     |
|--------------------------|---|---------------------|---------------------|---------------------|
| <input type="checkbox"/> | Terminal and lateral leaflets: frequency of coalescence   | absent or very low  | absent or very low  | absent or very low  |
| <input type="checkbox"/> | Plant: height   | medium              | short to medium     | medium              |
| <input type="checkbox"/> | *Plant: time of maturity  | medium to late      | early to medium     | early               |
| <input type="checkbox"/> | *Tuber: shape   | long-oval           | oval                | oval                |
| <input type="checkbox"/> | Tuber: depth of eyes  | shallow             | shallow to medium   | shallow             |
| <input type="checkbox"/> | *Tuber: colour of skin  | yellow              | yellow              | yellow              |
| <input type="checkbox"/> | *Tuber: colour of base of eye   | yellow              | yellow              | yellow              |
| <input type="checkbox"/> | *Tuber: colour of flesh   | medium yellow       | light yellow        | medium yellow       |
| <input type="checkbox"/> | Tuber: anthocyanin colouration of skin in reaction to light (light beige and yellow skinned varieties only) | absent or very weak | absent or very weak | absent or very weak |

### **Prior Applications and Sales**

| <b>Country</b>  | <b>Year</b> | <b>Current Status</b> | <b>Name Applied</b> |
|-----------------|-------------|-----------------------|---------------------|
| The Netherlands | 2004        | Withdrawn             | 'Laurene'           |
| European Union  | 2006        | Withdrawn             | 'Laurene'           |

First sold in The Netherlands in Apr 2006.

Description: **Kevin Clayton-Green**, Forth, TAS.

**Details of Application**

|                           |                                   |
|---------------------------|-----------------------------------|
| <b>Application Number</b> | 2010/014                          |
| <b>Variety Name</b>       | 'Marilyn'                         |
| <b>Genus Species</b>      | <i>Solanum tuberosum</i>          |
| <b>Common Name</b>        | Potato                            |
| <b>Synonym</b>            | Nil                               |
| <b>Accepted Date</b>      | 04 Jun 2010                       |
| <b>Applicant</b>          | HZPC Holland B.V. The Netherlands |
| <b>Agent</b>              | Harvest Moon Pty Ltd, Forth, TAS  |
| <b>Qualified Person</b>   | Kevin Clayton-Greene              |

**Details of Comparative Trial**

|                     |   |
|---------------------|---|
| <b>Location</b>     | Waikerie, SA  |
| <b>Descriptor</b>   | Potato( <i>Solanum tuberosum</i> ) TG/23/6  |
| <b>Period</b>       | Feb-May 2011  |
| <b>Conditions</b>   | Plantlets ex-Genetic Resources Centre raised from tissue cultures and planted into potting mix in 200mm diameter plastic pots in late Feb 2011. Pots placed on benches in a screened polythene clad greenhouse to maintain freedom from insect vectors and viruses.   |
| <b>Trial Design</b> | Randomised complete block design. Three replicates of 20 plants per variety   |
| <b>Measurements</b> | Observations of plant and foliage characteristics were taken on 24 <sup>th</sup> April 2011. Day length conditions were not suitable for flower initiation and flower characteristics are taken from published UPOV descriptions. Tuber characteristics were recorded in May 2012. Light sprout data was sourced from UPOV description in August 2012 |

**Origin and Breeding**

Controlled pollination: 'Nicola' x 'Pomfine' in 1994 at HZPC R & D facilities, Metslawier, The Netherlands. Selections were carried out for 10 years and trials in different countries for agronomic characteristics, quality and disease resistance for 18 years. The variety has been maintained in the present form for 18 years. The seed parent is characterised by medium late maturity, long oval tubers with yellow flesh colour. The pollen parent is characterised by early maturity, oval tubers and susceptible to scab disease.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>   | <b>State of Expression in Group of Varieties</b> |
|-------------------------|------------------|--|
| Plant                   | growth habit     | semi upright                                     |
| Plant                   | time of maturity | medium   |
| Tuber                   | flesh colour     | light to medium yellow                           |
| Tuber                   | shape            | oval to long oval                                |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b> | <b>Comments</b> |
|-------------|-----------------|
| 'Charlotte' |                 |
| 'Nicola'    |                 |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety    | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments            |
|------------|--------------------------------|--|---|---------------------|
| 'Anabelle' | Tuber                          | flesh colour                             | light yellow                              | yellow              |
| 'Anabelle' | Plant                          | frequency of flowers                     | medium                                    | absent or very weak |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context  | 'Marilyn'                 | 'Charlotte'         | 'Nicola'             |
|--|---------------------------|---------------------|----------------------|
| <input type="checkbox"/> Lightsprout: size   | small to medium           | medium to large'    | medium to large      |
| <input checked="" type="checkbox"/> *Lightsprout: shape                                      | conical                   | ovoid               | conical              |
| <input checked="" type="checkbox"/> *Lightsprout: intensity of anthocyanin colouration       | medium to strong          | weak to medium      | medium               |
| <input type="checkbox"/> *Lightsprout: proportion of blue in anthocyanin colouration of base | absent or low             | absent or low       | absent or low        |
| <input type="checkbox"/> *Lightsprout: pubescence of base                                    | strong                    | strong              | strong               |
| <input type="checkbox"/> Lightsprout: size of tip in relation to base                        | medium                    | medium              | medium               |
| <input type="checkbox"/> Lightsprout: habit of tip   | intermediate to open      | intermediate        | intermediate to open |
| <input checked="" type="checkbox"/> Lightsprout: anthocyanin colouration of tip              | weak                      | absent or very weak | medium               |
| <input type="checkbox"/> Lightsprout: pubescence of tip                                      | medium                    | weak to medium      | medium               |
| <input checked="" type="checkbox"/> *Lightsprout: number of root tips                        | medium                    | very few to few     | medium               |
| <input type="checkbox"/> Lightsprout: length of lateral shoots                               | short                     | short               | short                |
| <input type="checkbox"/> Plant: foliage structure  | leaf type                 | leaf type           | intermediate type    |
| <input type="checkbox"/> *Plant: growth habit  | semi-upright to spreading | semi-upright        | semi-upright         |
| <input type="checkbox"/> *Stem: anthocyanin colouration                                      | absent or very weak       | absent or very weak | absent or very weak  |
| <input type="checkbox"/> Leaf: outline size  | medium to large           | medium              | medium to large      |
| <input checked="" type="checkbox"/> Leaf: openness   | closed to intermediate    | closed              | intermediate to open |
| <input type="checkbox"/> Leaf: green colour  | medium to dark            | light to medium     | dark                 |
| <input type="checkbox"/> Leaf: anthocyanin colouration on midrib of upper side               | absent or very weak       | very weak to weak   | absent or very weak  |
| <input checked="" type="checkbox"/> Second pair of lateral leaflets: size                    | small                     | medium to large     | medium               |
| <input type="checkbox"/> Second pair of lateral leaflets: width in relation to length        | medium                    | medium              | medium               |
| <input checked="" type="checkbox"/> Terminal and lateral leaflets: frequency of              | low                       | high                | absent or very       |

|   |                     |                   |  |                     |
|---|---------------------|-------------------|--|---------------------|
| coalescence   |                     |                   |  | low                 |
| <input type="checkbox"/> Leaflet: waviness of margin  | absent or very weak | weak              |  | absent or very weak |
| <input type="checkbox"/> Leaflet: depth of veins  | medium              | medium            |  | medium              |
| <input type="checkbox"/> Leaflet: glossiness of the upperside   | dull to medium      | dull              |  | medium to glossy    |
| <input type="checkbox"/> Plant: height  | medium to tall      | tall              |  | medium              |
| <input type="checkbox"/> *Plant: time of maturity   | early to medium     | early to medium   |  | medium              |
| <input checked="" type="checkbox"/> *Tuber: shape   | long                | long              |  | long-oval           |
| <input type="checkbox"/> Tuber: depth of eyes   | shallow to medium   | shallow to medium |  | shallow             |
| <input type="checkbox"/> *Tuber: colour of skin   | yellow              | yellow            |  | yellow              |
| <input type="checkbox"/> *Tuber: colour of base of eye  | yellow              | yellow            |  | yellow              |
| <input type="checkbox"/> *Tuber: colour of flesh  | light yellow        | light yellow      |  | medium yellow       |
| <input checked="" type="checkbox"/> Tuber: anthocyanin colouration of skin in reaction to light (light beige and yellow skinned varieties only) | absent or very weak | medium            |  | absent or very weak |

### **Prior Applications and Sales**

| <b>Country</b>  | <b>Year</b> | <b>Current Status</b> | <b>Name Applied</b> |
|-----------------|-------------|-----------------------|---------------------|
| The Netherlands | 2003        | Granted               | 'Marilyn'           |
| European Union  | 2006        | Granted               | 'Marilyn'           |
| Canada          | 2009        | Pending               | 'Marilyn'           |
| USA             | 2009        | Pending               | 'Marilyn'           |
| Switzerland     | 2008        | Granted               | 'Marilyn'           |

First sold in the Netherlands, April 2006.

Description: **Kevin Clayton-Greene**, Forth, TAS.



**Details of Application**

|                           |   |
|---------------------------|---|
| <b>Application Number</b> | 2010/020  |
| <b>Variety Name</b>       | 'Sifra'   |
| <b>Genus Species</b>      | <i>Solanum tuberosum</i>                              |
| <b>Common Name</b>        | Potato  |
| <b>Synonym</b>            | Sienna  |
| <b>Accepted Date</b>      | 04 Jun 2010   |
| <b>Applicant</b>          | HZPC Holland B.V. and C.J. Biemond, The Netherlands   |
| <b>Agent</b>              | Harvest Moon, Forth Farm Produce Pty. Ltd, Forth, TAS |
| <b>Qualified Person</b>   | Kevin Clayton-Greene                                  |

**Details of Comparative Trial**

|                     |   |
|---------------------|---|
| <b>Location</b>     | Waikerie, SA  |
| <b>Descriptor</b>   | Potato( <i>Solanum tuberosum</i> ) TG/23/6  |
| <b>Period</b>       | Feb-May 2011  |
| <b>Conditions</b>   | Plantlets ex-Genetic Resources Centre raised from tissue cultures and planted into potting mix in 200mm diameter plastic pots in late Feb 2011. Pots placed on benches in a screened polythene clad greenhouse to maintain freedom from insect vectors and viruses.   |
| <b>Trial Design</b> | Randomised complete block design. Three replicates of 20 plants per variety   |
| <b>Measurements</b> | Observations of plant and foliage characteristics were taken on 24 <sup>th</sup> April 2011. Day length conditions were not suitable for flower initiation and flower characteristics are taken from published UPOV descriptions. Tuber characteristics were recorded in May 2012. Light sprout data was sourced from UPOV description in August 2012 |

**Origin and Breeding**

Controlled pollination: 'Mondial' x 'Robinta' in 1995 at HZPC R & D facilities, Metslawier, The Netherlands. Selections were carried out for more than 10 years and trials in different countries for agronomic characteristics, quality and disease resistance for 15 years. The variety has been maintained in the present form for 14 years. The seed parent is characterised by long oval tuber shape and light cream flesh colour. The pollen parent is characterised by red skin colour, light yellow flesh colour and very shallow eyes.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b>       | <b>Context</b>                                       | <b>State of Expression in Group of Varieties</b> |
|-------------------------------|--|--|
| Lightsprout                   | proportion of blue in anthocyanin coloration of base | absent or low                                    |
| Lightsprout                   | length of lateral shoots                             | short  |
| Plant                         | foliage structure                                    | intermediate type                                |
| Terminal and lateral leaflets | frequency of coalescence                             | absent or very low                               |
| Tuber                         | shape  | short-oval                                       |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| Name         | Comments |
|--------------|----------|
| 'Sebago'     |          |
| 'White Star' |          |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety    | Distinguishing Characteristics | State of Expression in Candidate | State of Expression in Comparator Variety | Comments |
|------------|--------------------------------|----------------------------------|---|----------|
| 'Kennebec' | Tuber flesh colour             | creme                            | white                                     |          |
| 'Kennebec' | Tuber size                     | medium                           | large                                     |          |
| 'Frisia'   | Plant maturity                 | medium to late                   | medium early                              |          |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context  | 'Sifra'                 | 'Sebago'            | 'White Star'           |
|--|-------------------------|---------------------|------------------------|
| <input type="checkbox"/> Lightsprout: size   | medium to large         | small to medium     | small to medium        |
| <input checked="" type="checkbox"/> *Lightsprout: shape                                      | broad cylindrical       | ovoid               | ovoid                  |
| <input checked="" type="checkbox"/> *Lightsprout: intensity of anthocyanin colouration       | medium                  | very weak to weak   | very weak to weak      |
| <input type="checkbox"/> *Lightsprout: proportion of blue in anthocyanin colouration of base | absent or low           | absent or low       | absent or low          |
| <input type="checkbox"/> *Lightsprout: pubescence of base                                    | medium                  | very weak to weak   | very weak to weak      |
| <input type="checkbox"/> Lightsprout: size of tip in relation to base                        | small                   | small to medium     | small                  |
| <input type="checkbox"/> Lightsprout: habit of tip   | closed to intermediate  | closed              | closed                 |
| <input type="checkbox"/> Lightsprout: anthocyanin colouration of tip                         | weak                    | very weak to weak   | very weak to weak      |
| <input type="checkbox"/> Lightsprout: pubescence of tip                                      | weak                    | very weak to weak   | very weak to weak      |
| <input type="checkbox"/> *Lightsprout: number of root tips                                   | few to medium           | medium to many      | few to medium          |
| <input type="checkbox"/> Lightsprout: length of lateral shoots                               | short                   | short- medium       | short                  |
| <input type="checkbox"/> Plant: foliage structure  | intermediate type       | intermediate type   | intermediate type      |
| <input type="checkbox"/> *Plant: growth habit  | upright to semi-upright | semi-upright        | semi-upright           |
| <input checked="" type="checkbox"/> *Stem: anthocyanin colouration                           | weak to medium          | absent or very weak | medium to strong       |
| <input checked="" type="checkbox"/> Leaf: outline size                                       | medium                  | small to medium     | large                  |
| <input type="checkbox"/> Leaf: openness  | closed to intermediate  | intermediate        | closed to intermediate |
| <input type="checkbox"/> Leaf: presence of secondary leaflets                                | medium to strong        | medium              | medium to strong       |
| <input type="checkbox"/> Leaf: green colour  | medium to dark          | medium              | light                  |
| <input checked="" type="checkbox"/> Leaf: anthocyanin colouration on midrib of upper side    | absent or very weak     | absent or very weak | medium                 |

|                          |   |                     |                    |                     |
|--------------------------|---|---------------------|--------------------|---------------------|
| <input type="checkbox"/> | Second pair of lateral leaflets: width in relation to length  | medium to broad     | narrow to medium   | medium to broad     |
| <input type="checkbox"/> | Terminal and lateral leaflets: frequency of coalescence   | absent or very low  | absent or very low | absent or very low  |
| <input type="checkbox"/> | Plant: height   | medium to tall      | short to medium    | tall                |
| <input type="checkbox"/> | *Plant: time of maturity  | medium to late      | medium             | medium              |
| <input type="checkbox"/> | *Tuber: shape   | short-oval          | short-oval         | short-oval          |
| <input type="checkbox"/> | Tuber: depth of eyes  | shallow to medium   | medium to deep     | shallow             |
| <input type="checkbox"/> | *Tuber: colour of skin  | cream               | light beige        | light beige         |
| <input type="checkbox"/> | *Tuber: colour of base of eye   | cream               | white              | white               |
| <input type="checkbox"/> | *Tuber: colour of flesh   | cream               | white              | white               |
| <input type="checkbox"/> | Tuber: anthocyanin colouration of skin in reaction to light (light beige and yellow skinned varieties only) | absent or very weak | medium             | absent or very weak |

#### **Prior Applications and Sales**

| <b>Country</b>  | <b>Year</b> | <b>Current Status</b> | <b>Name Applied</b> |
|-----------------|-------------|-----------------------|---------------------|
| The Netherlands | 2005        | Granted               | 'Sifra'             |
| European Union  | 2007        | Granted               | 'Sifra'             |
| Canada          | 2008        | Pending               | 'Sifra'             |
| Turkey          | 2010        | Pending               | 'Sifra'             |
| South Africa    | 2009        | Pending               | 'Sifra'             |

First sold in The Netherlands in Apr 2007.

Description: **Kevin Clayton-Green**, Forth, TAS.

**Details of Application**

|                           |                                    |
|---------------------------|------------------------------------|
| <b>Application Number</b> | 2010/018                           |
| <b>Variety Name</b>       | 'Crisp4all'                        |
| <b>Genus Species</b>      | <i>Solanum tuberosum</i>           |
| <b>Common Name</b>        | Potato                             |
| <b>Synonym</b>            | Nil                                |
| <b>Accepted Date</b>      | 04 Jun 2010                        |
| <b>Applicant</b>          | HZPC Holland B.V., The Netherlands |
| <b>Agent</b>              | Harvest Moon Pty Ltd, Forth, TAS.  |
| <b>Qualified Person</b>   | Kevin Clayton-Greene               |

**Details of Comparative Trial**

|                     |   |
|---------------------|---|
| <b>Location</b>     | Waikerie, SA  |
| <b>Descriptor</b>   | Potato( <i>Solanum tuberosum</i> ) TG/23/6  |
| <b>Period</b>       | Feb-May 2011  |
| <b>Conditions</b>   | Plantlets ex-Genetic Resources Centre raised from tissue cultures and planted into potting mix in 200mm diameter plastic pots in late Feb 2011. Pots placed on benches in a screened polythene clad greenhouse to maintain freedom from insect vectors and viruses.   |
| <b>Trial Design</b> | Randomised complete block design. Three replicates of 20 plants per variety   |
| <b>Measurements</b> | Observations of plant and foliage characteristics were taken on 24 <sup>th</sup> April 2011. Day length conditions were not suitable for flower initiation and flower characteristics are taken from published UPOV descriptions. Tuber characteristics were recorded in May 2012. Light sprout data was sourced from UPOV description in August 2012 |

**RHS Chart - Edition**

**Origin and Breeding** Controlled pollination: 'RZ -85-238' x 'RZ-87-44' in 1993 at HZPC R & D facilities, Metslawier, The Netherlands. Selections were carried out for more than 10 years and trials in different countries for agronomic characteristics, quality and disease resistance for 15 years. The variety has been maintained in the present form for 16 years. The seed parent is characterised by oval tuber shape, yellow flesh colour and short dormancy period. The pollen parent is characterised by crème flesh colour, medium early maturity and very long dormancy period.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>  | <b>State of Expression in Group of Varieties</b> |
|-------------------------|---|--|
| Lightsprout             | proportion of blue in anthocyanin colouration of base | absent or low                                    |
| Lightsprout             | anthocyanin colouration of tip                        | weak   |
| Plant                   | foliage structure                                     | intermediate type                                |
| Tuber                   | colour of base of eye                                 | yellow   |
| Tuber                   | Anthocyanin colouration of skin in reaction to light  | absent or very weak                              |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| Name       | Comments |
|------------|----------|
| 'Atlantic' |          |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments |
|---------|--------------------------------|--|---|----------|
| 'Panda' | plant maturity                 | medium late                              | late                                      |          |
| 'Panda' | tuber flesh colour             | light yellow                             | yellow                                    |          |
| 'Panda' | Tuber dormancy period          | medium long                              | long                                      |          |

**Variety Description and Distinctness** - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.

| Organ/Plant Part: Context  | 'Crisp4all'               | 'Atlantic'              |
|--|---------------------------|-------------------------|
| <input type="checkbox"/> Lightsprout: size   | large                     | small                   |
| <input type="checkbox"/> *Lightsprout: shape   | ovoid                     | ovoid                   |
| <input type="checkbox"/> *Lightsprout: intensity of anthocyanin colouration                  | medium to strong          | strong                  |
| <input type="checkbox"/> *Lightsprout: proportion of blue in anthocyanin colouration of base | absent or low             | absent or low           |
| <input type="checkbox"/> *Lightsprout: pubescence of base                                    | medium to strong          | very strong             |
| <input type="checkbox"/> Lightsprout: size of tip in relation to base                        | medium to large           | medium                  |
| <input checked="" type="checkbox"/> Lightsprout: habit of tip                                | intermediate to open      | closed                  |
| <input type="checkbox"/> Lightsprout: anthocyanin colouration of tip                         | weak                      | absent                  |
| <input checked="" type="checkbox"/> Lightsprout: pubescence of tip                           | strong                    | weak                    |
| <input type="checkbox"/> *Lightsprout: number of root tips                                   | medium to many            | medium                  |
| <input type="checkbox"/> Lightsprout: length of lateral shoots                               | short                     | short                   |
| <input type="checkbox"/> Plant: foliage structure  | intermediate type         | stem                    |
| <input type="checkbox"/> *Plant: growth habit  | semi-upright to spreading | upright to semi-upright |
| <input type="checkbox"/> *Stem: anthocyanin colouration                                      | weak                      | absent or very weak     |
| <input type="checkbox"/> Leaf: outline size  | medium                    | small to medium         |
| <input type="checkbox"/> Leaf: openness  | intermediate              | intermediate            |
| <input type="checkbox"/> Leaf: presence of secondary leaflets                                | medium to strong          | medium to strong        |
| <input type="checkbox"/> Leaf: green colour  | light to medium           | medium                  |
| <input type="checkbox"/> Leaf: anthocyanin colouration on midrib of upper side               | absent or very            | absent or very weak     |

|                                     |   |                    |                     |
|-------------------------------------|---|--------------------|---------------------|
|                                     |   | weak               |                     |
| <input type="checkbox"/>            | Second pair of lateral leaflets: width in relation to length  | narrow to medium   | narrow to medium    |
| <input type="checkbox"/>            | Terminal and lateral leaflets: frequency of coalescence   | absent or very low | absent or very low  |
| <input type="checkbox"/>            | Plant: height   | medium to tall     | medium              |
| <input type="checkbox"/>            | *Plant: time of maturity  | medium to late     | late                |
| <input checked="" type="checkbox"/> | *Tuber: shape   | oval               | round               |
| <input type="checkbox"/>            | Tuber: depth of eyes  | shallow to medium  | shallow             |
| <input checked="" type="checkbox"/> | *Tuber: colour of skin  | yellow             | light beige         |
| <input type="checkbox"/>            | *Tuber: colour of base of eye   | yellow             | yellow              |
| <input checked="" type="checkbox"/> | *Tuber: colour of flesh   | light yellow       | white               |
| <input type="checkbox"/>            | Tuber: anthocyanin colouration of skin in reaction to light (light beige and yellow skinned varieties only) | very weak to weak  | absent or very weak |

#### **Prior Applications and Sales**

| <b>Country</b>  | <b>Year</b> | <b>Current Status</b> | <b>Name Applied</b> |
|-----------------|-------------|-----------------------|---------------------|
| The Netherlands | 2004        | Granted               | 'Crisps4all'        |
| European Union  | 2006        | Granted               | 'Crisps4all'        |
| Argentina       | 2008        | Pending               | 'Crisps4all'        |
| Brazil          | 2009        | Pending               | 'Crisps4all'        |
| Switzerland     | 2008        | Pending               | 'Crisps4all'        |

First sold in Germany in January 2008.

Description: **Kevin Clayton-Greene**, Forth, TAS.

**Details of Application**

|                           |                                   |
|---------------------------|-----------------------------------|
| <b>Application Number</b> | 2010/017                          |
| <b>Variety Name</b>       | 'Taurus'                          |
| <b>Genus Species</b>      | <i>Solanum tuberosum</i>          |
| <b>Common Name</b>        | Potato                            |
| <b>Synonym</b>            | Nil                               |
| <b>Accepted Date</b>      | 04 Jun 2010                       |
| <b>Applicant</b>          | HZPC Holland B.V. The Netherlands |
| <b>Agent</b>              | Harvest Moon Pty Ltd, Forth, TAS  |
| <b>Qualified Person</b>   | Kevin Clayton-Greene              |

**Details of Comparative Trial**

|                     |   |
|---------------------|---|
| <b>Location</b>     | Waikerie, SA  |
| <b>Descriptor</b>   | Potato( <i>Solanum tuberosum</i> ) TG/23/6  |
| <b>Period</b>       | Feb-May 2011  |
| <b>Conditions</b>   | Plantlets ex-Genetic Resources Centre raised from tissue cultures and planted into potting mix in 200mm diameter plastic pots in late Feb 2011. Pots placed on benches in a screened polythene clad greenhouse to maintain freedom from insect vectors and viruses.   |
| <b>Trial Design</b> | Randomised complete block design. Three replicates of 20 plants per variety   |
| <b>Measurements</b> | Observations of plant and foliage characteristics were taken on 24 <sup>th</sup> April 2011. Day length conditions were not suitable for flower initiation and flower characteristics are taken from published UPOV descriptions. Tuber characteristics were recorded in May 2012. Light sprout data was sourced from UPOV description in August 2012 |

**Origin and Breeding**

Controlled pollination: 'Panda' x 'RZ-87-44' in 1995 at HZPC R & D facilities, Metslawier, The Netherlands. Selections were carried out for more than 10 years and trials in different countries for agronomic characteristics, quality and disease resistance for 15 years. The variety has been maintained in the present form for 14 years. The seed parent is characterised by late maturity and yellow flesh colour. The pollen parent is characterised by cream flesh colour.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>  | <b>State of Expression in Group of Varieties</b> |
|-------------------------|---|--|
| Lightsprout             | proportion of blue in anthocyanin colouration of base | absent or low                                    |
| Plant                   | foliage structure                                     | stem type  |
| Leaf                    | openness  | intermediate                                     |
| Leaf                    | presence of secondary leaflets                        | medium to strong                                 |
| Tuber                   | shape   | short-oval                                       |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| Name       | Comments |
|------------|----------|
| 'Atlantic' |          |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety   | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments |
|-----------|--------------------------------|--|---|----------|
| 'Saturna' | Tuber flesh colour             | light yellow                             | yellow                                    |          |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context  | 'Taurus'                | 'Atlantic'          |
|--|-------------------------|---------------------|
| <input type="checkbox"/> Lightsprout: size   | medium to large         | small               |
| <input checked="" type="checkbox"/> *Lightsprout: shape                                      | spherical               | ovoid               |
| <input type="checkbox"/> *Lightsprout: intensity of anthocyanin colouration                  | medium to strong        | medium              |
| <input type="checkbox"/> *Lightsprout: proportion of blue in anthocyanin colouration of base | absent or low           | absent or low       |
| <input type="checkbox"/> *Lightsprout: pubescence of base                                    | medium to strong        | very strong         |
| <input checked="" type="checkbox"/> Lightsprout: size of tip in relation to base             | large                   | medium              |
| <input checked="" type="checkbox"/> Lightsprout: habit of tip                                | intermediate to open    | closed              |
| <input checked="" type="checkbox"/> Lightsprout: anthocyanin colouration of tip              | medium to strong        | absent or very weak |
| <input checked="" type="checkbox"/> Lightsprout: pubescence of tip                           | medium                  | weak                |
| <input type="checkbox"/> *Lightsprout: number of root tips                                   | very few to few         | medium              |
| <input type="checkbox"/> Lightsprout: length of lateral shoots                               | short                   | short to medium     |
| <input type="checkbox"/> Plant: foliage structure  | stem type               | stem type           |
| <input type="checkbox"/> *Plant: growth habit  | upright to semi-upright | semi-upright        |
| <input type="checkbox"/> *Stem: anthocyanin colouration                                      | weak                    | absent or very weak |
| <input type="checkbox"/> Leaf: outline size  | medium to large         | small to medium     |
| <input type="checkbox"/> Leaf: openness  | intermediate            | intermediate        |
| <input type="checkbox"/> Leaf: presence of secondary leaflets                                | medium to strong        | medium to strong    |
| <input type="checkbox"/> Leaf: green colour  | medium to dark          | medium              |
| <input type="checkbox"/> Leaf: anthocyanin colouration on midrib of upper side               | absent or very weak     | absent or very weak |
| <input type="checkbox"/> Second pair of lateral leaflets: width in relation to length        | medium                  | narrow to medium    |
| <input type="checkbox"/> Terminal and lateral leaflets: frequency of coalescence             | absent or very low      | absent or very low  |
| <input type="checkbox"/> Plant: height   | medium to tall          | medium              |



|                                     |   |                |                     |
|-------------------------------------|---|----------------|---------------------|
| <input type="checkbox"/>            | *Plant: frequency of flowers  | medium to high |                     |
| <input type="checkbox"/>            | *Plant: time of maturity  | medium         | medium to late      |
| <input type="checkbox"/>            | *Tuber: shape   | short-oval     | short-oval          |
| <input type="checkbox"/>            | Tuber: depth of eyes  | medium to deep | shallow to medium   |
| <input checked="" type="checkbox"/> | *Tuber: colour of skin  | yellow         | light beige         |
| <input checked="" type="checkbox"/> | *Tuber: colour of base of eye   | yellow         | white               |
| <input checked="" type="checkbox"/> | *Tuber: colour of flesh   | light yellow   | white               |
| <input type="checkbox"/>            | Tuber: anthocyanin colouration of skin in reaction to light (light beige and yellow skinned varieties only) | weak to medium | absent or very weak |

### **Prior Applications and Sales**

| <b>Country</b>  | <b>Year</b> | <b>Current Status</b> | <b>Name Applied</b> |
|-----------------|-------------|-----------------------|---------------------|
| The Netherlands | 2005        | Granted               | 'Taurus'            |
| European Union  | 2007        | Granted               | 'Taurus'            |
| Argentina       | 2008        | Pending               | 'Taurus'            |
| Turkey          | 2010        | Pending               | 'Taurus'            |
| South Africa    | 2009        | Pending               | 'Taurus'            |

First sold in Finland in Dec 2007.

Description: **Kevin Clayton-Green**, Forth, TAS.

**Details of Application**

|                           |                               |
|---------------------------|-------------------------------|
| <b>Application Number</b> | 2009/298                      |
| <b>Variety Name</b>       | 'Pink Cream'                  |
| <b>Genus Species</b>      | <i>Protea compacta</i>        |
| <b>Common Name</b>        | Protea                        |
| <b>Synonym</b>            | Nil                           |
| <b>Accepted Date</b>      | 11 Dec 2009                   |
| <b>Applicant</b>          | Glenda Nielsen, Wantirna, VIC |
| <b>Agent</b>              | n/a                           |
| <b>Qualified Person</b>   | Alan Peoples                  |

**Details of Comparative Trial**

|                     |   |
|---------------------|---|
| <b>Location</b>     | Monbulk, VIC.   |
| <b>Descriptor</b>   | Protea (UPOV TG/129/3)  |
| <b>Period</b>       | 2009 to 2012  |
| <b>Conditions</b>   | Plants were propagated Summer 2010, potted to 140 mm Spring 2010, potted to 200 mm Spring 2011 and evaluated Winter 2012. Plants were grown in pine bark based potting mix with controlled release fertiliser added. The growing trial was conducted at Monbulk, Victoria, Australia. |
| <b>Trial Design</b> | Protea 'Pink Velvet', Protea 'Stately' and Protea 'Thomas' were used as comparators. 10 plants each of the candidate and comparators were grown. Plants grown in separate plots under greenhouse conditions.  |
| <b>Measurements</b> | Leaves and one flower from each plant were sampled for characteristics. Inflorescence observations were made when the first few florets on the outer series had reached anthesis.   |

**RHS Chart - edition** 1986

**Origin and Breeding**

Open pollination: natural pollination of *Protea compacta* hybrid seedling (breeder's reference 'Pink Velvet') on breeder's property Monbulk, VIC in 1994. Flower heads from 'Pink Velvet' were harvested and seed sown. 1996: seedling planted out on breeder's property. 2003: 'Pink Cream' selected for further evaluation on the basis of its straight flower stems, pink flowers and pointed yellowish flower mass. 2003: Cuttings were taken and grown on at Proteaflora Nursery, Monbulk, Victoria for evaluation of pot growing characteristics. 2006: 'Pink Cream' selected on the basis of its attractive habit in 200mm pots (in addition to flower characteristics previously identified). Breeder: Glenda Nielsen, Wantirna, VIC.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>     | <b>State of Expression in Group of Varieties</b> |
|-------------------------|--------------------|--|
| Plant                   | growth habit       | erect  |
| Plant                   | height             | medium to tall                                   |
| Plant                   | diameter           | medium   |
| Plant                   | density of foliage | medium to dense                                  |
| Plant                   | lignotuber         | absent   |
| Flower head             | length             | medium   |
| Flower head             | predominant colour | pink   |
| Inner involucre bract   | fringe of margin   | present  |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| Name          | Comments        |
|---------------|-----------------|
| 'Pink Velvet' | Maternal parent |
| 'Stately'     |                 |
| 'Thomas'      |                 |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context   | 'Pink Cream'    | 'Pink Velvet'   | 'Stately'         | 'Thomas'          |
|---|-----------------|-----------------|-------------------|-------------------|
| <input type="checkbox"/> *Plant: growth habit   | erect           | erect           | erect             | erect             |
| <input type="checkbox"/> Plant: height  | medium to tall  | tall            | tall              | tall              |
| <input type="checkbox"/> Plant: diameter  | medium          | medium          | medium            | medium            |
| <input type="checkbox"/> Plant: density of foliage  | medium to dense | medium to dense | medium to dense   | medium to dense   |
| <input type="checkbox"/> Plant: development of lateral shoots immediately below inflorescence | present         | present         | present           | present           |
| <input type="checkbox"/> *Plant: lignotuber   | absent          | absent          | absent            | absent            |
| <input type="checkbox"/> Main stem: thickness (non lignotuberous varieties only)              | medium to thick | thick           | thick             | thick             |
| <input type="checkbox"/> Main stem: colour (non lignotuberous varieties only)                 | brown           | brown           | brown             | brown             |
| <input type="checkbox"/> Leaf: blade always upright   | absent          | absent          | absent            | absent            |
| <input type="checkbox"/> Leaf: predominant attitude in relation to branch                     | oblique         | oblique         | oblique           | oblique           |
| <input checked="" type="checkbox"/> Leaf: length  | medium to long  | medium          | medium to long    | long to very long |
| <input checked="" type="checkbox"/> Leaf: width   | narrow          | medium          | medium            | medium            |
| <input type="checkbox"/> Leaf: ratio length/width   | medium to large | medium to large | medium to large   | medium to large   |
| <input type="checkbox"/> *Leaf: position of broadest part                                     | in middle       | in middle       | in middle         | in middle         |
| <input checked="" type="checkbox"/> *Leaf: shape of apex                                      | acute           | slightly obtuse | obtuse to rounded | obtuse to rounded |
| <input checked="" type="checkbox"/> *Leaf: shape of base                                      | obtuse          | obtuse          | obtuse            | cordate           |
| <input type="checkbox"/> Leaf: shape in cross section   | flat            | flat            | flat              | flat              |
| <input type="checkbox"/> Leaf: colour   | green           | green           | green             | green             |
| <input type="checkbox"/> Leaf: pubescence   | present         | present         | present           | present           |
| <input type="checkbox"/> Leaf: density of pubescence  | dense           | medium to dense | medium to dense   | medium to dense   |
| <input type="checkbox"/> Leaf: conspicuousness of midrib on upper side                        | conspicuous     | conspicuous     | conspicuous       | conspicuous       |

|                                     |   |                 |                 |                 |                 |
|-------------------------------------|---|-----------------|-----------------|-----------------|-----------------|
| <input type="checkbox"/>            | Leaf: colour of conspicuous midrib on upper side                  | yellowish       | yellowish       | yellowish       | yellowish       |
| <input checked="" type="checkbox"/> | Leaf: undulation of margin  | absent          | absent          | present         | absent          |
| <input type="checkbox"/>            | Leaf: colour of margin  | yellowish       | yellowish       | yellowish       | yellowish       |
| <input type="checkbox"/>            | *Leaf: petiole  | absent          | absent          | absent          | absent          |
| <input checked="" type="checkbox"/> | Flowering branch: length  | medium          | long            | long            | long            |
| <input type="checkbox"/>            | Flowering branch: thickness                                       | medium to thick | thick           | thick           | thick           |
| <input type="checkbox"/>            | Flowering branch: rigidity  | strong          | strong          | strong          | strong          |
| <input type="checkbox"/>            | Flowering branch: pubescence                                      | present         | present         | present         | present         |
| <input type="checkbox"/>            | Flowering branch: density of pubescence                           | medium to dense | medium to dense | medium to dense | medium to dense |
| <input type="checkbox"/>            | Flowering branch: predominant colour                              | greenish        | greenish        | greenish        | greenish        |
| <input type="checkbox"/>            | Flower head: narrowed basal part                                  | absent          | absent          | absent          | absent          |
| <input type="checkbox"/>            | *Flower head: length  | medium          | medium          | medium          | medium          |
| <input type="checkbox"/>            | *Flower head: diameter  | medium          | medium          | medium          | medium to large |
| <input type="checkbox"/>            | Flower head: diameter of floret mass just before anthesis         | medium          | medium          | medium          | medium          |
| <input type="checkbox"/>            | *Flower head: shape of involucre                                  | obovate         | obovate         | obovate         | semi-globose    |
| <input type="checkbox"/>            | *Flower head: predominant colour                                  | pink            | pale pink       | pink            | pale pink       |
| <input type="checkbox"/>            | Outer involucre bract: length of exposed part                     | medium to long  | medium to long  | medium          | medium to long  |
| <input type="checkbox"/>            | Outer involucre bract: length                                     | medium          | medium          | medium          | medium          |
| <input type="checkbox"/>            | Outer involucre bract: width                                      | broad           | broad           | broad           | broad           |
| <input type="checkbox"/>            | Outer involucre bract: shape of apex                              | acute           | acute           | obtuse          | acute           |
| <input type="checkbox"/>            | Outer involucre bract: dry margin                                 | present         | present         | present         | present         |
| <input type="checkbox"/>            | Outer involucre bract: width of dry margin                        | medium          | medium          | medium          | medium          |
| <input checked="" type="checkbox"/> | Outer involucre bract: colour of marginal area below dried margin | pink            | pink            | pink            | yellowish       |
| <input checked="" type="checkbox"/> | Outer involucre bract: colour of central exposed area             | pink            | pink            | pink            | yellowish       |
| <input type="checkbox"/>            | Inner involucre bracts: number                                    | medium          | medium          | medium          | medium          |
| <input type="checkbox"/>            | Inner involucre bract: length of exposed part                     | medium to long  | medium to long  | medium          | medium to long  |
| <input type="checkbox"/>            | Inner involucre bract: length                                     | medium          | medium to long  | medium          | medium          |

|                                     |   |                 |                     |                |                   |
|-------------------------------------|---|-----------------|---------------------|----------------|-------------------|
| <input type="checkbox"/>            | Inner involucre bract: width                                  | medium          | medium              | medium         | medium            |
| <input type="checkbox"/>            | Inner involucre bract: shape                                  | oblong          | oblong              | oblong         | oblong            |
| <input type="checkbox"/>            | Inner involucre bract: shape of apex                          | slightly obtuse | slightly obtuse     | obtuse         | slightly obtuse   |
| <input checked="" type="checkbox"/> | Inner involucre bract: incurving of apex                      | weak            | medium              | medium         | very weak to weak |
| <input type="checkbox"/>            | Inner involucre bract: colour of apical part on outer side    | pink            | pale pink           | pink           | pale pink         |
| <input type="checkbox"/>            | Inner involucre bract: colour below apical part on outer side | pink            | pale pink           | pink           | pale pink         |
| <input type="checkbox"/>            | Inner involucre bract: pubescence on outer side               | present         | present             | present        | present           |
| <input type="checkbox"/>            | Inner involucre bract: density of pubescence on outer side    | medium          | medium              | medium         | medium            |
| <input type="checkbox"/>            | Inner involucre bract: waxy covering on outer side            | absent          | absent              | absent         | absent            |
| <input type="checkbox"/>            | *Inner involucre bract: fringe of margin                      | present         | present             | present        | present           |
| <input checked="" type="checkbox"/> | *Inner involucre bract: apical tuft                           | absent          | present             | absent         | present           |
| <input type="checkbox"/>            | Involucre: resin on bracts                                    | absent          | absent              | absent         | absent            |
| <input checked="" type="checkbox"/> | Floret mass: height in relation to involucre bracts           | lower           | much lower to lower | lower          | equal             |
| <input type="checkbox"/>            | Floret mass: shape of apex                                    | pointed         | rounded             | pointed        | pointed           |
| <input checked="" type="checkbox"/> | Floret mass: colour   | yellowish       | pink                | pink           | pink              |
| <input type="checkbox"/>            | Floret: length of perianth                                    | medium to long  | medium to long      | medium to long | medium to long    |
| <input type="checkbox"/>            | Floret: length of style                                       | medium          | medium              | medium         | medium            |
| <input type="checkbox"/>            | Floret: junction of pollen presenter to style                 | conspicuous     | conspicuous         | conspicuous    | conspicuous       |
| <input checked="" type="checkbox"/> | *Time of: peak of flowering                                   | medium to late  | medium to late      | medium to late | early to medium   |

#### **Characteristics Additional to the Descriptor/TG**

| <b>Organ/Plant Part: Context</b>  | <b>‘Pink Cream’</b> | <b>‘Pink Velvet’</b> | <b>‘Stately’</b> | <b>‘Thomas’</b> |
|---|---------------------|----------------------|------------------|-----------------|
| <input checked="" type="checkbox"/> Immature leaf: undulation of margin | weak                | weak                 | medium to strong | medium          |

#### **Prior Applications and Sales**

Prior applications nil. First sold in Australia in Nov 2008.

Description: **Alan Peoples**, Proteaflora Nursery, Monbulk, VIC.

**Details of Application**

|                           |                               |
|---------------------------|-------------------------------|
| <b>Application Number</b> | 2009/297                      |
| <b>Variety Name</b>       | 'Stately'                     |
| <b>Genus Species</b>      | <i>Protea compacta</i>        |
| <b>Common Name</b>        | Protea                        |
| <b>Synonym</b>            | Nil                           |
| <b>Accepted Date</b>      | 11 Dec 2009                   |
| <b>Applicant</b>          | Glenda Nielsen, Wantirna, VIC |
| <b>Agent</b>              | n/a                           |
| <b>Qualified Person</b>   | Alan Peoples                  |

**Details of Comparative Trial**

|                     |   |
|---------------------|---|
| <b>Location</b>     | Monbulk, VIC.   |
| <b>Descriptor</b>   | Protea (UPOV TG/129/3)  |
| <b>Period</b>       | 2009 to 2012  |
| <b>Conditions</b>   | Plants were propagated Summer 2010, potted to 140 mm Spring 2010, potted to 200 mm Spring 2011 and evaluated Winter 2012. Plants were grown in pine bark based potting mix with controlled release fertiliser added. The growing trial was conducted at Monbulk, Victoria, Australia. |
| <b>Trial Design</b> | Protea 'Pink Velvet', Protea 'Thomas' and Protea 'Pink Cream' were used as comparators. 10 plants each of the candidate and comparators were grown. Plants grown in separate plots under greenhouse conditions.   |
| <b>Measurements</b> | Leaves and one flower from each plant were sampled for characteristics. Inflorescence observations were made when the first few florets on the outer series had reached anthesis.   |

**RHS Chart - edition** 1986

**Origin and Breeding**

Open pollination: natural pollination of *Protea compacta* hybrid seedling (breeder's reference 'Pink Velvet') on breeder's property Monbulk, VIC in 1994. Flower heads from 'Pink Velvet' were harvested and seed sown. 1996: seedling planted out on breeder's property. 2003: 'Stately' selected for further evaluation on the basis of its straight flower stems and pink flowers. 2003: Cuttings were taken and grown on at Proteaflora Nursery, Monbulk, Victoria for evaluation of pot growing characteristics. 2006: 'Stately' selected on the basis of its attractive habit in 200mm pots (in addition to flower characteristics previously identified). Breeder: Glenda Nielsen, Wantirna, VIC.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>     | <b>State of Expression in Group of Varieties</b> |
|-------------------------|--------------------|--|
| Plant                   | growth habit       | erect  |
| Plant                   | height             | medium to tall                                   |
| Plant                   | diameter           | medium   |
| Plant                   | density of foliage | medium to dense                                  |
| Plant                   | lignotuber         | absent   |
| Flower head             | length             | medium   |
| Flower head             | predominant colour | pink   |
| Inner involucre bract   | fringe of margin   | present  |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| Name          | Comments        |
|---------------|-----------------|
| 'Pink Velvet' | Maternal parent |
| 'Thomas'      |                 |
| 'Pink Cream'  |                 |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context   | 'Stately'         | 'Pink Cream'    | 'Pink Velvet'   | 'Thomas'          |
|---|-------------------|-----------------|-----------------|-------------------|
| <input type="checkbox"/> *Plant: growth habit   | erect             | erect           | erect           | erect             |
| <input type="checkbox"/> Plant: height  | tall              | medium to tall  | tall            | tall              |
| <input type="checkbox"/> Plant: diameter  | medium            | medium          | medium          | medium            |
| <input type="checkbox"/> Plant: density of foliage  | medium to dense   | medium to dense | medium to dense | medium to dense   |
| <input type="checkbox"/> Plant: development of lateral shoots immediately below inflorescence | present           | present         | present         | present           |
| <input type="checkbox"/> *Plant: lignotuber   | absent            | absent          | absent          | absent            |
| <input type="checkbox"/> Main stem: thickness (non lignotuberous varieties only)              | thick             | medium to thick | thick           | thick             |
| <input type="checkbox"/> Main stem: colour (non lignotuberous varieties only)                 | brown             | brown           | brown           | brown             |
| <input type="checkbox"/> Leaf: blade always upright   | absent            | absent          | absent          | absent            |
| <input type="checkbox"/> Leaf: predominant attitude in relation to branch                     | oblique           | oblique         | oblique         | oblique           |
| <input checked="" type="checkbox"/> Leaf: length  | medium to long    | medium to long  | medium          | long to very long |
| <input checked="" type="checkbox"/> Leaf: width   | medium            | narrow          | medium          | medium            |
| <input type="checkbox"/> Leaf: ratio length/width   | medium to large   | medium to large | medium to large | medium to large   |
| <input type="checkbox"/> *Leaf: position of broadest part                                     | in middle         | in middle       | in middle       | in middle         |
| <input checked="" type="checkbox"/> *Leaf: shape of apex                                      | obtuse to rounded | acute           | slightly obtuse | obtuse to rounded |
| <input checked="" type="checkbox"/> *Leaf: shape of base                                      | obtuse            | obtuse          | obtuse          | cordate           |
| <input type="checkbox"/> Leaf: shape in cross section   | flat              | flat            | flat            | flat              |
| <input type="checkbox"/> Leaf: colour   | green             | green           | green           | green             |
| <input type="checkbox"/> Leaf: pubescence   | present           | present         | present         | present           |
| <input type="checkbox"/> Leaf: density of pubescence  | medium to dense   | dense           | medium to dense | medium to dense   |
| <input type="checkbox"/> Leaf: conspicuousness of midrib on upper side                        | conspicuous       | conspicuous     | conspicuous     | conspicuous       |
| <input type="checkbox"/> Leaf: colour of conspicuous midrib on                                | yellowish         | yellowish       | yellowish       | yellowish         |

|                                     |   |                 |                 |                 |                 |
|-------------------------------------|---|-----------------|-----------------|-----------------|-----------------|
| upper side                          |   |                 |                 |                 |                 |
| <input checked="" type="checkbox"/> | Leaf: undulation of margin  | present         | absent          | absent          | present         |
| <input type="checkbox"/>            | Leaf: colour of margin  | yellowish       | yellowish       | yellowish       | yellowish       |
| <input type="checkbox"/>            | *Leaf: petiole  | absent          | absent          | absent          | absent          |
| <input checked="" type="checkbox"/> | Flowering branch: length  | long            | medium          | long            | long            |
| <input type="checkbox"/>            | Flowering branch: thickness                                       | thick           | medium to thick | thick           | thick           |
| <input type="checkbox"/>            | Flowering branch: rigidity  | strong          | strong          | strong          | strong          |
| <input type="checkbox"/>            | Flowering branch: pubescence                                      | present         | present         | present         | present         |
| <input type="checkbox"/>            | Flowering branch: density of pubescence                           | medium to dense | medium to dense | medium to dense | medium to dense |
| <input type="checkbox"/>            | Flowering branch: predominant colour                              | greenish        | greenish        | greenish        | greenish        |
| <input type="checkbox"/>            | Flower head: narrowed basal part                                  | absent          | absent          | absent          | absent          |
| <input type="checkbox"/>            | *Flower head: length  | medium          | medium          | medium          | medium          |
| <input type="checkbox"/>            | *Flower head: diameter  | medium          | medium          | medium          | medium to large |
| <input type="checkbox"/>            | Flower head: diameter of floret mass just before anthesis         | medium          | medium          | medium          | medium          |
| <input type="checkbox"/>            | *Flower head: shape of involucre                                  | obovate         | obovate         | obovate         | semi-globose    |
| <input type="checkbox"/>            | *Flower head: predominant colour                                  | pink            | pink            | pale pink       | pale pink       |
| <input type="checkbox"/>            | Outer involucre bract: length of exposed part                     | medium          | medium to long  | medium to long  | medium to long  |
| <input type="checkbox"/>            | Outer involucre bract: length                                     | medium          | medium          | medium          | medium          |
| <input type="checkbox"/>            | Outer involucre bract: width                                      | broad           | broad           | broad           | broad           |
| <input type="checkbox"/>            | Outer involucre bract: shape of apex                              | obtuse          | acute           | acute           | acute           |
| <input type="checkbox"/>            | Outer involucre bract: dry margin                                 | present         | present         | present         | present         |
| <input type="checkbox"/>            | Outer involucre bract: width of dry margin                        | medium          | medium          | medium          | medium          |
| <input checked="" type="checkbox"/> | Outer involucre bract: colour of marginal area below dried margin | pink            | pink            | pink            | yellowish       |
| <input checked="" type="checkbox"/> | Outer involucre bract: colour of central exposed area             | pink            | pink            | pink            | yellowish       |
| <input type="checkbox"/>            | Inner involucre bracts: number                                    | medium          | medium          | medium          | medium          |
| <input type="checkbox"/>            | Inner involucre bract: length of exposed part                     | medium          | medium to long  | medium to long  | medium to long  |
| <input type="checkbox"/>            | Inner involucre bract: length                                     | medium          | medium          | medium to long  | medium          |
| <input type="checkbox"/>            | Inner involucre bract: width                                      | medium          | medium          | medium          | medium          |



|                                     |   |                |                 |                     |                   |
|-------------------------------------|---|----------------|-----------------|---------------------|-------------------|
| <input type="checkbox"/>            | Inner involucre bract: shape                                  | oblong         | oblong          | oblong              | oblong            |
| <input type="checkbox"/>            | Inner involucre bract: shape of apex                          | obtuse         | slightly obtuse | slightly obtuse     | slightly obtuse   |
| <input checked="" type="checkbox"/> | Inner involucre bract: incurving of apex                      | medium         | weak            | medium              | very weak to weak |
| <input type="checkbox"/>            | Inner involucre bract: colour of apical part on outer side    | pink           | pink            | pale pink           | pale pink         |
| <input type="checkbox"/>            | Inner involucre bract: colour below apical part on outer side | pink           | pink            | pale pink           | pale pink         |
| <input type="checkbox"/>            | Inner involucre bract: pubescence on outer side               | present        | present         | present             | present           |
| <input type="checkbox"/>            | Inner involucre bract: density of pubescence on outer side    | medium         | medium          | medium              | medium            |
| <input type="checkbox"/>            | Inner involucre bract: waxy covering on outer side            | absent         | absent          | absent              | absent            |
| <input type="checkbox"/>            | *Inner involucre bract: fringe of margin                      | present        | present         | present             | present           |
| <input checked="" type="checkbox"/> | *Inner involucre bract: apical tuft                           | absent         | absent          | present             | present           |
| <input type="checkbox"/>            | Involucre: resin on bracts                                    | absent         | absent          | absent              | absent            |
| <input type="checkbox"/>            | Floret mass: height in relation to involucre bracts           | lower          | lower           | much lower to lower | equal             |
| <input type="checkbox"/>            | Floret mass: shape of apex                                    | pointed        | pointed         | rounded             | pointed           |
| <input checked="" type="checkbox"/> | Floret mass: colour   | pink           | yellowish       | pink                | pink              |
| <input type="checkbox"/>            | Floret: length of perianth                                    | medium to long | medium to long  | medium to long      | medium to long    |
| <input type="checkbox"/>            | Floret: length of style                                       | medium         | medium          | medium              | medium            |
| <input type="checkbox"/>            | Floret: junction of pollen presenter to style                 | conspicuous    | conspicuous     | conspicuous         | conspicuous       |
| <input checked="" type="checkbox"/> | *Time of: peak of flowering                                   | medium to late | medium to late  | medium to late      | early to medium   |

### **Characteristics Additional to the Descriptor/TG**

| <b>Organ/Plant Part: Context</b>  | <b>‘Stately’</b> | <b>‘Pink Cream’</b> | <b>‘Pink Velvet’</b> | <b>‘Thomas’</b> |
|---|------------------|---------------------|----------------------|-----------------|
| <input checked="" type="checkbox"/> Immature leaf: undulation of margin | medium to strong | weak                | weak                 | medium          |

### **Prior Applications and Sales**

Prior applications nil. First sold in Australia in Nov 2008.

Description: **Alan Peoples**, Proteaflora Nursery, Monbulk, VIC.

**Details of Application**

|                           |  |
|---------------------------|--|
| <b>Application Number</b> | 2011/086   |
| <b>Variety Name</b>       | 'VGR501'   |
| <b>Genus Species</b>      | <i>Oryza sativa</i>  |
| <b>Common Name</b>        | Rice   |
| <b>Synonym</b>            | Nil  |
| <b>Accepted Date</b>      | 23 Jun 2011  |
| <b>Applicant</b>          | Vita Grain Pte Ltd, Singapore  |
| <b>Agent</b>              | Dr. Abdul Mutakabbir Chaudhury (For the services of notices only), ACT |
| <b>Qualified Person</b>   | Abdul Chaudhury  |

**Details of Comparative Trial**

|                            |   |
|----------------------------|---|
| <b>Location</b>            | Cluny Farm, Mauritius   |
| <b>Descriptor</b>          | UPOV TG/16/8  |
| <b>Period</b>              | Nov 2011 to Apr 2012  |
| <b>Conditions</b>          | The trial was transplanted into a well prepared block under irrigated conditions. One seedling per hill, standard agronomic practices followed. Insect and pest control measures were taken as necessary. |
| <b>Trial Design</b>        | Randomised Complete Block Design  |
| <b>Measurements</b>        | All measurements were taken in accordance with UPOV technical guidelines.   |
| <b>RHS Chart - edition</b> | Nil   |

**Origin and Breeding**

Induced mutation followed by backcrossing: 'KH101' seed was mutagenised with EMS. The parental variety is characterised by low number of grains per panicle and low grain weight. Seeds were harvested from M1 plants. M2 were screened for increased grain number per panicle. M3 were back-crossed to 'KH101' and higher grain number types were selected. Selection criteria: six cycles of selection for grain yield. Breeder: Vita Grain Pte Ltd.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>                        | <b>State of Expression in Group of Varieties</b> |
|-------------------------|---------------------------------------|--|
| Leaf                    | anthocyanin colouration of auricle    | absent   |
| Stem                    | length                                | medium to tall                                   |
| Stem                    | anthocyanin colouration of internodes | absent   |
| Panicle                 | attitude of branches                  | semi-erect                                       |
| Endosperm               | type                                  | non-glutinous                                    |
| Decorticated grain      | width                                 | very narrow to narrow                            |
| Decorticated grain      | colour                                | light brown or variegated brown                  |
| Decorticated grain      | aroma                                 | absent or very weak                              |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b> | <b>Comments</b>                |
|-------------|--------------------------------|
| 'VGR500'    | most similar variety           |
| 'VGR502'    | From the same breeding program |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety  | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments |
|----------|--------------------------------|--|---|----------|
| 'VGR400' | Grain weight                   | 20g/1000 seed                            | 15g/1000 seed                             |          |
| 'VGR401' | Grain length                   | 9mm                                      | 7mm                                       |          |
| 'VGR402' | Grain number                   | 180/panilce                              | 130/panilce                               |          |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context  | 'VGR501'            | 'VGR500'            | 'VGR502'            |
|--|---------------------|---------------------|---------------------|
| <input type="checkbox"/> Coleoptile: anthocyanin colouration                                   | absent or very weak | absent or very weak | absent or very weak |
| <input type="checkbox"/> Basal leaf: sheath colour   | green               | green               | green               |
| <input checked="" type="checkbox"/> Leaf: intensity of green colour                            | light to medium     | dark                | light to medium     |
| <input type="checkbox"/> Leaf: anthocyanin colouration   | absent              | absent              | absent              |
| <input type="checkbox"/> Leaf sheath: anthocyanin colouration                                  | present             | present             | present             |
| <input type="checkbox"/> Leaf sheath: intensity of anthocyanin colouration                     | very weak           | very weak           | very weak to weak   |
| <input type="checkbox"/> Leaf blade: pubescence of surface                                     | absent or very weak | absent or very weak | absent or very weak |
| <input type="checkbox"/> *Leaf: anthocyanin colouration of auricles                            | absent              | absent              | absent              |
| <input type="checkbox"/> Leaf: anthocyanin colouration of collar                               | absent              | absent              | absent              |
| <input checked="" type="checkbox"/> Leaf: shape of ligule                                      | acute               | acute               | truncate            |
| <input type="checkbox"/> Leaf: colour of ligule  | colourless          | colourless          | colourless          |
| <input type="checkbox"/> Leaf blade: length  | medium              | medium              | medium              |
| <input type="checkbox"/> Leaf blade: width   | medium              | narrow to medium    | narrow to medium    |
| <input type="checkbox"/> *Flag leaf: attitude of blade (early observation)                     | erect to semi-erect | erect               | erect               |
| <input type="checkbox"/> *Flag leaf: attitude of blade (late observation)                      | erect to semi-erect | erect               | erect               |
| <input type="checkbox"/> Culm: habit   | semi-erect to open  | semi-erect to open  | semi-erect to open  |
| <input type="checkbox"/> Culm: kneeling ability (prostrate varieties only)                     | absent              | absent              | absent              |
| <input checked="" type="checkbox"/> *Time of: heading  | late to very late   | medium to late      | late to very late   |
| <input type="checkbox"/> Male: sterility   | absent              | absent              | absent              |
| <input type="checkbox"/> Lemma: anthocyanin colouration of keel (early observation)            | absent or very weak | absent or very weak | absent or very weak |
| <input type="checkbox"/> Lemma: anthocyanin colouration of area below apex (early observation) | absent or very weak | absent or very weak | absent or very weak |

|                                     |  |                     |   |   |
|-------------------------------------|--|---------------------|---|---|
| <input checked="" type="checkbox"/> | *Lemma: anthocyanin colouration of apex (early observation)          | medium              | absent or very weak                     | absent or very weak                     |
| <input checked="" type="checkbox"/> | *Spikelet: colour of stigma  | yellow              | purple                                  | yellow                                  |
| <input type="checkbox"/>            | Stem: thickness  | medium to thick     | thin to medium                          | medium                                  |
| <input type="checkbox"/>            | *Stem: anthocyanin colouration of nodes                              | absent              | absent                                  | absent                                  |
| <input type="checkbox"/>            | Stem: anthocyanin colouration of internodes                          | absent              | absent                                  | absent                                  |
| <input checked="" type="checkbox"/> | *Panicle: length of main axis  | medium              | medium                                  | short to medium                         |
| <input type="checkbox"/>            | Panicle: number per plant  | many                | medium to many                          | medium                                  |
| <input type="checkbox"/>            | Panicle: awns  | absent              | absent                                  | absent                                  |
| <input checked="" type="checkbox"/> | *Spikelet: pubescence of lemma                                       | weak to medium      | medium                                  | absent or very weak                     |
| <input checked="" type="checkbox"/> | Spikelet: colour of tip of lemma                                     | white               | brown                                   | white                                   |
| <input type="checkbox"/>            | *Panicle: attitude in relation to stem                               | strongly drooping   | strongly drooping                       | strongly drooping                       |
| <input type="checkbox"/>            | Panicle: presence of secondary branching                             | present             | present                                 | present                                 |
| <input type="checkbox"/>            | Panicle: type of secondary branching                                 | type 2              | type 2                                  | type 2                                  |
| <input type="checkbox"/>            | *Panicle: attitude of branches                                       | semi-erect          | semi-erect                              | semi-erect                              |
| <input type="checkbox"/>            | Panicle: exertion  | just exerted        | just exerted to moderately-well exerted | just exerted to moderately-well exerted |
| <input type="checkbox"/>            | Time of: maturity  | late to very late   | late                                    | late                                    |
| <input checked="" type="checkbox"/> | Leaf: time of senescence   | late                | late                                    | early to intermediate                   |
| <input type="checkbox"/>            | Lemma: colour  | gold                | gold                                    | light gold                              |
| <input type="checkbox"/>            | Lemma: ornamentation   | absent              | absent                                  | absent                                  |
| <input type="checkbox"/>            | Lemma: anthocyanin colouration of keel (late observation)            | absent or very weak | absent or very weak                     | absent or very weak                     |
| <input type="checkbox"/>            | Lemma: anthocyanin colouration of area below apex (late observation) | absent or very weak | absent or very weak                     | absent or very weak                     |
| <input type="checkbox"/>            | Lemma: anthocyanin colouration of apex (late observation)            | absent or very weak | absent or very weak                     | absent or very weak                     |
| <input checked="" type="checkbox"/> | Glume: length  | long to very long   | long                                    | short to medium                         |
| <input type="checkbox"/>            | Glume: colour  | gold                | gold                                    | gold                                    |
| <input checked="" type="checkbox"/> | Grain: weight of 1000  | low to medium       | medium                                  | medium                                  |
| <input checked="" type="checkbox"/> | Grain: length  | long to very long   | very long                               | long                                    |
| <input checked="" type="checkbox"/> | Grain: width   | very narrow         | very narrow to narrow                   | narrow                                  |

|   |                       |                       |                       |
|---|-----------------------|-----------------------|-----------------------|
| <input checked="" type="checkbox"/> *Decorticated grain: length       | long                  | long                  | medium                |
| <input type="checkbox"/> Decorticated grain: width                    | very narrow to narrow | very narrow to narrow | very narrow to narrow |
| <input type="checkbox"/> *Decorticated grain: shape (in lateral view) | long spindle-shaped   | spindle-shaped        | long spindle-shaped   |
| <input type="checkbox"/> *Decorticated grain: colour                  | light brown           | variegated brown      | light brown           |
| <input type="checkbox"/> Endosperm: type                              | non-glutinous         | non-glutinous         | non-glutinous         |
| <input type="checkbox"/> Endosperm: content of amylose                | state 6               | state 6               | state 6               |
| <input type="checkbox"/> *Decorticated grain: aroma                   | absent or very weak   | absent or very weak   | absent or very weak   |

### **Characteristics Additional to the Descriptor/TG**

#### **Organ/Plant Part: Context**

|  | <b>‘VGR501’</b> | <b>‘VGR500’</b> | <b>‘VGR502’</b> |
|--|-----------------|-----------------|-----------------|
| <input checked="" type="checkbox"/> Grain: Glycemic Index (GI) | low             | low             | moderate        |

### **Statistical Table**

#### **Organ/Plant Part: Context**

|   | <b>‘VGR501’</b> | <b>‘VGR500’</b> | <b>‘VGR502’</b> |
|---|-----------------|-----------------|-----------------|
| <input checked="" type="checkbox"/> Plant: height (cm)        |                 |                 |                 |
| Mean  | 92.10           | 93.43           | 84.90           |
| Std. Deviation  | 1.24            | 1.77            | 3.61            |
| LSD/sig   | 4.06            | ns              | P≤0.01          |
| <input checked="" type="checkbox"/> Panicle: length (cm)      |                 |                 |                 |
| Mean  | 24.57           | 25.03           | 20.07           |
| Std. Deviation  | 0.72            | 0.76            | 0.69            |
| LSD/sig   | 1.37            | ns              | P≤0.01          |
| <input checked="" type="checkbox"/> Grain: length (mm)        |                 |                 |                 |
| Mean  | 8.54            | 9.12            | 8.17            |
| Std. Deviation  | 0.36            | 0.27            | 0.24            |
| LSD/sig   | 0.33            | P≤0.01          | P≤0.01          |
| <input checked="" type="checkbox"/> Grain: width (mm)         |                 |                 |                 |
| Mean  | 2.14            | 2.75            | 3.15            |
| Std. Deviation  | 0.13            | 0.28            | 0.24            |
| LSD/sig   | 0.25            | P≤0.01          | P≤0.01          |
| <input checked="" type="checkbox"/> Grain: weight of 1000 (g) |                 |                 |                 |
| Mean  | 22.2            | 25.6            | 25.2            |
| Std. Deviation  | 0.63            | 1.90            | 0.63            |
| LSD/sig   | 1.34            | P≤0.01          | P≤0.01          |

### **Prior Application and Sales**

Nil.

Description: **Abdul M. Chaudhury**, Vita Grain Pte Ltd.

**Details of Application**

|                           |                                      |
|---------------------------|--------------------------------------|
| <b>Application Number</b> | 2006/040                             |
| <b>Variety Name</b>       | 'Rockliz'                            |
| <b>Genus Species</b>      | <i>Rosa</i> hybrid                   |
| <b>Common Name</b>        | Rose                                 |
| <b>Synonym</b>            | Nil                                  |
| <b>Accepted Date</b>      | 24 Mar 2006                          |
| <b>Applicant</b>          | R T and B E Inverarity, Rocklyn, VIC |
| <b>Agent</b>              | N/A                                  |
| <b>Qualified Person</b>   | Brian Hanger                         |

**Details of Comparative Trial**

|                            |   |
|----------------------------|---|
| <b>Location</b>            | Portland, VIC   |
| <b>Descriptor</b>          | UPOV TG Rose ( <i>Rosa</i> hybrid) TG/11/8  |
| <b>Period</b>              | 2011  |
| <b>Conditions</b>          | Observations made at Portland, VIC, Australia (Latitude 38°15'S, Longitude 141 ° 37'E). The rose selection was maintained in the open and grown in a well structured loamy clay soil. Sound rose-farm management practices ensured the plants grew to their full potential with minimum stress and under high health conditions. 'Rockliz' was budded in early summer onto well established 10 month-old <i>Rosa multiflora</i> rootstock. Examination was conducted in mid autumn on one and two year old budded plants growing in double rows along with over one hundred other varieties of roses. |
| <b>Trial Design</b>        | Observations and measurements were taken in mid Autumn from a minimum of ten plants in full flower and selected at random.  |
| <b>Measurements</b>        | Measurements made on terminal leaflet of first five-leaflet leaf down flower stem, flower diameter taken when first fully open, and sepal length excluding leafy extension if present   |
| <b>RHS Chart - edition</b> | 1986 and 2007   |

**Origin and Breeding**

Seedling selection: 'Bonica'. Approx 13 years ago, mature hips were harvested from ten 'Bonica' plants. The seeds were extracted and planted into a well structured soil of pH 6. Approximately 200 seedlings were produced and grown on for a further three years to mature plants. One plant displayed outstanding features and produced white flowers. Pollen was collected from this plant and applied to flowers of 'Bonica'. The seeds produced were planted into fresh soil and yielded 70 seedlings. These seedlings were grown for two years and the candidate variety now known as 'Rockliz' was selected having outstanding characteristics. 'Rockliz' has been budded onto multiflora rootstock in many thousands and has shown to be genetically stable. Breeder: RT and BE Inverarity.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| Organ/Plant Part | Context      | State of Expression in Group of Varieties |
|------------------|--------------|---|
| Flower           | colour       | very light pink                           |
| Petal            | number       | medium to many                            |
| Plant            | growth habit | moderately spreading                      |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| Name     | Comments |
|----------|----------|
| 'Bonica' | Parent   |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety                              | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments |
|--------------------------------------|--------------------------------|--|---|----------|
| 'Apple blossom' (Flower Carpet Rose) | flower colour                  | light pink                               | very light pink                           |          |
| 'Apple blossom'                      | flower petal number            | greater than 50                          | 15 to 20                                  |          |
| 'The Fairy'                          | flower colour                  | very light pink                          | light pink                                |          |
| 'The Fairy'                          | flower petal number            | over 50                                  | 35 to 40                                  |          |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context  | 'Rockliz'            | 'Bonica'             |
|--|----------------------|----------------------|
| <input type="checkbox"/> *Plant: growth type   | bed                  | bed                  |
| <input type="checkbox"/> *Plant: growth habit (excluding varieties with growth type climber) | moderately spreading | moderately spreading |
| <input type="checkbox"/> Plant: height   | medium               | medium               |
| <input type="checkbox"/> Young shoot: anthocyanin colouration                                | present              | present              |
| <input type="checkbox"/> Young shoot: intensity of anthocyanin colouration                   | medium to strong     | medium to strong     |
| <input type="checkbox"/> Stem: number of prickles  | few to medium        | few to medium        |
| <input type="checkbox"/> Prickles: predominant colour  | reddish              | reddish              |
| <input type="checkbox"/> Leaf: size  | small to medium      | small to medium      |
| <input type="checkbox"/> Leaf: intensity of green colour                                     | medium to dark       | medium to dark       |
| <input type="checkbox"/> Leaf: anthocyanin colouration                                       | absent               | absent               |
| <input type="checkbox"/> *Leaf: glossiness of upper side                                     | absent or very weak  | absent or very weak  |
| <input type="checkbox"/> *Leaflet: undulation of margin                                      | medium to strong     | medium to strong     |
| <input type="checkbox"/> *Terminal leaflet: shape of blade                                   | ovate                | ovate                |
| <input type="checkbox"/> Terminal leaflet: shape of base of blade                            | obtuse               | obtuse               |
| <input type="checkbox"/> Terminal leaflet: shape of apex of blade                            | acuminate            | acuminate            |

|                                     |   |                     |                     |
|-------------------------------------|---|---------------------|---------------------|
| <input type="checkbox"/>            | Flowering shoot: flowering laterals   | present             | present             |
| <input type="checkbox"/>            | Flowering shoot: number of flowering laterals   | medium              | medium              |
| <input type="checkbox"/>            | Flowering shoot: number of flowers (varieties with no flowering laterals only)          | medium              | medium              |
| <input type="checkbox"/>            | Flowering shoot: number of flowers per lateral (varieties with flowering laterals only) | medium              | medium              |
| <input type="checkbox"/>            | Flower bud: shape in longitudinal section   | broad ovate         | broad ovate         |
| <input type="checkbox"/>            | *Flower: type   | double              | double              |
| <input type="checkbox"/>            | *Flower: number of petals   | medium to many      | medium to many      |
| <input type="checkbox"/>            | *Flower: colour group   | pink                | pink                |
| <input type="checkbox"/>            | Flower: colour of the centre  | pink                | pink                |
| <input type="checkbox"/>            | Flower: density of petals   | dense               | dense               |
| <input type="checkbox"/>            | *Flower: diameter   | medium              | medium              |
| <input type="checkbox"/>            | *Flower: shape  | irregularly rounded | irregularly rounded |
| <input type="checkbox"/>            | Flower: profile of upper part   | flattened convex    | flattened convex    |
| <input type="checkbox"/>            | *Flower: profile of lower part  | concave             | concave             |
| <input type="checkbox"/>            | Flower: fragrance   | absent or weak      | absent or weak      |
| <input type="checkbox"/>            | *Sepal: extensions  | weak                | weak                |
| <input type="checkbox"/>            | Petals: reflexing of petals one-by-one  | absent              | absent              |
| <input type="checkbox"/>            | *Petal: shape   | obovate             | obovate             |
| <input type="checkbox"/>            | Petal: incisions  | absent or very weak | absent or very weak |
| <input type="checkbox"/>            | Petal: reflexing of margin  | medium              | medium              |
| <input type="checkbox"/>            | Petal: undulation   | weak                | weak                |
| <input type="checkbox"/>            | *Petal: size  | small               | small               |
| <input type="checkbox"/>            | *Petal: length  | short               | short               |
| <input type="checkbox"/>            | *Petal: width   | narrow              | narrow              |
| <input type="checkbox"/>            | *Petal: number of colours on inner side   | one                 | one                 |
| <input type="checkbox"/>            | *Petal: intensity of colour   | even                | even                |
| <input checked="" type="checkbox"/> | *Petal: main colour on the inner side (RHS Colour Chart)                                | N155B               | 70D                 |
| <input type="checkbox"/>            | *Petal: basal spot on the inner side  | absent              | absent              |
| <input checked="" type="checkbox"/> | *Petal: main colour on the outer side (RHS Colour Chart)                                | N155B               | 73C                 |
| <input type="checkbox"/>            | Outer stamen: predominant colour of filament  | green               | green               |
| <input type="checkbox"/>            | Seed vessel: size   | small               | small               |



|                          |                                    |                |                |
|--------------------------|------------------------------------|----------------|----------------|
| <input type="checkbox"/> | Hip: shape in longitudinal section | pitcher-shaped | pitcher-shaped |
|--------------------------|------------------------------------|----------------|----------------|

**Prior Applications and Sales**

Nil

Description: **Dr Brian Hanger**, Watirna Mall, VIC.

**Details of Application**

|                           |   |
|---------------------------|---|
| <b>Application Number</b> | 2009/221  |
| <b>Variety Name</b>       | 'WEKcocbeb'                                     |
| <b>Genus Species</b>      | <i>Rosa</i> hybrid                              |
| <b>Common Name</b>        | Rose  |
| <b>Synonym</b>            | Topsy Turvy                                     |
| <b>Accepted Date</b>      | 13 Apr 2010                                     |
| <b>Applicant</b>          | Weeks Roses Ltd, Upland, CA, USA                |
| <b>Agent</b>              | Swane's Nurseries Australia Pty Ltd, Dural, NSW |
| <b>Qualified Person</b>   | Finbarr O'Leary                                 |

**Details of Comparative Trial**

|                            |  |
|----------------------------|--|
| <b>Location</b>            | Dural, NSW   |
| <b>Descriptor</b>          | Rose (new) ( <i>Rosa</i> ) TG/11/8.  |
| <b>Period</b>              | Jul 2009 – Nov 2011.   |
| <b>Conditions</b>          | Plants were budded on 'Dr Huey' roostock and raised in open beds.  |
| <b>Trial Design</b>        | Un-replicated rows with spacing of 0.75 metres between rows and plants. Approximately 15 – 20 plants per plot. |
| <b>Measurements</b>        | Observations made on 10 plants taken at random.  |
| <b>RHS Chart - edition</b> | 2007.  |

**Origin and Breeding**

Controlled pollination: 'Countess Celeste' × 'Betty Boop'. Pollen was applied to the seed parent. Seed from the seed parent was selected and germinated. Selection of a seedling from the seed source was then made. The variety was multiplied by budding from this seedling selection. No off types have been observed since the variety has been trialled. Selection criteria: Flower colour, disease resistance and plant growth habit. Propagation: vegetative. The seed parent is characterised by coral pink flower colour. The pollen parent is characterised by yellow edged red flower colour. Breeder: Tom Carruth, Weeks Wholesale Rose Grower, Inc., Upland, CA, USA

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>     | <b>State of Expression in Group of Varieties</b> |
|-------------------------|--------------------|--|
| Plant                   | growth type        | shrub  |
| Flower                  | colour group       | red blend  |
| Prickles                | Predominant colour | reddish  |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b> | <b>Comments</b> |
|-------------|-----------------|
| 'WEKplapic' |                 |

**Varieties of Common Knowledge identified and subsequently excluded**

| <b>Variety</b> | <b>Distinguishing Characteristics</b> | <b>State of Expression in Candidate Variety</b> | <b>State of Expression in Comparator Variety</b> | <b>Comments</b> |
|----------------|---------------------------------------|---|--|-----------------|
| 'Betty Boop'   | Flower Colour                         | red blend                                       | yellow edged red                                 |                 |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| <b>Organ/Plant Part: Context</b>   | <b>‘WEKcocheb’</b>   | <b>‘WEKplapic’</b>    |
|--|----------------------|-----------------------|
| <input type="checkbox"/> *Plant: growth type   | shrub                | shrub                 |
| <input checked="" type="checkbox"/> *Plant: growth habit (excluding varieties with growth type climber)          | moderately spreading | semi upright          |
| <input type="checkbox"/> Plant: height   | short to medium      | medium                |
| <input type="checkbox"/> Young shoot: anthocyanin colouration  | present              | present               |
| <input checked="" type="checkbox"/> Young shoot: intensity of anthocyanin colouration                            | medium to strong     | strong to very strong |
| <input checked="" type="checkbox"/> Stem: number of prickles   | many to very many    | few to medium         |
| <input type="checkbox"/> Prickles: predominant colour  | reddish              | reddish               |
| <input type="checkbox"/> Leaf: size  | small to medium      | medium to large       |
| <input type="checkbox"/> Leaf: intensity of green colour   | medium to dark       | medium                |
| <input type="checkbox"/> Leaf: anthocyanin colouration   | absent               | absent                |
| <input type="checkbox"/> *Leaf: glossiness of upper side   | medium to strong     | medium to strong      |
| <input type="checkbox"/> *Leaflet: undulation of margin  | weak                 | weak to medium        |
| <input type="checkbox"/> *Terminal leaflet: shape of blade   | ovate                | ovate                 |
| <input type="checkbox"/> Terminal leaflet: shape of base of blade  | obtuse               | obtuse                |
| <input type="checkbox"/> Terminal leaflet: shape of apex of blade  | acute                | acute                 |
| <input type="checkbox"/> Flowering shoot: flowering laterals   | present              | present               |
| <input type="checkbox"/> Flowering shoot: number of flowering laterals   | few                  | few to medium         |
| <input type="checkbox"/> Flowering shoot: number of flowers (varieties with no flowering laterals only)          | few to medium        |                       |
| <input type="checkbox"/> Flowering shoot: number of flowers per lateral (varieties with flowering laterals only) | few to medium        | few to medium         |
| <input checked="" type="checkbox"/> Flower bud: shape in longitudinal section                                    | elliptic             | medium ovate          |
| <input type="checkbox"/> *Flower: type   | semi-double          | semi-double           |
| <input type="checkbox"/> *Flower: number of petals   | few                  | few                   |
| <input type="checkbox"/> *Flower: colour group   | red blend            | red blend             |
| <input checked="" type="checkbox"/> Flower: colour of the centre   | red                  | yellow                |
| <input type="checkbox"/> Flower: density of petals   | very loose           | very loose            |
| <input type="checkbox"/> *Flower: diameter   | small to medium      | small to medium       |
| <input type="checkbox"/> *Flower: shape  | irregularly rounded  | irregularly rounded   |
| <input type="checkbox"/> Flower: profile of upper part   | convex               | flattened convex      |

|                                     |  |                     |                          |
|-------------------------------------|--|---------------------|--------------------------|
| <input checked="" type="checkbox"/> | *Flower: profile of lower part                           | flat                | concave                  |
| <input type="checkbox"/>            | Flower: fragrance  | absent or weak      | absent or weak           |
| <input type="checkbox"/>            | *Sepal: extensions                                       | absent or very weak | weak                     |
| <input type="checkbox"/>            | Petals: reflexing of petals one-by-one                   | absent              | absent                   |
| <input type="checkbox"/>            | *Petal: shape  | obovate             | obovate                  |
| <input type="checkbox"/>            | Petal: incisions   | weak                | weak                     |
| <input type="checkbox"/>            | Petal: reflexing of margin                               | weak                | weak to medium           |
| <input type="checkbox"/>            | Petal: undulation  | weak                | weak                     |
| <input type="checkbox"/>            | *Petal: size   | medium              | medium                   |
| <input type="checkbox"/>            | *Petal: length   | medium              | short to medium          |
| <input type="checkbox"/>            | *Petal: width  | medium to broad     | medium                   |
| <input type="checkbox"/>            | *Petal: number of colours on inner side                  | one                 | one                      |
| <input checked="" type="checkbox"/> | *Petal: intensity of colour                              | even                | lighter towards the base |
| <input checked="" type="checkbox"/> | *Petal: main colour on the inner side (RHS Colour Chart) | 46B                 | 40B, 50A                 |
| <input type="checkbox"/>            | *Petal: basal spot on the inner side                     | present             | present                  |
| <input type="checkbox"/>            | *Petal: size of basal spot on inner side                 | large               | large to very large      |
| <input checked="" type="checkbox"/> | *Petal: colour of basal spot on inner side               | white               | medium yellow            |
| <input type="checkbox"/>            | *Petal: main colour on the outer side (RHS Colour Chart) | 49C                 | 49C                      |
| <input checked="" type="checkbox"/> | Outer stamen: predominant colour of filament             | white               | medium yellow            |
| <input type="checkbox"/>            | Seed vessel: size  | small               | small                    |
| <input type="checkbox"/>            | Hip: shape in longitudinal section                       | pitcher-shaped      | pitcher-shaped           |
| <input type="checkbox"/>            | Hip: colour  | green               | green                    |

### **Prior Applications and Sales**

| <b>Country</b> | <b>Year</b> | <b>Current Status</b> | <b>Name Applied</b> |
|----------------|-------------|-----------------------|---------------------|
| USA            | 2006        | Granted               | 'WEKcobe'           |

First sold USA in December 2006 and in Australia in June 2009.

Description: **Finbarr O'Leary**, Dural, NSW.

**Details of Application**

|                           |   |
|---------------------------|---|
| <b>Application Number</b> | 2009/188  |
| <b>Variety Name</b>       | 'WEKbipsboul'                                   |
| <b>Genus Species</b>      | <i>Rosa</i> hybrid                              |
| <b>Common Name</b>        | Rose  |
| <b>Synonym</b>            | MyHero  |
| <b>Accepted Date</b>      | 09 Nov 2010                                     |
| <b>Applicant</b>          | Weeks Roses Ltd. Upland. CA, USA                |
| <b>Agent</b>              | Swane's Nurseries Australia Pty Ltd, Dural, NSW |
| <b>Qualified Person</b>   | Finbarr O'Leary                                 |

**Details of Comparative Trial**

|                            |  |
|----------------------------|--|
| <b>Location</b>            | Dural, NSW   |
| <b>Descriptor</b>          | Rose (new) ( <i>Rosa</i> ) TG/11/8.  |
| <b>Period</b>              | Jul 2009 – Nov 2011.   |
| <b>Conditions</b>          | Plants were budded on 'Dr Huey' roostock and raised in open beds.  |
| <b>Trial Design</b>        | Un-replicated rows with spacing of 0.75 metres between rows and plants. Approximately 15 – 20 plants per plot. |
| <b>Measurements</b>        | Observations made on 10 plants taken at random.  |
| <b>RHS Chart - edition</b> | 2007.  |

**Origin and Breeding**

Controlled pollination: 'STEBigpu' x 'unnamed seedling'. Pollen was applied to the seed parent. Seed from the seed parent was selected and germinated. Selection of a seedling from the seed source was then made. The variety was multiplied by budding from this seedling selection. No off types have been observed since the variety has been trialled. Selection criteria: Flower colour, disease resistance and plant growth habit. Propagation: vegetative. The seed parent is characterised by red/purple flower colour. The pollen parent is characterised by lavender blend flower colour. Breeder: Tom Carruth, Weeks Wholesale Rose Grower, Inc., Upland, CA, USA.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>          | <b>State of Expression in Group of Varieties</b> |
|-------------------------|-------------------------|--|
| Plant                   | growth type             | shrub  |
| Flower                  | colour group            | pink   |
| Young shoot             | anthocyanin colouration | medium to strong                                 |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b> | <b>Comments</b> |
|-------------|-----------------|
| 'STEBigpu'  |                 |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| <b>Organ/Plant Part: Context</b>   | <b>‘WEKbipsboul’</b> | <b>‘STEBigpu’</b>   |
|--|----------------------|---------------------|
| <input type="checkbox"/> *Plant: growth type   | shrub                | shrub               |
| <input checked="" type="checkbox"/> *Plant: growth habit (excluding varieties with growth type climber)          | intermediate         | upright             |
| <input type="checkbox"/> Plant: height   | medium to tall       | tall                |
| <input type="checkbox"/> Young shoot: anthocyanin colouration  | present              | present             |
| <input type="checkbox"/> Young shoot: intensity of anthocyanin colouration                                       | medium to strong     | medium to strong    |
| <input type="checkbox"/> Stem: number of prickles  | many                 | medium              |
| <input checked="" type="checkbox"/> Prickles: predominant colour   | reddish              | purplish            |
| <input type="checkbox"/> Leaf: size  | medium               | medium              |
| <input type="checkbox"/> Leaf: intensity of green colour   | medium               | medium to dark      |
| <input type="checkbox"/> Leaf: anthocyanin colouration   | absent               | absent              |
| <input type="checkbox"/> *Leaf: glossiness of upper side   | weak to medium       | medium              |
| <input type="checkbox"/> *Leaflet: undulation of margin  | absent or very weak  | absent or very weak |
| <input type="checkbox"/> *Terminal leaflet: shape of blade   | ovate                | ovate               |
| <input type="checkbox"/> Terminal leaflet: shape of base of blade  | rounded              | rounded             |
| <input type="checkbox"/> Terminal leaflet: shape of apex of blade  | acute                | acute               |
| <input checked="" type="checkbox"/> Flowering shoot: flowering laterals  | present              | absent              |
| <input checked="" type="checkbox"/> Flowering shoot: number of flowering laterals                                | few to medium        | very few            |
| <input type="checkbox"/> Flowering shoot: number of flowers per lateral (varieties with flowering laterals only) | few                  | very few            |
| <input type="checkbox"/> Flower bud: shape in longitudinal section   | medium ovate         | medium ovate        |
| <input type="checkbox"/> *Flower: type   | double               | double              |
| <input type="checkbox"/> *Flower: number of petals   | many                 | many to very many   |
| <input type="checkbox"/> *Flower: colour group   | pink                 | pink                |
| <input type="checkbox"/> Flower: colour of the centre  | pink                 | pink                |
| <input type="checkbox"/> Flower: density of petals   | medium               | medium to dense     |
| <input type="checkbox"/> *Flower: diameter   | medium to large      | large               |
| <input type="checkbox"/> *Flower: shape  | round                | irregularly rounded |
| <input type="checkbox"/> Flower: profile of upper part   | flat                 | flat                |
| <input type="checkbox"/> *Flower: profile of lower part  | flat                 | flattened convex    |

|                                     |  |                     |                     |
|-------------------------------------|--|---------------------|---------------------|
| <input type="checkbox"/>            | Flower: fragrance  | strong              | strong              |
| <input type="checkbox"/>            | *Sepal: extensions                                       | strong              | strong              |
| <input type="checkbox"/>            | Petals: reflexing of petals one-by-one                   | absent              | absent              |
| <input type="checkbox"/>            | *Petal: shape  | obovate             | obovate             |
| <input type="checkbox"/>            | Petal: incisions   | absent or very weak | absent or very weak |
| <input type="checkbox"/>            | Petal: reflexing of margin                               | weak to medium      | absent or very weak |
| <input type="checkbox"/>            | Petal: undulation  | absent or very weak | medium to strong    |
| <input type="checkbox"/>            | *Petal: size   | medium              | medium              |
| <input type="checkbox"/>            | *Petal: length   | medium              | medium              |
| <input type="checkbox"/>            | *Petal: width  | medium to broad     | medium to broad     |
| <input type="checkbox"/>            | *Petal: number of colours on inner side                  | one                 | one                 |
| <input type="checkbox"/>            | *Petal: intensity of colour                              | even                | even                |
| <input checked="" type="checkbox"/> | *Petal: main colour on the inner side (RHS Colour Chart) | 65D                 | N66A                |
| <input type="checkbox"/>            | *Petal: basal spot on the inner side                     | present             | present             |
| <input type="checkbox"/>            | *Petal: size of basal spot on inner side                 | small               | small               |
| <input type="checkbox"/>            | *Petal: colour of basal spot on inner side               | light yellow        | medium yellow       |
| <input checked="" type="checkbox"/> | *Petal: main colour on the outer side (RHS Colour Chart) | 65D                 | N66A                |
| <input type="checkbox"/>            | Outer stamen: predominant colour of filament             | medium yellow       | medium yellow       |
| <input type="checkbox"/>            | Seed vessel: size  | small to medium     | small to medium     |
| <input type="checkbox"/>            | Hip: shape in longitudinal section                       | pitcher-shaped      | pitcher-shaped      |
| <input type="checkbox"/>            | Hip: colour  | green               | green               |

### **Prior Applications and Sales**

First sold in Australia in August, 2008

Description: **Finbarr O'Leary**, Dural, NSW.

**Details of Application**

|                           |  |
|---------------------------|--|
| <b>Application Number</b> | 2009/183   |
| <b>Variety Name</b>       | 'WEKsmopur'                                      |
| <b>Genus Species</b>      | <i>Rosa</i> hybrid                               |
| <b>Common Name</b>        | Rose   |
| <b>Synonym</b>            | Ebb Tide   |
| <b>Accepted Date</b>      | 13 Apr 2010                                      |
| <b>Applicant</b>          | Weeks Roses Ltd, Upland, CA, USA                 |
| <b>Agent</b>              | Swane's Nurseries Australia Pty Ltd, Dural, NSW. |
| <b>Qualified Person</b>   | Finbarr O'Leary                                  |

**Details of Comparative Trial**

|                            |  |
|----------------------------|--|
| <b>Location</b>            | Dural, NSW   |
| <b>Descriptor</b>          | Rose (new) ( <i>Rosa</i> ) TG/11/8.  |
| <b>Period</b>              | Jul 2009 – Nov 2011.   |
| <b>Conditions</b>          | Plants were budded on 'Dr Huey' roostock and raised in open beds.  |
| <b>Trial Design</b>        | Un-replicated rows with spacing of 0.75 metres between rows and plants. Approximately 15 – 20 plants per plot. |
| <b>Measurements</b>        | Observations made on 10 plants taken at random.  |
| <b>RHS Chart - edition</b> | 2007.  |

**Origin and Breeding**

Controlled pollination: unnamed seedling x unnamed seedling. Pollen was applied to the seed parent. Seed from the seed parent was selected and germinated. Selection of a seedling from the seed source was then made. The variety was multiplied by budding from this seedling selection. No off types have been observed since the variety has been trialled. Selection criteria: Flower colour, disease resistance and plant growth habit. Propagation: vegetative. The seed parent is characterised by light purple pink flowers, matte foliage and medium petal count. The pollen parent is characterised by semi-double lavender coloured flowers with medium petal count. Breeder: Tom Carruth, Weeks Wholesale Rose Grower, Inc., Upland, CA, USA.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>                | <b>State of Expression in Group of Varieties</b> |
|-------------------------|-------------------------------|--|
| Plant                   | growth type                   | shrub  |
| Flower                  | colour group                  | purple   |
| Flower                  | main colour on the inner side | RHS 71 A   |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b> | <b>Comments</b> |
|-------------|-----------------|
| 'WEKfabpur' |                 |



**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context  | ‘WEKsmopur’         | ‘WEKfabpur’         |
|--|---------------------|---------------------|
| <input type="checkbox"/> *Plant: growth type   | shrub               | shrub               |
| <input type="checkbox"/> *Plant: growth habit (excluding varieties with growth type climber)                     | upright             | upright             |
| <input type="checkbox"/> Plant: height   | medium              | medium to tall      |
| <input checked="" type="checkbox"/> Young shoot: anthocyanin colouration   | present             | absent              |
| <input type="checkbox"/> Young shoot: intensity of anthocyanin colouration                                       | weak to medium      | -                   |
| <input type="checkbox"/> Stem: number of prickles  | medium              | absent or very few  |
| <input type="checkbox"/> Prickles: predominant colour  | reddish             | -                   |
| <input type="checkbox"/> Leaf: size  | medium to large     | medium              |
| <input checked="" type="checkbox"/> Leaf: intensity of green colour  | medium to dark      | light to medium     |
| <input type="checkbox"/> Leaf: anthocyanin colouration   | absent              | absent              |
| <input type="checkbox"/> *Leaf: glossiness of upper side   | medium to strong    | weak to medium      |
| <input type="checkbox"/> *Leaflet: undulation of margin  | weak to medium      | medium              |
| <input checked="" type="checkbox"/> *Terminal leaflet: shape of blade  | ovate               | medium elliptic     |
| <input checked="" type="checkbox"/> Terminal leaflet: shape of base of blade                                     | obtuse              | acute               |
| <input checked="" type="checkbox"/> Terminal leaflet: shape of apex of blade                                     | acuminate           | acute               |
| <input type="checkbox"/> Flowering shoot: flowering laterals   | present             | present             |
| <input type="checkbox"/> Flowering shoot: number of flowering laterals   | few                 | medium              |
| <input type="checkbox"/> Flowering shoot: number of flowers (varieties with no flowering laterals only)          | few to medium       | medium              |
| <input type="checkbox"/> Flowering shoot: number of flowers per lateral (varieties with flowering laterals only) | few to medium       | medium              |
| <input type="checkbox"/> Flower bud: shape in longitudinal section   | medium ovate        | medium ovate        |
| <input checked="" type="checkbox"/> *Flower: type  | double              | semi-double         |
| <input checked="" type="checkbox"/> *Flower: number of petals  | medium to many      | few to medium       |
| <input type="checkbox"/> *Flower: colour group   | purple              | purple              |
| <input type="checkbox"/> Flower: colour of the centre  | purple              | purple              |
| <input checked="" type="checkbox"/> Flower: density of petals  | medium to dense     | loose to medium     |
| <input type="checkbox"/> *Flower: diameter   | small to medium     | small to medium     |
| <input type="checkbox"/> *Flower: shape  | irregularly rounded | irregularly rounded |
| <input type="checkbox"/> Flower: profile of upper part   | flat                | flat                |

|                                     |  |                          |                          |
|-------------------------------------|--|--------------------------|--------------------------|
| <input type="checkbox"/>            | *Flower: profile of lower part                           | flattened convex         | flattened convex         |
| <input checked="" type="checkbox"/> | Flower: fragrance  | strong                   | absent or weak           |
| <input checked="" type="checkbox"/> | *Sepal: extensions                                       | strong                   | weak to medium           |
| <input type="checkbox"/>            | Petals: reflexing of petals one-by-one                   | absent                   | absent                   |
| <input type="checkbox"/>            | *Petal: shape  | obcordate                | obcordate                |
| <input type="checkbox"/>            | Petal: incisions   | weak                     | absent or very weak      |
| <input type="checkbox"/>            | Petal: reflexing of margin                               | medium                   | weak to medium           |
| <input type="checkbox"/>            | Petal: undulation  | absent or very weak      | absent or very weak      |
| <input type="checkbox"/>            | *Petal: size   | small to medium          | small to medium          |
| <input type="checkbox"/>            | *Petal: length   | short                    | very short to short      |
| <input type="checkbox"/>            | *Petal: width  | medium                   | medium                   |
| <input type="checkbox"/>            | *Petal: number of colours on inner side                  | one                      | one                      |
| <input type="checkbox"/>            | *Petal: intensity of colour                              | lighter towards the base | lighter towards the base |
| <input type="checkbox"/>            | *Petal: main colour on the inner side (RHS Colour Chart) | 71A                      | 71A                      |
| <input type="checkbox"/>            | *Petal: basal spot on the inner side                     | present                  | present                  |
| <input type="checkbox"/>            | *Petal: size of basal spot on inner side                 | small                    | medium                   |
| <input type="checkbox"/>            | *Petal: colour of basal spot on inner side               | medium yellow            | white                    |
| <input checked="" type="checkbox"/> | *Petal: main colour on the outer side (RHS Colour Chart) | 10B                      | 155C                     |
| <input checked="" type="checkbox"/> | Outer stamen: predominant colour of filament             | pink                     | light yellow             |
| <input type="checkbox"/>            | Hip: shape in longitudinal section                       | pitcher-shaped           | pitcher-shaped           |
| <input type="checkbox"/>            | Hip: colour  | green                    | green                    |

### **Prior Applications and Sales**

| <b>Country</b> | <b>Year</b> | <b>Current Status</b> | <b>Name Applied</b> |
|----------------|-------------|-----------------------|---------------------|
| USA            | 2006        | Granted               | 'WEKsmopur'         |

First sold USA in December 2006 and in Australia in August, 2008

Description: **Finbarr O'Leary**, Dural, NSW.

**Details of Application**

|                           |                                 |
|---------------------------|---------------------------------|
| <b>Application Number</b> | 2012/003                        |
| <b>Variety Name</b>       | 'Green Seaspray'                |
| <b>Genus Species</b>      | <i>Grevillea preissii</i>       |
| <b>Common Name</b>        | Spidernet Grevillea             |
| <b>Synonym</b>            | Nil                             |
| <b>Accepted Date</b>      | 02 Feb 2012                     |
| <b>Applicant</b>          | George A Lullfitz, Wanneroo, WA |
| <b>Agent</b>              | n/a                             |
| <b>Qualified Person</b>   | Peter Abell                     |

**Details of Comparative Trial**

|                            |  |
|----------------------------|--|
| <b>Location</b>            | Caporn street Wanneroo, WA.  |
| <b>Descriptor</b>          | PBR GREV (National Descriptor for <i>Grevillea</i> )   |
| <b>Period</b>              | August 2011 to January 2012  |
| <b>Conditions</b>          | Potted into 140mm containers and placed under overhead irrigation. The plants were rowed and blocked in full sun with limited influence from the surrounding environment. A single application of CRF fertiliser at potting lasted the trial period. |
| <b>Trial Design</b>        | Plants were potted and placed into single rows of candidate in one row with the comparator beside. There were 15 plants of each variety  |
| <b>Measurements</b>        | Observations were made on plants parts. The data taken reflects the characteristics of the candidate variety and how it differs from the most similar VCK.   |
| <b>RHS Chart - edition</b> | 2007   |

**Origin and Breeding**

Seedling selection: August 2009-Seedling selection of a dense low growing form from motherstock within a population of the species at Muchea WA. September 2009-Vegetative propagation from selection (generation 1). March 2010-Further testing based on the initial propagation and production responses. April 2010-Plants re-propagated (generation 2), potted and evaluated for habit and agronomic traits. July 2011-Propagation from this mother stock (generation 3). The variety 'Green Seaspray' demonstrates the characters for which it was selected. All generations were uniform and stable with no off types being observed. Breeder: George A. Lullfitz., Wanneroo, WA.

**Choice of Comparators**

Characteristic used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b> | <b>State of Expression in Group of Varieties</b> |
|-------------------------|----------------|--|
| Plant                   | type           | shrub  |
| Plant                   | width          | medium to broad                                  |
| Leaf                    | width          | narrow to medium                                 |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b>        | <b>Comments</b>   |
|--------------------|---|
| Compact green form | This variety was considered the closest due to the growth habit. Other varieties were excluded due to prostrate growth habit including other grey leaves forms. |

**Varieties of Common Knowledge identified above and subsequently excluded**

| Variety                   | Distinguishing Characteristic | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments  |
|---------------------------|-------------------------------|--|---|---|
| <i>Grevillea preissii</i> | Leaf: width of blade          | narrow                                   | wide                                      | This variety also has a lower degree of leaf hairiness and the growth habit is less dense |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context   | 'Green Seaspray'    | Compact green form |
|---|---------------------|--------------------|
| <input type="checkbox"/> Plant: type  | shrub               | shrub              |
| <input type="checkbox"/> Plant: growth habit                                    | spreading           | bushy              |
| <input checked="" type="checkbox"/> Plant: height                               | very short to short | short to medium    |
| <input type="checkbox"/> Plant: width   | medium to broad     | medium             |
| <input checked="" type="checkbox"/> Stem: degree of hairiness                   | medium              | absent or low      |
| <input type="checkbox"/> Stem: thorns, prickles, spines etc                     | absent              | absent             |
| <input type="checkbox"/> Stem: presence of hairs                                | present             | present            |
| <input checked="" type="checkbox"/> Stem: presence of anthocyanin in new growth | absent              | present            |
| <input type="checkbox"/> Leaf: leaf type  | simple              | simple             |
| <input type="checkbox"/> Leaf: size   | small to medium     | medium             |
| <input type="checkbox"/> Leaf: attitude   | semi-erect          | semi-erect         |
| <input type="checkbox"/> Leaf: arrangement                                      | alternate           | alternate          |
| <input checked="" type="checkbox"/> Leaf: length of blade                       | short               | medium             |
| <input type="checkbox"/> Leaf: width of blade                                   | narrow              | medium             |
| <input type="checkbox"/> Leaf: length of petiole                                | very short          | very short         |
| <input type="checkbox"/> Leaf: shape  | pinnatisect         | pinnatisect        |
| <input type="checkbox"/> Leaf: shape of apex                                    | mucronate           | mucronate          |
| <input type="checkbox"/> Leaf: shape of base                                    | attenuate           | attenuate          |
| <input type="checkbox"/> Leaf: incision of margin                               | absent              | absent             |
| <input type="checkbox"/> Leaf: undulation of the margin                         | very weak           | very weak          |
| <input type="checkbox"/> Leaf: shape of cross-section                           | concave             | concave            |
| <input type="checkbox"/> Leaf: curvature of longitudinal axis                   | straight            | straight           |
| <input type="checkbox"/> Leaf: glossiness of upper side                         | weak                | strong             |
| <input type="checkbox"/> Leaf: green colour                                     | light to medium     | light to medium    |
| <input type="checkbox"/> Leaf: presence of variegation                          | absent              | absent             |

**Characteristics Additional to the Descriptor/TG**

| <b>Organ/Plant Part: Context</b>               | <b>'Green Seaspray'</b> | <b>Compact green form</b> |
|--|-------------------------|---------------------------|
| <input type="checkbox"/> Leaf: number of lobes | 4-7                     | 3-5                       |

**Prior Applications and Sales**

Nil.

Description: **Peter Abell**, SPROCZ Pty Ltd, Bilpin, NSW.

**Details of Application**

|                           |                                 |
|---------------------------|---------------------------------|
| <b>Application Number</b> | 2010/197                        |
| <b>Variety Name</b>       | 'NPW3'                          |
| <b>Genus Species</b>      | <i>Lomandra longifolia</i>      |
| <b>Common Name</b>        | Spiny Headed Mat Rush           |
| <b>Synonym</b>            | Nil                             |
| <b>Accepted Date</b>      | 24 Nov 2010                     |
| <b>Applicant</b>          | Ozbreed Pty Ltd, Clarendon, NSW |
| <b>Agent</b>              | N/A                             |
| <b>Qualified Person</b>   | Peter Abell                     |

**Details of Comparative Trial**

|                            |  |
|----------------------------|--|
| <b>Location</b>            | Ozbreed, Cupitts Lane, Clarendon, NSW  |
| <b>Descriptor</b>          | National Descriptor for Lomandra (PBR LOMA)  |
| <b>Period</b>              | October 2011 to August 2012  |
| <b>Conditions</b>          | Full sun nursery with automatic overhead irrigation. Climatic conditions typical for the area near Windsor for the summer to winter period of the trial. Plants were potted into 140mm pots and fertilised with a single top dressing of controlled release fertiliser which lasted for the period of the trial. |
| <b>Trial Design</b>        | Two blocks each containing 12 plants of each of the candidate and nearest variety of common knowledge (VCK) 'LM300'. All plants were reproduced from divisions to unify the trial  |
| <b>Measurements</b>        | The data taken reflects the characteristics of the candidate variety and how it differs from the most similar VCK.   |
| <b>RHS Chart - edition</b> | 2007   |

**Origin and Breeding**

Spontaneous mutation: In 2005, a spontaneous sport from a single plant in a batch of 2000 tissue cultured plants of 'LM300'. The sport showed variegated foliage and was selected, divided and grown to stabilise the line. It has been stable through six cycles of vegetative propagation (division). Selection criteria: variegated leaf colour. Breeder: Philip Dowling, Mt. Gambier West, SA.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b> | <b>State of Expression in Group of Varieties</b> |
|-------------------------|----------------|--|
| Leaf                    | width          | very narrow                                      |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b> | <b>Comments</b>  |
|-------------|--|
| LM300       | This is the parent from which the original sport was derived. It is also the only variety of Lomandra with very narrow leaves. As such other variegated varieties were excluded due to leaf width. |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety  | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety |
|----------|--------------------------------|--|---|
| 'LMV100' | Leaf width                     | very narrow                              | broad                                     |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context  | 'NPW3'       | 'LM300'     |
|--|--------------|-------------|
| <input type="checkbox"/> Plant: growth habit                                       | semi-upright | upright     |
| <input type="checkbox"/> Plant: height of foliage                                  | short        | medium      |
| <input type="checkbox"/> Plant: density of foliage                                 | dense        | dense       |
| <input type="checkbox"/> Leaf: texture   | medium       | medium      |
| <input type="checkbox"/> Leaf: glaucosity  | weak         | weak        |
| <input type="checkbox"/> Leaf: rigidity  | weak         | medium      |
| <input type="checkbox"/> Leaf: length of blade                                     | short        | medium      |
| <input type="checkbox"/> Leaf: width of blade                                      | very narrow  | very narrow |
| <input type="checkbox"/> Leaf: cross section                                       | concave      | concave     |
| <input type="checkbox"/> Leaf: expression of middle apex                           | very weak    | very weak   |
| <input checked="" type="checkbox"/> Leaf: variegation                              | present      | absent      |
| <input type="checkbox"/> Leaf: primary colour (RHS colour chart)                   | 146A         | 146A        |
| <input checked="" type="checkbox"/> Leaf: colour of variegation (RHS Colour Chart) | 4A           | n/a         |
| <input type="checkbox"/> Basal sheath: margin shredding                            | medium       | medium      |
| <input type="checkbox"/> Basal sheath: colour                                      | dark brown   | dark brown  |
| <input type="checkbox"/> Inflorescence: degree of branching                        | weak         | weak        |
| <input checked="" type="checkbox"/> Inflorescence: length of floral axis           | short        | medium      |
| <input checked="" type="checkbox"/> Inflorescence: length of peduncle              | very short   | medium      |
| <input type="checkbox"/> Inflorescence: length of bract                            | medium       | medium      |
| <input type="checkbox"/> Inflorescence: position in relation foliage               | below        | below       |
| <input type="checkbox"/> Inflorescence: colour of peduncle (RHS colour chart)      | 166A         | 166A        |
| <input type="checkbox"/> Flower: colour of calyx (RHS colour chart)                | 166A         | 166A        |

**Prior Applications and Sales**

Nil.

Description: **Peter Abell**, SPROCZ Pty Ltd, Bilpin, NSW.

**Details of Application**

|                           |   |
|---------------------------|---|
| <b>Application Number</b> | 2010/184  |
| <b>Variety Name</b>       | 'DrisStrawSeventeen'                                  |
| <b>Genus Species</b>      | <i>Fragaria xananassa</i>                             |
| <b>Common Name</b>        | Strawberry  |
| <b>Synonym</b>            | Nil   |
| <b>Accepted Date</b>      | 12 Oct 2010   |
| <b>Applicant</b>          | Driscoll Strawberry Associates, Inc., California, USA |
| <b>Agent</b>              | Phillips Ormonde Fitzpatrick, Melbourne, VIC          |
| <b>Qualified Person</b>   | Margaret Zorin  |

**Details of Comparative Trial**

|                            |   |
|----------------------------|---|
| <b>Overseas Testing</b>    | US Patent & Trademark Office (USPTO)  |
| <b>Authority</b>           |   |
| <b>Overseas Data</b>       | PP22218   |
| <b>Reference Number</b>    |   |
| <b>Location</b>            | Ventura County, California USA  |
| <b>Descriptor</b>          | Strawberry (new) ( <i>Fragaria</i> ) TG/22/10   |
| <b>Period</b>              | 2005-2009   |
| <b>Conditions</b>          | Plants were asexually propagated using stolons and planted into raised beds where they were grown in full sunlight under standard commercial strawberry production conditions in Ventura County, California USA.  |
| <b>Trial Design</b>        | Plants were asexually propagated in a nursery in Shasta County, California USA in 2006. Plants of 'DrisStrawSeventeen'; 'DrisStrawThree'; and 'Camarillo' were planted in adjacent beds in Ventura County, California USA in 2006, 2007, 2008 and 2009. |
| <b>Measurements</b>        | Observations and measurements were taken from 4 month old plants against comparison varieties using UPOV guidelines and terminology. Colours are described using the Royal Horticultural Society (RHS) Colour Charts.                                   |
| <b>RHS Chart - edition</b> | 2001  |

**Origin and Breeding**

Controlled pollination: The new variety 'DrisStrawSeventeen' was originated as a seedling from a controlled cross pollination in 2005 of two unpatented breeding lines; female parent - 13H377 and male parent - 119J176. Selection criteria for the variety included consistent fruit shape, high yields, and good berry quality. The seedling was subsequently named 'DrisStrawSeventeen' and asexually propagated and tested in commercial strawberry fields in Ventura County, California USA from 2006-2009. Breeder: Michael D Ferguson, a member of Driscoll Strawberry Associates Inc. Watsonville, California USA.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>              | <b>State of Expression in Group of Varieties</b> |
|-------------------------|-----------------------------|--|
| Plant                   | density                     | medium to dense                                  |
| Flower                  | size                        | medium   |
| Petals                  | length in relation to width | equal  |



|        |                      |                                 |
|--------|----------------------|---------------------------------|
| Petals | arrangement          | overlapping                     |
| Fruit  | colour               | medium red to dark red          |
| Fruit  | adherence of calyx   | strong                          |
| Fruit  | glossiness           | medium                          |
| Fruit  | insertion of achenes | level with surface              |
| Plant  | type of bearing      | fully everbearing (day neutral) |

### **Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b>      | <b>Comments</b>  |
|------------------|--|
| ‘DrisStrawThree’ | USPTO Plant Patent PP19673 is a variety widely grown in the Ventura County California USA. |
| ‘Camarillo’      | USPTO Plant Patent PP14771 is a variety widely grown in Ventura County, California USA.    |

### **Varieties of Common Knowledge identified and subsequently excluded**

| <b>Variety</b> | <b>Distinguishing Characteristics</b> | <b>State of Expression in Candidate Variety</b> | <b>State of Expression in Comparator Variety</b> | <b>Comments</b>                       |
|----------------|---------------------------------------|---|--|---------------------------------------|
| ‘13H377’       | Plant size                            | larger  | smaller  | Unpatented proprietary breeding line. |
| ‘13H377’       | Fruit size                            | larger  | smaller  | Unpatented proprietary breeding line. |
| ‘13H377’       | Fruit yield                           | higher  | less than  | Unpatented proprietary breeding line. |
| ‘119J176’      | Plant everbearing habit               | strong  | weak   | Unpatented proprietary breeding line. |
| ‘119J176’      | Fruit size                            | larger  | smaller  | Unpatented proprietary breeding line. |
| ‘119J176’      | Fruit yield                           | higher  | less than  | Unpatented proprietary breeding line. |

### **Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| <b>Organ/Plant Part: Context</b>  | <b>‘DrisStrawSeventeen’</b> | <b>‘Camarillo’</b> | <b>‘DrisStrawThree’</b> |
|---|-----------------------------|--------------------|-------------------------|
| <input type="checkbox"/> *Plant: growth habit                                     | upright                     | semi-upright       | spreading               |
| <input type="checkbox"/> Plant: density of foliage                                | dense                       | medium to dense    | dense                   |
| <input type="checkbox"/> Plant: vigour  | very strong                 | strong             | strong                  |
| <input type="checkbox"/> *Plant: position of inflorescence in relation to foliage | beneath                     | above              | beneath                 |
| <input type="checkbox"/> *Plant: number of stolons                                | few                         | few to medium      | few to medium           |
| <input checked="" type="checkbox"/> Stolon: anthocyanin colouration               | medium                      | weak to medium     | strong                  |
| <input type="checkbox"/> Stolon: density of pubescence                            | medium                      | sparse             | sparse                  |
| <input type="checkbox"/> Leaf: size   | medium                      | medium             | small to medium         |
| <input checked="" type="checkbox"/> Leaf: colour of upper side                    | dark green                  | medium green       | light green             |
| <input type="checkbox"/> *Leaf: blistering  | medium                      | medium             | absent or weak          |
| <input type="checkbox"/> *Leaf: glossiness  | medium                      | absent or weak     | absent or weak          |

|                                     |   |                     |                              |                              |
|-------------------------------------|---|---------------------|------------------------------|------------------------------|
| <input type="checkbox"/>            | Leaf: variegation   | absent              | absent                       | absent                       |
| <input type="checkbox"/>            | *Terminal leaflet: length in relation to width            | equal               | shorter                      | equal                        |
| <input type="checkbox"/>            | *Terminal leaflet: shape of base                          | rounded             | rounded                      | obtuse                       |
| <input type="checkbox"/>            | Terminal leaflet: margin                                  | serrate to crenate  | not recorded                 | serrate                      |
| <input type="checkbox"/>            | Terminal leaflet: shape in cross section                  | concave             | concave                      | concave                      |
| <input type="checkbox"/>            | Petiole: length   | long to very long   | long                         | long                         |
| <input checked="" type="checkbox"/> | Petiole: attitude of hairs                                | upwards             | horizontal                   | slightly outwards            |
| <input type="checkbox"/>            | Stipule: anthocyanin colouration                          | weak                | not recorded                 | not recorded                 |
| <input checked="" type="checkbox"/> | Inflorescence: number of flowers                          | medium to many      | not recorded                 | few to medium                |
| <input type="checkbox"/>            | Pedicel: attitude of hairs                                | upwards             | not recorded                 | not recorded                 |
| <input type="checkbox"/>            | Flower: diameter  | medium              | medium                       | medium                       |
| <input type="checkbox"/>            | *Flower: arrangement of petals                            | overlapping         | overlapping                  | overlapping                  |
| <input type="checkbox"/>            | *Flower: size of calyx in relation to corolla             | same size           | smaller                      | larger                       |
| <input type="checkbox"/>            | *Flower: stamen   | present             | present                      | present                      |
| <input type="checkbox"/>            | Petal: length in relation to width                        | equal               | equal                        | equal                        |
| <input type="checkbox"/>            | *Petal: colour of upper side                              | white               | not recorded                 | not recorded                 |
| <input type="checkbox"/>            | *Fruit: length in relation to width                       | equal               | equal                        | moderately longer            |
| <input checked="" type="checkbox"/> | *Fruit: size  | very large          | medium                       | very large                   |
| <input checked="" type="checkbox"/> | *Fruit: shape   | wedged              | conical                      | cylindrical                  |
| <input type="checkbox"/>            | Fruit: difference in shape of terminal and other fruits   | none or very slight | none or very slight          | slight                       |
| <input type="checkbox"/>            | *Fruit: colour  | dark red            | medium red                   | medium red                   |
| <input type="checkbox"/>            | Fruit: evenness of colour                                 | slightly uneven     | even or very slightly uneven | strongly uneven              |
| <input type="checkbox"/>            | Fruit: glossiness   | medium              | medium                       | medium                       |
| <input checked="" type="checkbox"/> | Fruit: evenness of surface                                | strongly uneven     | even or very slightly uneven | even or very slightly uneven |
| <input type="checkbox"/>            | Fruit: width of band without achenes                      | narrow              | absent or very narrow        | narrow                       |
| <input type="checkbox"/>            | *Fruit: position of achenes                               | level with surface  | level with surface           | level with surface           |
| <input checked="" type="checkbox"/> | Fruit: position of calyx attachment                       | level with fruit    | level with fruit             | raised                       |
| <input type="checkbox"/>            | Fruit: attitude of sepals                                 | upwards             | upwards                      | upwards                      |
| <input checked="" type="checkbox"/> | Fruit: diameter of calyx in relation to diameter of fruit | slightly smaller    | same size                    | much smaller                 |

|                                     |   |             |                 |                 |
|-------------------------------------|---|-------------|-----------------|-----------------|
| <input type="checkbox"/>            | Fruit: adherence of calyx               | strong      | strong          | strong          |
| <input type="checkbox"/>            | Fruit: firmness                         | firm        | firm            | firm            |
| <input checked="" type="checkbox"/> | Fruit: colour of flesh (excluding core) | medium red  | light red       | orange red      |
| <input type="checkbox"/>            | Fruit: colour of core                   | white       | white           | white           |
| <input type="checkbox"/>            | Fruit: cavity                           | medium      | absent or small | absent or small |
| <input checked="" type="checkbox"/> | *Time of: beginning of flowering        | medium      | early           | early           |
| <input type="checkbox"/>            | Time of: beginning of fruit ripening    | medium      | medium          | early to medium |
| <input type="checkbox"/>            | *Type of: bearing                       | day neutral | day neutral     | day neutral     |

### **Prior Applications and Sales**

| <b>Country</b> | <b>Year</b> | <b>Current Status</b> | <b>Name Applied</b>  |
|----------------|-------------|-----------------------|----------------------|
| Morocco        | 2011        | Applied               | 'DrisStrawSeventeen' |
| EU             | 2010        | Applied               | 'DrisStrawSeventeen' |
| USA            | 2010        | Granted               | 'DrisStrawSeventeen' |

First sold in the USA in 2009.

Description: **Margaret Zorin** , Birkdale QLD

**Details of Application**

|                           |   |
|---------------------------|---|
| <b>Application Number</b> | 2011/046  |
| <b>Variety Name</b>       | 'Treasure Harvest'  |
| <b>Genus Species</b>      | <i>Fragaria xananassa</i>   |
| <b>Common Name</b>        | Strawberry  |
| <b>Synonym</b>            | Nil   |
| <b>Accepted Date</b>      | 04 May 2011   |
| <b>Applicant</b>          | Top Berries, LLC, Bradenton, Florida, USA   |
| <b>Agent</b>              | The State of Queensland acting through the Department of Agriculture, Fisheries and Forestry, Brisbane, QLD |
| <b>Qualified Person</b>   | Mark Herrington   |

**Details of Comparative Trial**

|                            |   |
|----------------------------|---|
| <b>Location</b>            | Maroochy Research Station, Nambour, QLD (26°37' South, 152°57' East, elevation 29m)   |
| <b>Descriptor</b>          | Strawberry ( <i>Fragaria</i> ) TG/22/10 Rev.  |
| <b>Period</b>              | May- Oct 2012   |
| <b>Conditions</b>          | Trial conducted in a non-fumigated field, runners from commercial sources in QLD runner growing district (Stanthorpe), second year black polythene mulch, double rows on beds (26 cm inter-row, 42 cm intra-row and 149 cm between bed centres), trickle irrigated and fertilised, pest and disease treatments applied as required. |
| <b>Trial Design</b>        | Planted in randomised complete block design with 4 blocks and 12 plants per plot, significance tested using F and t tests ignoring block effects.   |
| <b>Measurements</b>        | From twenty plants or fruit as five individual plants or harvested fruit randomly sampled per cultivar per block.   |
| <b>RHS Chart - edition</b> | 2007 and 1995   |

**Origin and Breeding**

Controlled pollination of seed parent 'Treasure' x pollen parent 'A4' at Naples, Florida, USA. The seed parent is characterised by attractive dark fruit colour. The pollen parent is a non-patented selection of J&P Research, characterised by large fruit size. Seeds were germinated in a glasshouse then transplanted to raised beds, where they fruited during the 2001-02 season. 'Treasure Harvest' was selected for its high yield and superior fruit quality and confirmed over the following years. Plants were further tested in 2005-7 on farms in Plant City, Florida and assessed for yield, fruit size, eating quality, appearance and disease resistance. Selection criteria: Yield, fruit size, fruit quality and disease resistance. Propagation: asexually propagated annually by runners since first selection in 2001-2002. No off-types have been observed with further test plantings. Treasure Harvest will be commercially propagated by runners and sometimes following tissue culture from virus indexed stock plants. Breeder: Dr Peggy Chang, J&P Research, Naples, Florida USA.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| Organ/Plant Part | Context                | State of Expression in Group of Varieties |
|------------------|------------------------|---|
| Plant            | growth habit           | semi-upright                              |
| Leaf             | blistering             | absent or weak                            |
| Flower           | arrangement of petals  | overlapping                               |
| Fruit            | shape                  | conical                                   |
| Fruit            | colour                 | dark red                                  |
| Time of          | beginning of flowering | medium                                    |
| Type of          | bearing                | partially remontant                       |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| Name       | Comments |
|------------|----------|
| 'Treasure' |          |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context   | 'Treasure Harvest' | 'Treasure'          |
|---|--------------------|---------------------|
| <input type="checkbox"/> *Plant: growth habit                                     | semi-upright       | semi-upright        |
| <input type="checkbox"/> Plant: density of foliage                                | medium             | medium              |
| <input type="checkbox"/> Plant: vigour  | medium             | medium              |
| <input type="checkbox"/> *Plant: position of inflorescence in relation to foliage | beneath            | beneath             |
| <input type="checkbox"/> Leaf: size   | medium             | medium              |
| <input type="checkbox"/> Leaf: colour of upper side                               | light green        | medium green        |
| <input type="checkbox"/> *Leaf: blistering  | absent or weak     | absent or weak      |
| <input type="checkbox"/> *Leaf: glossiness  | absent or weak     | absent or weak      |
| <input type="checkbox"/> Leaf: variegation  | absent             | absent              |
| <input type="checkbox"/> *Terminal leaflet:: length in relation to width          | moderately longer  | moderately longer   |
| <input type="checkbox"/> *Terminal leaflet: shape of base                         | obtuse             | acute               |
| <input type="checkbox"/> Terminal leaflet: margin                                 | crenate            | crenate             |
| <input type="checkbox"/> Terminal leaflet: shape in cross section                 | concave            | concave             |
| <input type="checkbox"/> Petiole: length  | medium             | medium              |
| <input type="checkbox"/> Petiole: attitude of hairs                               | horizontal         | horizontal          |
| <input type="checkbox"/> Stipule: anthocyanin colouration                         | weak               | absent or very weak |
| <input type="checkbox"/> Inflorescence: number of flowers                         | few                | few                 |
| <input type="checkbox"/> Pedicel: attitude of hairs                               | horizontal         | horizontal          |
| <input type="checkbox"/> Flower: diameter   | medium             | medium              |

|                                     |   |                              |                              |
|-------------------------------------|---|------------------------------|------------------------------|
| <input type="checkbox"/>            | *Flower: arrangement of petals                            | overlapping                  | overlapping                  |
| <input type="checkbox"/>            | *Flower: size of calyx in relation to corolla             | larger                       | larger                       |
| <input type="checkbox"/>            | *Flower: stamen   | present                      | present                      |
| <input type="checkbox"/>            | Petal: length in relation to width                        | equal                        | equal                        |
| <input type="checkbox"/>            | *Petal: colour of upper side                              | white                        | white                        |
| <input type="checkbox"/>            | *Fruit: length in relation to width                       | much longer                  | much longer                  |
| <input checked="" type="checkbox"/> | *Fruit: size  | medium                       | small                        |
| <input type="checkbox"/>            | *Fruit: shape   | conical                      | conical                      |
| <input type="checkbox"/>            | Fruit: difference in shape of terminal and other fruits   | none or very slight          | none or very slight          |
| <input type="checkbox"/>            | *Fruit: colour  | dark red                     | dark red                     |
| <input type="checkbox"/>            | Fruit: evenness of colour                                 | even or very slightly uneven | even or very slightly uneven |
| <input type="checkbox"/>            | Fruit: glossiness   | strong                       | strong                       |
| <input type="checkbox"/>            | Fruit: evenness of surface                                | even or very slightly uneven | even or very slightly uneven |
| <input type="checkbox"/>            | Fruit: width of band without achenes                      | absent or very narrow        | absent or very narrow        |
| <input type="checkbox"/>            | *Fruit: position of achenes                               | below surface                | below surface                |
| <input type="checkbox"/>            | Fruit: position of calyx attachment                       | level with fruit             | level with fruit             |
| <input type="checkbox"/>            | Fruit: attitude of sepals                                 | outwards                     | outwards                     |
| <input type="checkbox"/>            | Fruit: diameter of calyx in relation to diameter of fruit | much larger                  | much larger                  |
| <input type="checkbox"/>            | Fruit: adherence of calyx                                 | medium                       | medium                       |
| <input type="checkbox"/>            | Fruit: firmness   | very firm                    | very firm                    |
| <input type="checkbox"/>            | Fruit: colour of flesh (excluding core)                   | medium red                   | medium red                   |
| <input type="checkbox"/>            | Fruit: colour of core                                     | medium red                   | light red                    |
| <input type="checkbox"/>            | Fruit: cavity   | medium                       | medium                       |
| <input type="checkbox"/>            | *Time of: beginning of flowering                          | medium                       | medium                       |
| <input type="checkbox"/>            | Time of: beginning of fruit ripening                      | medium                       | medium to late               |
| <input type="checkbox"/>            | *Type of: bearing   | partially remontant          | partially remontant          |

### **Prior Applications and Sales**

| <b>Country</b> | <b>Year</b> | <b>Current Status</b> | <b>Name Applied</b> |
|----------------|-------------|-----------------------|---------------------|
| USA            | 2007        | Granted               | 'Treasure Harvest'  |

First sold in USA October 2008.

Description: **Mark Herrington**, Maroochy Research Station QLD.

**Details of Application**

|                           |   |
|---------------------------|---|
| <b>Application Number</b> | 2012/179  |
| <b>Variety Name</b>       | 'Sweet Ann'   |
| <b>Genus Species</b>      | <i>Fragaria xananassa</i>   |
| <b>Common Name</b>        | Strawberry  |
| <b>Synonym</b>            | Nil   |
| <b>Accepted Date</b>      | 15 Oct 2012   |
| <b>Applicant</b>          | Lassen Canyon Nursery, Inc, Redding, CA, USA  |
| <b>Agent</b>              | The State of Queensland acting through the Department of Agriculture, Forestry and Fisheries, Brisbane, QLD |
| <b>Qualified Person</b>   | Mark Herrington   |

**Details of Comparative Trial**

|                            |   |
|----------------------------|---|
| <b>Location</b>            | Maroochy Research Station, Nambour, QLD (26°37' South, 152°57' East, elevation 29m)   |
| <b>Descriptor</b>          | Strawberry (Fragaria) TG/22/10 Rev.   |
| <b>Period</b>              | June - Oct 2012   |
| <b>Conditions</b>          | Trial conducted in a non-fumigated field, runners from commercial sources in QLD and Victorian runner growing districts, second year black polythene mulch, double rows on beds (26 cm inter-row, 42 cm intra-row and 149 cm between bed centres), trickle irrigated and fertilised, pest and disease treatments applied as required. |
| <b>Trial Design</b>        | Planted in randomised complete block design with 4 blocks and 12 plants per plot, significance tested using F and t tests ignoring block effects.   |
| <b>Measurements</b>        | From twenty plants or fruit as five individual plants or harvested fruit randomly sampled per cultivar per block.   |
| <b>RHS Chart - edition</b> | 2007 and 1995   |

**Origin and Breeding**

Controlled pollination of seed parent '4A28' x pollen parent '10B131' in California, USA. Both parents are non-patented proprietary breeding lines of the Lassen Canyon Nursery/Bagdasarian breeding program. The seed parent is characterised by weak vigour. The pollen parent is characterised by dense foliage. The seeds resulting from this cross were germinated in a greenhouse at Redding, Calif., USA. The resulting seedlings were transplanted to an open field in Shastina, Calif. and allowed to produce daughter plants by asexual propagation (i.e. by runners). The seedlings were harvested and transplanted to Oxnard, Calif., where they were regularly observed in a breeding program plot and subjected to detailed evaluation. 'Sweet Ann' was selected from among various sibling genotypes as the 29th selection in 2007 and thus designated 16F29. Selection criteria: yield, fruit flavour, and appearance. Propagation: asexually propagated annually by runners since first selection in 2007. No off-types have been observed with further test plantings. Sweet Ann will be commercially propagated by runners from virus indexed stock plants. Breeder: Jimmy Bagdasarian Lassen Canyon Nursery.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b> | <b>State of Expression in Group of</b> |
|-------------------------|----------------|--|
|-------------------------|----------------|--|

|         |                        |  | Varieties       |
|---------|------------------------|--|-----------------|
| Plant   | growth habit           |  | semi-upright    |
| Leaf    | blistering             |  | absent or weak  |
| Flower  | arrangement of petals  |  | overlapping     |
| Fruit   | shape                  |  | conical         |
| Time of | beginning of flowering |  | medium          |
| Type of | bearing                |  | fully remontant |

### Most Similar Varieties of Common Knowledge identified (VCK)

| Name     | Comments |
|----------|----------|
| 'Albion' |          |

### Varieties of Common Knowledge identified and subsequently excluded

| Variety            | Distinguishing Characteristics |        | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments |
|--------------------|--------------------------------|--------|--|---|----------|
| 'Treasure Harvest' | fruit                          | size   | large                                    | medium                                    |          |
|                    | fruit                          | colour | orange red                               | dark red                                  |          |

### Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.

| Organ/Plant Part: Context   | 'Sweet Ann'       | 'Albion'       |
|---|-------------------|----------------|
| <input type="checkbox"/> *Plant: growth habit                                     | semi-upright      | semi-upright   |
| <input checked="" type="checkbox"/> Plant: density of foliage                     | medium            | sparse         |
| <input type="checkbox"/> Plant: vigour  | medium            | medium         |
| <input type="checkbox"/> *Plant: position of inflorescence in relation to foliage | same level        | beneath        |
| <input type="checkbox"/> Leaf: size   | large             | large          |
| <input type="checkbox"/> Leaf: colour of upper side                               | light green       | medium green   |
| <input type="checkbox"/> *Leaf: blistering  | absent or weak    | absent or weak |
| <input type="checkbox"/> *Leaf: glossiness  | absent or weak    | medium         |
| <input type="checkbox"/> Leaf: variegation  | absent            | absent         |
| <input type="checkbox"/> *Terminal leaflet:: length in relation to width          | moderately longer | equal          |
| <input type="checkbox"/> *Terminal leaflet: shape of base                         | acute             | obtuse         |
| <input type="checkbox"/> Terminal leaflet: margin                                 | crenate           | crenate        |
| <input type="checkbox"/> Terminal leaflet: shape in cross section                 | straight          | concave        |
| <input type="checkbox"/> Petiole: length  | medium            | medium         |
| <input checked="" type="checkbox"/> Petiole: attitude of hairs                    | upwards           | horizontal     |



|                                     |   |                              |                              |
|-------------------------------------|---|------------------------------|------------------------------|
| <input type="checkbox"/>            | Stipule: anthocyanin colouration                          | absent or very weak          | weak                         |
| <input checked="" type="checkbox"/> | Inflorescence: number of flowers                          | few                          | medium                       |
| <input type="checkbox"/>            | Pedice: attitude of hairs                                 | slightly outwards            | slightly outwards            |
| <input type="checkbox"/>            | Flower: diameter  | medium                       | medium                       |
| <input type="checkbox"/>            | *Flower: arrangement of petals                            | overlapping                  | overlapping                  |
| <input type="checkbox"/>            | *Flower: size of calyx in relation to corolla             | larger                       | larger                       |
| <input type="checkbox"/>            | *Flower: stamen   | present                      | present                      |
| <input type="checkbox"/>            | Petal: length in relation to width                        | equal                        | equal                        |
| <input type="checkbox"/>            | *Petal: colour of upper side                              | white                        | white                        |
| <input type="checkbox"/>            | *Fruit: length in relation to width                       | much longer                  | much longer                  |
| <input type="checkbox"/>            | *Fruit: size  | large                        | large                        |
| <input type="checkbox"/>            | *Fruit: shape   | conical                      | conical                      |
| <input type="checkbox"/>            | Fruit: difference in shape of terminal and other fruits   | none or very slight          | none or very slight          |
| <input type="checkbox"/>            | *Fruit: colour  | orange red                   | medium red                   |
| <input type="checkbox"/>            | Fruit: evenness of colour                                 | even or very slightly uneven | even or very slightly uneven |
| <input type="checkbox"/>            | Fruit: glossiness   | strong                       | strong                       |
| <input type="checkbox"/>            | Fruit: evenness of surface                                | even or very slightly uneven | even or very slightly uneven |
| <input type="checkbox"/>            | Fruit: width of band without achenes                      | absent or very narrow        | absent or very narrow        |
| <input type="checkbox"/>            | *Fruit: position of achenes                               | below surface                | below surface                |
| <input type="checkbox"/>            | Fruit: position of calyx attachment                       | level with fruit             | level with fruit             |
| <input type="checkbox"/>            | Fruit: attitude of sepals                                 | outwards                     | outwards                     |
| <input type="checkbox"/>            | Fruit: diameter of calyx in relation to diameter of fruit | much larger                  | slightly larger              |
| <input checked="" type="checkbox"/> | Fruit: adherence of calyx                                 | medium                       | strong                       |
| <input checked="" type="checkbox"/> | Fruit: firmness   | firm                         | medium                       |
| <input checked="" type="checkbox"/> | Fruit: colour of flesh (excluding core)                   | light pink                   | medium red                   |

|                          |                                      |                 |                 |
|--------------------------|--------------------------------------|-----------------|-----------------|
| <input type="checkbox"/> | Fruit: colour of core                | light red       | light red       |
| <input type="checkbox"/> | Fruit: cavity                        | absent or small | medium          |
| <input type="checkbox"/> | *Time of: beginning of flowering     | medium          | medium          |
| <input type="checkbox"/> | Time of: beginning of fruit ripening | medium          | medium          |
| <input type="checkbox"/> | *Type of: bearing                    | fully remontant | fully remontant |

### **Prior Applications and Sales**

| <b>Country</b> | <b>Year</b> | <b>Current Status</b> | <b>Name Applied</b> |
|----------------|-------------|-----------------------|---------------------|
| USA            | 2009        | Granted               | 'Sweet Ann'         |

First sold in USA October 2010.

Description: **Mark Herrington**, Maroochy Research Station QLD.

**Details of Application**

|                           |                                   |
|---------------------------|-----------------------------------|
| <b>Application Number</b> | 2011/166                          |
| <b>Variety Name</b>       | 'Q244'                            |
| <b>Genus Species</b>      | <i>Saccharum</i> hybrid           |
| <b>Common Name</b>        | Sugarcane                         |
| <b>Synonym</b>            | BSES244                           |
| <b>Accepted Date</b>      | 05 Sep 2011                       |
| <b>Applicant</b>          | BSES Limited, Indooroopilly, QLD. |
| <b>Agent</b>              | Nil                               |
| <b>Qualified Person</b>   | George Piperidis                  |

**Details of Comparative Trial**

|                            |  |
|----------------------------|--|
| <b>Location</b>            | 71378 Bruce Highway Meringa QLD  |
| <b>Descriptor</b>          | Sugarcane ( <i>Saccharum</i> ) TG/186/1  |
| <b>Period</b>              | Planted 2 June 2011; descriptions taken 23-24 April 2012   |
| <b>Conditions</b>          | Clones were propagated from vegetative cuttings and grown under field conditions. Trial site had been under grass fallow for 24 months and was prepared by zonal tillage with one rotary hoeing and two ripping in the plant zone. Planting material was generally good. Soil tilth and moisture were good at planting. Soil type: clay, Clifton series. Watering regime: rain fed. Chemicals: the fungicide Shirtan was applied at approximately 60ml per hectare at planting. The herbicide Soccer was applied to control weeds at hill up stage. The insecticide Talstar (150mL/ha) was applied to control wireworms. Fertiliser: DAP (100 kg/ha) was applied at planting 2/6/2012 and side-dressed at fill in stage with Nitra King S (294kg/ha) and Muriate of Potash (100kg/ha) Total nutrients: Nitrogen 98 kg/ha; Phosphorus 20kg/ha Potassium 98 kg/ha Sulphur 12kg/ha. |
| <b>Trial Design</b>        | Randomised Complete Block Design with three replicates. Plots were single row by 10m, with 1.5m between rows   |
| <b>Measurements</b>        | Taken from up to 10 stalks sampled randomly per plot.  |
| <b>RHS Chart - edition</b> | 2001   |

**Origin and Breeding**

Controlled pollination: The variety is the progeny of a controlled bi-parental cross made by BSES Limited between the seed parent 'CP75-1322' and the pollen parent 'Q170'. Seed was collected from the pollinated female inflorescences and stored for germination in 1998. The variety has since been evaluated and selected by BSES in yield trials on the Bundaberg Sugar Experiment Station and sites within the sugarcane growing area in the Southern and NSW regions. Standard commercial varieties were also included in the trials for comparative purposes. After an initial seedling stage (using seed from the cross), all subsequent stages have involved vegetative propagation. The variety has been grown through three stages of selection and was found to be uniform and stable. Breeder: BSES Limited.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| Organ/Plant Part | Context             | State of Expression in Group of Varieties |
|------------------|---------------------|---|
| Internode        | unexposed colour    | yellow-green                              |
| Internode        | shape               | cylindrical to concave-convex             |
| Node             | position of bud tip | intermediate                              |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| Name   | Comments |
|--------|----------|
| 'Q235' |          |
| 'Q242' |          |
| 'Q243' |          |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context   | 'Q244'   | 'Q235'  | 'Q242'  | 'Q243'  |
|---|--|---|---|---|
| <input checked="" type="checkbox"/> *Plant: adherence of leaf sheath                    | weak   | weak to medium  | medium to strong  | weak to medium  |
| <input type="checkbox"/> *Internode: shape  | cylindrical to concave-convex                      | concave-convex  | cylindrical to concave-convex   | cylindrical to concave-convex   |
| <input type="checkbox"/> Internode: cross-section                                       | ovate  | ovate   | circular  | circular  |
| <input type="checkbox"/> *Internode: colour where exposed to sun (RHS colour chart)     | Yellow-green N144A; 151A; 151B; Greyed-yellow 160A | Yellow-green 146D; 152A; 152B; Greyed-orange 166B; 173A; 174B | Yellow-green 145A; 146D; Greyed-orange 160A; 160B; 166B                   | Yellow-green N144A; 151C; 151D; 153D; Greyed-orange 160A                  |
| <input type="checkbox"/> *Internode: colour where not exposed to sun (RHS colour chart) | Yellow-green N144A; 151A; 151B                     | Yellow-green N144A; N144B; N144C; N144D; 144B; 144C; 145A     | Yellow-green N144A; N144B; 144A; 144B; 144C; 145A; 145B; 145C; 146D; 149D | Yellow-green N144C; N144D; 144A; 144B; 144C; 145A; 145B; 145C; 146D; 149D |
| <input checked="" type="checkbox"/> Internode: depth of growth crack                    | shallow  | absent or very shallow  | medium  | absent or very shallow  |
| <input checked="" type="checkbox"/> *Internode: expression of zigzag alignment          | moderate   | moderate to strong  | moderate to strong  | weak  |
| <input type="checkbox"/> Internode: waxiness  | very weak to weak                                  | very weak to weak   | weak  | weak  |
| <input type="checkbox"/> Node: wax ring   | medium   | medium  | narrow  | medium  |
| <input type="checkbox"/> *Node: shape of bud  | ovate  | triangular-pointed  | triangular-pointed and oval   | ovate   |
| <input type="checkbox"/> Node: bud prominence   | medium to strong                                   | weak to medium  | medium  | medium  |
| <input type="checkbox"/> Node: depth of bud groove                                      | medium   | shallow   | shallow to medium   | shallow   |

|                                     |  |                  |                    |                       |                  |
|-------------------------------------|--|------------------|--------------------|-----------------------|------------------|
| <input checked="" type="checkbox"/> | Node: length of bud groove                 | medium to long   | short              | medium                | medium           |
| <input type="checkbox"/>            | Node: bud tip in relation to growth ring   | intermediate     | intermediate       | intermediate          | intermediate     |
| <input checked="" type="checkbox"/> | Node: bud cushion                          | narrow           | medium             | absent or very narrow | medium           |
| <input type="checkbox"/>            | Node: width of bud wing                    | medium           | narrow to medium   | narrow                | narrow to medium |
| <input type="checkbox"/>            | Leaf sheath: number of hairs               | medium to many   | absent or very few | absent or very few    | very few to few  |
| <input type="checkbox"/>            | Leaf sheath: length of hairs               | medium           | short              |                       | short to medium  |
| <input type="checkbox"/>            | Leaf sheath: distribution of hairs         | only dorsal      | only dorsal        |                       | only dorsal      |
| <input type="checkbox"/>            | Leaf sheath: shape of ligule               | deltoid          | deltoid            | crescent-shaped       | deltoid          |
| <input type="checkbox"/>            | Leaf sheath: ligule width                  | wide             | medium to wide     | medium to wide        | wide             |
| <input checked="" type="checkbox"/> | Leaf sheath: length of ligule hairs        | short            | medium             | medium to long        | short to medium  |
| <input type="checkbox"/>            | Leaf sheath: density of ligule hairs       | sparse to medium | sparse to medium   | medium to dense       | medium           |
| <input type="checkbox"/>            | Leaf sheath: shape of underlapping auricle | lanceolate       | falcate            | transitional          | lanceolate       |
| <input checked="" type="checkbox"/> | Leaf sheath: size of underlapping auricle  | large            | small              | not applicable        | medium           |
| <input checked="" type="checkbox"/> | Leaf sheath: shape of overlapping auricle  | dentoid          | transitional       | transitional          | transitional     |
| <input type="checkbox"/>            | Leaf sheath: size of overlapping auricle   | small            | not applicable     | not applicable        | not applicable   |

### **Statistical Table**

| <b>Organ/Plant Part: Context</b>                                  | <b>‘Q244’</b> | <b>‘Q235’</b> | <b>‘Q242’</b> | <b>‘Q243’</b> |
|---|---------------|---------------|---------------|---------------|
| <input checked="" type="checkbox"/> Internode: length (cm)        |               |               |               |               |
| Mean  | 18.40         | 24.20         | 17.80         | 18.80         |
| Std. Deviation  | 1.80          | 2.50          | 4.60          | 2.40          |
| LSD/sig   | 1.9           | P≤0.01        | ns            | ns            |
| <input checked="" type="checkbox"/> Internode: diameter (mm)      |               |               |               |               |
| Mean  | 25.50         | 24.60         | 22.60         | 25.10         |
| Std. Deviation  | 1.50          | 3.00          | 2.20          | 2.60          |
| LSD/sig   | 2.2           | ns            | P≤0.01        | ns            |
| <input checked="" type="checkbox"/> Node: width of bud (mm)       |               |               |               |               |
| Mean  | 7.10          | 6.00          | 6.20          | 7.50          |
| Std. Deviation  | 0.50          | 0.50          | 0.80          | 1.10          |
| LSD/sig   | 1.0           | P≤0.01        | ns            | ns            |
| <input checked="" type="checkbox"/> Node: width of root band (mm) |               |               |               |               |

|                |       |      |        |       |
|----------------|-------|------|--------|-------|
| Mean           | 10.50 | 9.90 | 8.40   | 11.10 |
| Std. Deviation | 0.70  | 1.50 | 0.70   | 0.90  |
| LSD/sig        | 0.9   | ns   | P≤0.01 | ns    |

**Prior Applications and Sales****Nil**Description: **George Piperidis**, BSES Limited, Mackay, QLD.

**Details of Application**

|                           |                                   |
|---------------------------|-----------------------------------|
| <b>Application Number</b> | 2012/078                          |
| <b>Variety Name</b>       | 'Q249'                            |
| <b>Genus Species</b>      | <i>Saccharum</i> hybrid           |
| <b>Common Name</b>        | Sugarcane                         |
| <b>Synonym</b>            | BSES249                           |
| <b>Accepted Date</b>      | 02 May 2012                       |
| <b>Applicant</b>          | BSES Limited, Indooroopilly, QLD. |
| <b>Agent</b>              | N/A                               |
| <b>Qualified Person</b>   | George Piperidis                  |

**Details of Comparative Trial**

|                            |  |
|----------------------------|--|
| <b>Location</b>            | Bruce Highway Meringa QLD  |
| <b>Descriptor</b>          | Sugarcane ( <i>Saccharum</i> ) TG/186/1  |
| <b>Period</b>              | Planted 2 June 2011; descriptions taken 23-24 April 2012   |
| <b>Conditions</b>          | Clones were propagated from vegetative cuttings and grown under field conditions. Trial site was strategically tilled and spray fallowed December 2010 and planted with a cover crop of soybean legumes over the wet season. Land preparation was by zonal tillage only, with one rotary hoeing and two rippings in the plant zone. Planting material was generally good. Soil tilth and moisture were good at planting. Soil type: clay loam, Edmonton series. Watering regime: rainfed. Chemicals: the fungicide Shirtan was applied at approximately 60ml per hectare at planting. The herbicide Diurex(4kg/ha)was applied 23/12/2009 to control weeds. The insecticide Talstar (150mL/ha) was applied to control wireworms. Fertiliser: DAP (100 kg/ha) was applied at planting and side-dressed at 20/11/2009. Total nutrients: Nitrogen 116 kg/ha; Potassium 74 kg/ha. |
| <b>Trial Design</b>        | Randomised Complete Block Design with three replicates. Plots were single row by 10m, with 1.5m between rows   |
| <b>Measurements</b>        | Taken from up to 10 stalks sampled randomly per plot.  |
| <b>RHS Chart - edition</b> | 2001   |

**Origin and Breeding**

Controlled pollination: The variety is the progeny of a controlled biparental cross made by BSES Limited between the seed parent 'QC83-625' and the pollen parent 'QC90-289'. Seed was collected from the pollinated female inflorescences and stored for germination in 2002. The variety has since been evaluated and selected by BSES in yield trials on the Mackay Sugar Experiment Station and sites within the sugarcane growing area in the central region. Standard commercial varieties were also included in the trials for comparative purposes. After an initial seedling stage (using seed from the cross), all subsequent stages have involved vegetative propagation. The variety has been grown through three stages of selection and was found to be uniform and stable. Breeder: BSES Limited.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| Organ/Plant Part | Context       | State of Expression in Group of Varieties |
|------------------|---------------|---|
| Internode        | cross-section | circular                                  |
| Node             | shape of bud  | ovate                                     |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| Name   | Comments |
|--------|----------|
| 'Q96'  |          |
| 'Q200' |          |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments |
|---------|--------------------------------|--|---|----------|
| 'Q244'  | Leaf sheath                    | length of medium ligule hairs            | short                                     |          |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context   | 'Q249'   | 'Q200'   | 'Q96'  |
|---|--|--|--|
| <input type="checkbox"/> *Plant: adherence of leaf sheath                               | weak   | weak to medium   | weak   |
| <input checked="" type="checkbox"/> *Internode: shape                                   | slightly concave-convex  | conoidal   | bobbin-shaped to concave-convex                  |
| <input type="checkbox"/> Internode: cross-section                                       | circular   | circular   | circular   |
| <input type="checkbox"/> *Internode: colour where exposed to sun (RHS colour chart)     | Yellow-green 153A; 153B; Greyedf-orange 166A; 175A; 176A; 176B; 177A; 177B | Yellow-green 146C; 146D; 152A; 152D; Greyed-red 178A; 178B; 181A; 181B | Greyed-orange 166A; 173A; 174A; 175A; 177A; 177B |
| <input type="checkbox"/> *Internode: colour where not exposed to sun (RHS colour chart) | Purple N77C; Yellow-green N144B; 151B                                      | Yellow-green N144A; N144B; 144A; 151A; 152D; 153D                      | Yellow-green N144A; 151A; 152D                   |
| <input type="checkbox"/> Internode: depth of growth crack                               | absent or very shallow   | absent or very shallow   | absent or very shallow                           |
| <input type="checkbox"/> *Internode: expression of zigzag alignment                     | weak   | weak to moderate   | moderate   |
| <input type="checkbox"/> Internode: waxiness  | medium   | medium   | medium to strong                                 |
| <input type="checkbox"/> Node: wax ring   | medium   | medium to wide   | medium   |
| <input type="checkbox"/> *Node: shape of bud  | ovate  | ovate to triangular pointed  | ovate  |
| <input type="checkbox"/> Node: bud prominence   | medium to strong   | weak to medium   | weak to medium                                   |
| <input type="checkbox"/> Node: depth of bud groove                                      | shallow  | shallow  | shallow  |



|                                     |  |                 |                       |                       |
|-------------------------------------|--|-----------------|-----------------------|-----------------------|
| <input checked="" type="checkbox"/> | Node: length of bud groove                 | short           | medium to long        | medium to long        |
| <input type="checkbox"/>            | Node: bud tip in relation to growth ring   | intermediate    | clearly below         | clearly below         |
| <input type="checkbox"/>            | Node: bud cushion                          | narrow          | absent or very narrow | absent or very narrow |
| <input checked="" type="checkbox"/> | Node: width of bud wing                    | medium          | narrow                | medium                |
| <input checked="" type="checkbox"/> | Leaf sheath: number of hairs               | many            | few to medium         | few                   |
| <input type="checkbox"/>            | Leaf sheath: length of hairs               | medium to long  | short to medium       | medium                |
| <input type="checkbox"/>            | Leaf sheath: shape of ligule               | deltoid         | deltoid               | deltoid               |
| <input type="checkbox"/>            | Leaf sheath: ligule width                  | wide            | medium                | wide                  |
| <input type="checkbox"/>            | Leaf sheath: length of ligule hairs        | medium          | short to medium       | medium                |
| <input type="checkbox"/>            | Leaf sheath: density of ligule hairs       | medium to dense | medium to dense       | medium to dense       |
| <input checked="" type="checkbox"/> | Leaf sheath: shape of underlapping auricle | lanceolate      | deltoid               | deltoid               |
| <input type="checkbox"/>            | Leaf sheath: size of underlapping auricle  | small           | small                 | small                 |
| <input type="checkbox"/>            | Leaf sheath: shape of overlapping auricle  | transitional    | transitional          | transitional          |
| <input type="checkbox"/>            | Leaf sheath: size of overlapping auricle   | not applicable  | not applicable        | not applicable        |

### **Statistical Table**

| <b>Organ/Plant Part: Context</b>                             | <b>‘Q249’</b> | <b>‘Q200’</b> | <b>‘Q96’</b> |
|--|---------------|---------------|--------------|
| <input type="checkbox"/> Culm: height (cm)                   |               |               |              |
| Mean   | 338.20        | 327.70        | 360.30       |
| Std. Deviation   | 25.20         | 24.70         | 26.70        |
| LSD/sig  | 54.3          | ns            | ns           |
| <input type="checkbox"/> Internode: length (cm)              |               |               |              |
| Mean   | 18.10         | 20.00         | 19.90        |
| Std. Deviation   | 2.00          | 2.50          | 2.90         |
| LSD/sig  | 1.8           | ns            | ns           |
| <input checked="" type="checkbox"/> Internode: diameter (mm) |               |               |              |
| Mean   | 24.60         | 24.50         | 29.00        |
| Std. Deviation   | 2.40          | 2.00          | 3.20         |
| LSD/sig  | 2.2           | ns            | P≤0.01       |
| <input type="checkbox"/> Leaf blade: length (cm)             |               |               |              |
| Mean   | 153.00        | 138.70        | 159.50       |
| Std. Deviation   | 9.90          | 23.00         | 7.20         |
| LSD/sig  | 19.2          | ns            | ns           |
| <input checked="" type="checkbox"/> Leaf blade: width (mm)   |               |               |              |
| Mean   | 38.60         | 36.60         | 49.90        |

|  |        |        |        |
|--|--------|--------|--------|
| Std. Deviation   | 3.50   | 3.30   | 2.60   |
| LSD/sig  | 7.0    | ns     | P≤0.01 |
| <input type="checkbox"/> Leaf: midrib width (mm)             |        |        |        |
| Mean   | 2.70   | 2.40   | 3.70   |
| Std. Deviation   | 0.20   | 0.40   | 0.30   |
| LSD/sig  | 1.1    | ns     | ns     |
| <input checked="" type="checkbox"/> Leaf sheath: length (cm) |        |        |        |
| Mean   | 299.80 | 234.60 | 315.00 |
| Std. Deviation   | 12.40  | 18.40  | 23.60  |
| LSD/sig  | 38.8   | P≤0.01 | ns     |
| <input type="checkbox"/> Leaf: ratio leaf blade/midrib width |        |        |        |
| Mean   | 14.50  | 15.90  | 13.50  |
| Std. Deviation   | 1.20   | 2.60   | 0.80   |
| LSD/sig  | 4.4    | ns     | ns     |
| <input type="checkbox"/> Node: width of bud (mm)             |        |        |        |
| Mean   | 7.10   | 6.50   | 7.30   |
| Std. Deviation   | 0.80   | 0.80   | 0.90   |
| LSD/sig  | 1.0    | ns     | ns     |
| <input type="checkbox"/> Node: width of root band (mm)       |        |        |        |
| Mean   | 10.00  | 10.00  | 9.90   |
| Std. Deviation   | 1.00   | 0.80   | 1.00   |
| LSD/sig  | 0.9    | ns     | ns     |

### **Prior Applications and Sales**

Nil

Description: **George Piperidis**, BSES Limited, Mackay, QLD.

**Details of Application**

|                           |                                   |
|---------------------------|-----------------------------------|
| <b>Application Number</b> | 2012/081                          |
| <b>Variety Name</b>       | 'Q251'                            |
| <b>Genus Species</b>      | <i>Saccharum</i> hybrid           |
| <b>Common Name</b>        | Sugarcane                         |
| <b>Synonym</b>            | BSES251                           |
| <b>Accepted Date</b>      | 02 May 2012                       |
| <b>Applicant</b>          | BSES Limited, Indooroopilly, QLD. |
| <b>Agent</b>              | Nil                               |
| <b>Qualified Person</b>   | George Piperidis                  |

**Details of Comparative Trial**

|                            |  |
|----------------------------|--|
| <b>Location</b>            | 71378 Bruce Highway Meringa QLD  |
| <b>Descriptor</b>          | Sugarcane ( <i>Saccharum</i> ) TG/186/1  |
| <b>Period</b>              | Planted 2 June 2011; descriptions taken 23-24 April 2012   |
| <b>Conditions</b>          | Clones were propagated from vegetative cuttings and grown under field conditions. Trial site was strategically tilled and spray fallowed December 2010 and planted with a cover crop of soybean legumes over the wet season. Land preparation was by zonal tillage only, with one rotary hoeing and two rippings in the plant zone. Planting material was generally good. Soil tilth and moisture were good at planting. Soil type: clay loam, Edmonton series. Watering regime: rainfed. Chemicals: the fungicide Shirtan was applied at approximately 60ml per hectare at planting. The herbicide Diurex(4kg/ha)was applied 23/12/2009 to control weeds. The insecticide Talstar (150mL/ha) was applied to control wireworms. Fertiliser: DAP (100 kg/ha) was applied at planting and side-dressed at 20/11/2009. Total nutrients: Nitrogen 116 kg/ha; Potassium 74 kg/ha. |
| <b>Trial Design</b>        | Randomised Complete Block Design with three replicates. Plots were single row by 10m, with 1.5m between rows.  |
| <b>Measurements</b>        | Taken from up to 10 stalks sampled randomly per plot.  |
| <b>RHS Chart - edition</b> | 2001   |

**Origin and Breeding**

Controlled pollination: The variety is the progeny of a controlled biparental cross made by BSES Limited between the seed parent 'QN81-289' and the pollen parent 'Q209'. Seed was collected from the pollinated female inflorescences and stored for germination in 2001. The variety has since been evaluated and selected by BSES in yield trials on the Meringa Sugar Experiment Station and sites within the sugarcane growing area in the northern region. Standard commercial varieties were also included in the trials for comparative purposes. After an initial seedling stage (using seed from the cross), all subsequent stages have involved vegetative propagation. The variety has been grown through three stages of selection and was found to be uniform and stable. Breeder: BSES Limited.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| Organ/Plant Part | Context          | State of Expression in Group of Varieties |
|------------------|------------------|---|
| Internode        | unexposed colour | yellow-green                              |
| Node             | bud groove depth | absent or very shallow                    |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| Name   | Comments |
|--------|----------|
| 'Q183' |          |
| 'Q186' |          |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments |
|---------|--------------------------------|--|---|----------|
| 'Q244'  | Node wax ring                  | narrow                                   | medium                                    |          |
| 'Q249'  | Node shape of bud              | round                                    | ovate                                     |          |
| 'Q250'  | Internode shape                | cylindrical                              | concave-convex                            |          |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context   | 'Q251'  | 'Q183'   | 'Q186'  |
|---|---|--|---|
| <input type="checkbox"/> *Plant: adherence of leaf sheath                               | weak  | weak   | medium  |
| <input type="checkbox"/> *Internode: shape  | cylindrical   | concave-convex   | bobbin-shaped to concave-convex                         |
| <input type="checkbox"/> Internode: cross-section                                       | circular  | circular   | ovate   |
| <input type="checkbox"/> *Internode: colour where exposed to sun (RHS colour chart)     | Yellow-green 152A; 152B; Greyed-orange 166B; 174A; 174B; 176A | Yellow-green N144A; Greyed-orange 172A; 174B; 176B; 176C | Yellow-green 146D; 152C; 152D; 153A; Greyed-orange 166A |
| <input type="checkbox"/> *Internode: colour where not exposed to sun (RHS colour chart) | Yellow-green N144D; 144A; 145B; 151A                          | Yellow-green N144D; 144A; 144B; 145A; 146D               | Yellow-green N144A; 144B; 145A; 145B; 146D              |
| <input type="checkbox"/> Internode: depth of growth crack                               | absent or very shallow  | shallow to medium  | absent or very shallow                                  |
| <input type="checkbox"/> *Internode: expression of zigzag alignment                     | weak  | moderate   | weak to moderate  |
| <input type="checkbox"/> Internode: waxiness  | medium  | weak to medium   | weak to medium  |
| <input type="checkbox"/> Node: wax ring   | narrow  | medium   | narrow to medium  |
| <input type="checkbox"/> *Node: shape of bud  | round   | ovate  | ovate   |
| <input type="checkbox"/> Node: bud prominence   | medium to strong  | weak to medium   | weak to medium  |

|                                     |  |                        |                        |                        |
|-------------------------------------|--|------------------------|------------------------|------------------------|
| <input type="checkbox"/>            | Node: depth of bud groove                  | absent or very shallow | absent or very shallow | absent or very shallow |
| <input checked="" type="checkbox"/> | Node: bud tip in relation to growth ring   | clearly below          | intermediate           | intermediate           |
| <input checked="" type="checkbox"/> | Node: bud cushion                          | medium                 | narrow to medium       | absent or very narrow  |
| <input type="checkbox"/>            | Node: width of bud wing                    | narrow to medium       | narrow to medium       | narrow                 |
| <input checked="" type="checkbox"/> | Leaf sheath: number of hairs               | medium to many         | very few to few        | absent or very few     |
| <input type="checkbox"/>            | Leaf sheath: length of hairs               | medium                 | short to medium        | short                  |
| <input type="checkbox"/>            | Leaf sheath: shape of ligule               | deltoid                | deltoid                | crescent-shaped        |
| <input type="checkbox"/>            | Leaf sheath: ligule width                  | wide                   | medium to wide         | medium                 |
| <input checked="" type="checkbox"/> | Leaf sheath: length of ligule hairs        | medium to long         | medium                 | short                  |
| <input checked="" type="checkbox"/> | Leaf sheath: density of ligule hairs       | dense                  | medium to dense        | sparse to medium       |
| <input checked="" type="checkbox"/> | Leaf sheath: shape of underlapping auricle | lanceolate             | transitional           | deltoid and falcate    |
| <input type="checkbox"/>            | Leaf sheath: size of underlapping auricle  | medium to large        | not applicable         | small                  |
| <input type="checkbox"/>            | Leaf sheath: shape of overlapping auricle  | deltoid                | transitional           | transitional           |
| <input type="checkbox"/>            | Leaf sheath: size of overlapping auricle   | medium                 | not applicable         | not applicable         |

### **Statistical Table**

| <b>Organ/Plant Part: Context</b>                             | <b>‘Q251’</b> | <b>‘Q183’</b> | <b>‘Q186’</b> |
|--|---------------|---------------|---------------|
| <input checked="" type="checkbox"/> Internode: diameter (mm) |               |               |               |
| Mean   | 30.50         | 29.00         | 25.70         |
| Std. Deviation   | 2.60          | 3.50          | 2.50          |
| LSD/sig  | 2.2           | ns            | P≤0.01        |
| <input checked="" type="checkbox"/> Leaf blade: length (cm)  |               |               |               |
| Mean   | 150.70        | 150.80        | 124.50        |
| Std. Deviation   | 8.30          | 11.00         | 6.60          |
| LSD/sig  | 19.2          | ns            | P≤0.01        |
| <input checked="" type="checkbox"/> Leaf blade: width (mm)   |               |               |               |
| Mean   | 47.60         | 44.30         | 37.60         |
| Std. Deviation   | 4.20          | 5.80          | 2.70          |
| LSD/sig  | 7.0           | ns            | P≤0.01        |
| <input checked="" type="checkbox"/> Leaf sheath: length (cm) |               |               |               |
| Mean   | 243.80        | 296.70        | 231.10        |

|   |       |        |        |
|---|-------|--------|--------|
| Std. Deviation  | 13.90 | 19.40  | 12.50  |
| LSD/sig   | 38.8  | P≤0.01 | ns     |
| <input checked="" type="checkbox"/> Node: width of bud (mm)       |       |        |        |
| Mean  | 7.70  | 7.50   | 5.90   |
| Std. Deviation  | 0.90  | 0.80   | 0.80   |
| LSD/sig   | 1.0   | ns     | P≤0.01 |
| <input checked="" type="checkbox"/> Node: width of root band (mm) |       |        |        |
| Mean  | 12.40 | 10.80  | 8.80   |
| Std. Deviation  | 0.80  | 0.80   | 1.20   |
| LSD/sig   | 0.9   | P≤0.01 | P≤0.01 |

### **Prior Applications and Sales**

Nil

Description: **George Piperidis**, BSES Limited, Mackay, QLD.

**Details of Application**

|                           |                                   |
|---------------------------|-----------------------------------|
| <b>Application Number</b> | 2012/080                          |
| <b>Variety Name</b>       | 'Q250'                            |
| <b>Genus Species</b>      | <i>Saccharum</i> hybrid           |
| <b>Common Name</b>        | Sugarcane                         |
| <b>Synonym</b>            | BSES250                           |
| <b>Accepted Date</b>      | 02 May 2012                       |
| <b>Applicant</b>          | BSES Limited, Indooroopilly, QLD. |
| <b>Agent</b>              | N/A                               |
| <b>Qualified Person</b>   | George Piperidis                  |

**Details of Comparative Trial**

|                            |  |
|----------------------------|--|
| <b>Location</b>            | 71378 Bruce Highway Meringa QLD  |
| <b>Descriptor</b>          | Sugarcane ( <i>Saccharum</i> ) TG/186/1  |
| <b>Period</b>              | Planted 2 June 2011; descriptions taken 23-24 April 2012   |
| <b>Conditions</b>          | Clones were propagated from vegetative cuttings and grown under field conditions. Trial site was strategically tilled and spray fallowed December 2010 and planted with a cover crop of soybean legumes over the wet season. Land preparation was by zonal tillage only, with one rotary hoeing and two rippings in the plant zone. Planting material was generally good. Soil tilth and moisture were good at planting. Soil type: clay loam, Edmonton series. Watering regime: rainfed. Chemicals: the fungicide Shirlan was applied at approximately 60ml per hectare at planting. The herbicide Diurex(4kg/ha)was applied 23/12/2009 to control weeds. The insecticide Talstar (150mL/ha) was applied to control wireworms. Fertiliser: DAP (100 kg/ha) was applied at planting and side-dressed at 20/11/2009. Total nutrients: Nitrogen 116 kg/ha; Potassium 74 kg/ha. |
| <b>Trial Design</b>        | Randomised Complete Block Design with three replicates. Plots were single row by 10m, with 1.5m between rows.  |
| <b>Measurements</b>        | Taken from up to 10 stalks sampled randomly per plot.  |
| <b>RHS Chart - edition</b> | 2001   |

**Origin and Breeding**

Controlled pollination: The variety is the progeny of a controlled biparental cross made by BSES Limited between the seed parent 'QN79-183' and the pollen parent 'QN89-1043'. Seed was collected from the pollinated female inflorescences and stored for germination in 2000. The variety has since been evaluated and selected by BSES in yield trials on the Meringa Sugar Experiment Station and sites within the sugarcane growing area in the northern region. Standard commercial varieties were also included in the trials for comparative purposes. After an initial seedling stage (using seed from the cross), all subsequent stages have involved vegetative propagation. The variety has been grown through three stages of selection and was found to be uniform and stable. Breeder: BSES Limited.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| Organ/Plant Part | Context                      | State of Expression in Group of Varieties |
|------------------|------------------------------|---|
| Internode        | unexposed colour             | yellow-green                              |
| Leaf sheath      | size of underlapping auricle | small                                     |
| Leaf sheath      | shape of overlapping auricle | transitional                              |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| Name   | Comments |
|--------|----------|
| 'Q230' |          |
| 'Q232' |          |
| 'Q241' |          |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments |
|---------|--------------------------------|--|---|----------|
| 'Q244'  | Node shape of bud round        |  | ovate                                     |          |
| 'Q249'  | Node shape of bud round        |  | ovate                                     |          |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context   | 'Q250'                               | 'Q230'   | 'Q232'  | 'Q241'  |
|---|--------------------------------------|--|---|---|
| <input type="checkbox"/> *Plant: adherence of leaf sheath                               | weak to medium                       | medium   | weak to medium  | weak to medium  |
| <input type="checkbox"/> *Internode: shape  | slightly concave-convex              | cylindrical to concave-convex                          | slightly concave-convex                                 | slightly concave-convex   |
| <input type="checkbox"/> Internode: cross-section                                       | circular                             | circular   | ovate   | circular  |
| <input type="checkbox"/> *Internode: colour where exposed to sun (RHS colour chart)     | Yellow-green N144D; 145A; 146D       | Greyed-yellow 160A; Greyed-orange 174C; 174D           | Yellow-green 145B; 146C; 146D; 154A; Greyed-orange 174D | Yellow-green 149D; 151D; 152D; Greyed-yellow 160A; Greyed-orange 173A; 174A; 176A; 176B |
| <input type="checkbox"/> *Internode: colour where not exposed to sun (RHS colour chart) | Yellow-green N144D; 145C; 145D; 146D | Yellow-green N144D; 144A; 144B; 144C; 151A; 153C; 153D | Yellow-green N144A, N144D, 145A; 145B; 150D; 151C, 151D | Yellow-green N144A; 150D; 151A; 151B; 151C  |
| <input type="checkbox"/> Internode: depth of growth crack                               | absent or very shallow               | very shallow to shallow                                | absent or very shallow                                  | very shallow to shallow   |
| <input type="checkbox"/> *Internode: expression of zigzag alignment                     | moderate                             | moderate   | moderate  | weak  |
| <input type="checkbox"/> Internode: waxiness  | very weak to                         | weak to medium   | very weak to  | weak  |



|  |                        |                        |                    |                        |
|--|------------------------|------------------------|--------------------|------------------------|
|  | weak                   |                        | weak               |                        |
| <input type="checkbox"/> Node: wax ring  | narrow                 | medium                 | medium             | narrow                 |
| <input type="checkbox"/> *Node: shape of bud                                   | round                  | round                  | ovate              | oval                   |
| <input type="checkbox"/> Node: bud prominence                                  | medium to strong       | medium                 | medium             | medium to strong       |
| <input checked="" type="checkbox"/> Node: depth of bud groove                  | absent or very shallow | absent or very shallow | medium             | absent or very shallow |
| <input checked="" type="checkbox"/> Node: bud tip in relation to growth ring   | clearly below          | clearly below          | intermediate       | intermediate           |
| <input type="checkbox"/> Node: bud cushion                                     | very narrow to narrow  | absent or very narrow  | narrow to medium   | narrow                 |
| <input checked="" type="checkbox"/> Node: width of bud wing                    | medium to wide         | narrow                 | medium             | medium                 |
| <input checked="" type="checkbox"/> Leaf sheath: number of hairs               | absent or very few     | many                   | absent or very few | few                    |
| <input type="checkbox"/> Leaf sheath: length of hairs                          | short                  | medium                 |                    | short to medium        |
| <input type="checkbox"/> Leaf sheath: distribution of hairs                    | only dorsal            | only dorsal            |                    | only dorsal            |
| <input type="checkbox"/> Leaf sheath: shape of ligule                          | deltoid                | deltoid                | deltoid            | crescent-shaped        |
| <input type="checkbox"/> Leaf sheath: ligule width                             | wide                   | medium to wide         | medium             | medium                 |
| <input type="checkbox"/> Leaf sheath: length of ligule hairs                   | medium                 | short to medium        | short to medium    | medium                 |
| <input type="checkbox"/> Leaf sheath: density of ligule hairs                  | medium to dense        | sparse to medium       | medium             | medium                 |
| <input checked="" type="checkbox"/> Leaf sheath: shape of underlapping auricle | deltoid                | lanceolate             | falcate            | deltoid                |
| <input type="checkbox"/> Leaf sheath: size of underlapping auricle             | small                  | small to medium        | small              | small                  |
| <input type="checkbox"/> Leaf sheath: shape of overlapping auricle             | transitional           | transitional           | transitional       | transitional           |
| <input type="checkbox"/> Leaf sheath: size of overlapping auricle              | not applicable         | not applicable         | not applicable     | not applicable         |

### Statistical Table

| Organ/Plant Part: Context                                   | 'Q250' | 'Q230' | 'Q232' | 'Q241' |
|---|--------|--------|--------|--------|
| <input type="checkbox"/> Culm: height (cm)                  |        |        |        |        |
| Mean  | 360.20 | 282.80 |        | 334.70 |
| Std. Deviation  | 16.30  | 30.40  |        | 24.70  |
| LSD/sig   | 54.3   | P≤0.01 |        | ns     |
| <input checked="" type="checkbox"/> Internode: length (mm)  |        |        |        |        |
| Mean  | 18.10  | 20.70  | 20.50  | 20.00  |
| Std. Deviation  | 2.10   | 2.90   | 2.10   | 3.80   |
| LSD/sig   | 1.8    | P≤0.01 | P≤.01  | ns     |
| <input checked="" type="checkbox"/> Node: width of bud (mm) |        |        |        |        |

|  |       |        |        |       |
|--|-------|--------|--------|-------|
| Mean   | 6.90  | 5.40   | 7.60   | 7.40  |
| Std. Deviation   | 0.70  | 0.60   | 0.90   | 1.20  |
| LSD/sig  | 1.0   | P≤0.01 | ns     | ns    |
| <input type="checkbox"/> Node: width of root band (mm) |       |        |        |       |
| Mean   | 11.10 | 9.60   | 9.30   | 10.10 |
| Std. Deviation   | 1.40  | 0.90   | 1.40   | 0.70  |
| LSD/sig  | 0.9   | P≤0.01 | P≤0.01 | ns    |

### **Prior Applications and Sales**

Nil

Description: **George Piperidis**, BSES Limited, Mackay, QLD.

**Details of Application**

|                           |  |
|---------------------------|--|
| <b>Application Number</b> | 2010/084                                     |
| <b>Variety Name</b>       | 'Royal Lynn'                                 |
| <b>Genus Species</b>      | <i>Prunus avium</i>                          |
| <b>Common Name</b>        | Sweet Cherry                                 |
| <b>Synonym</b>            | Nil  |
| <b>Accepted Date</b>      | 25 May 2010                                  |
| <b>Applicant</b>          | Zaiger's Inc. Genetics, USA                  |
| <b>Agent</b>              | Graham's Factree Pty Ltd, Hoddles Creek, VIC |
| <b>Qualified Person</b>   | Lisa Corcoran                                |

**Details of Comparative Trial**

|                                       |  |
|---------------------------------------|--|
| <b>Overseas Testing Authority</b>     | United States Patent and Trademark Office (USPTO)  |
| <b>Overseas Data Reference Number</b> | PP 19,589  |
| <b>Location</b>                       | Taggerty, Victoria   |
| <b>Descriptor</b>                     | Cherry ( <i>Prunus avium</i> ) TG/35/7   |
| <b>Period</b>                         | 2008-2012  |
| <b>Conditions</b>                     | Where possible the overseas data was verified under local growing conditions. The U.S Plant Patent data was converted into standard UPOV characteristics for Cherry. |
| <b>Trial Design</b>                   | Ten plants of the candidate variety were planted in 2008 at a Taggerty, Victoria   |
| <b>Measurements</b>                   | From all trial plants.   |
| <b>RHS Chart - edition</b>            | N/A  |

**Origin and Breeding**

Cross pollination: The present new variety of cherry tree (*Prunus avium*) '91LA460' x 'Royal Lee' was developed by Zaiger Inc. Genetics at their experimental orchard located near Modesto, California USA, as a first generation cross between proprietary seedling '91LA460' and 'Royal Lee' cherry. A large group of first generation crosses were budded onto older trees of 'Mahaleb' rootstock. Under close observation one such seedling exhibited desirable fruit characteristics and was therefore selected for additional asexual propagation and commercialisation. Breeder: Zaiger Inc Genetics

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b> | <b>State of Expression in Group of Varieties</b> |
|-------------------------|----------------|--|
| Fruit                   | skin colour    | red  |
| Fruit                   | flesh colour   | red  |
| Tree                    | habit          | upright  |
| Time of                 | flowering      | early  |
| Time of                 | maturity       | early to medium                                  |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| Name          | Comments   |
|---------------|--|
| 'Royal Hazel' | 'Royal Hazel' produces fruit that is slightly larger in size and later in maturity compared to 'Royal Lynn'. |
| 'Royal Lee'   | 'Royal Lee' produces fruit that is smaller in size and later in maturity compared to 'Royal Lynn'.           |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety        | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments   |
|----------------|--------------------------------|--|---|--|
| 'Australise'   | fruit maturity                 | 4 days later                             | 4 days earlier                            | 'Australise' matures in some regions 8 days earlier. The fruit is also reniform in shape compared to 'Royal Lynn' which is cordate |
| 'Early Burlat' | fruit required chill units     | low to medium                            | high                                      |  |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context                                    | 'Royal Lynn'    | 'Royal Hazel'   | 'Royal Lee'       |
|--|-----------------|-----------------|-------------------|
| <input type="checkbox"/> Tree: vigour                        | strong          | strong          | strong            |
| <input type="checkbox"/> *Tree: habit                        | upright         | upright         | upright           |
| <input checked="" type="checkbox"/> *Leaf: length of petiole | short           | medium          | long to very long |
| <input type="checkbox"/> *Petiole: nectaries                 | present         | present         | present           |
| <input type="checkbox"/> Petiole: colour of nectaries        | dark red        | dark red        | dark red          |
| <input type="checkbox"/> Flower: shape of petal              | round           | round           | round             |
| <input type="checkbox"/> *Fruit: size                        | medium to large | large           | medium to large   |
| <input checked="" type="checkbox"/> *Fruit: shape            | cordate         | circular        | circular          |
| <input type="checkbox"/> Fruit: pistil end                   | depressed       | flat            | depressed         |
| <input type="checkbox"/> *Fruit: colour of skin              | red             | red             | red               |
| <input type="checkbox"/> Fruit: colour of flesh              | red             | red             | red               |
| <input checked="" type="checkbox"/> *Fruit: firmness         | very firm       | firm            | very firm         |
| <input checked="" type="checkbox"/> Fruit: juiciness         | medium          | strong          | medium            |
| <input checked="" type="checkbox"/> *Fruit: length of stalk  | long            | short to medium | short             |
| <input type="checkbox"/> *Stone: size                        | medium          | small to medium | medium            |
| <input type="checkbox"/> *Stone: shape                       | broad elliptic  | broad elliptic  | broad elliptic    |
| <input type="checkbox"/> *Time of: flowering                 | early           | early           | early             |

|   |                          |                     |                      |                    |
|---|--------------------------|---------------------|----------------------|--------------------|
| <input type="checkbox"/>                                      | *Time of: fruit maturity | early               | early                | early to medium    |
| <b><u>Characteristics Additional to the Descriptor/TG</u></b> |                          |                     |                      |                    |
| <b>Organ/Plant Part: Context</b>                              |                          | <b>'Royal Lynn'</b> | <b>'Royal Hazel'</b> | <b>'Royal Lee'</b> |
| <input type="checkbox"/>                                      | Self: incompatibility    | absent              | absent               | absent             |

**Prior Applications and Sales**

| <b>Country</b> | <b>Year</b> | <b>Current Status</b> | <b>Name Applied</b> |
|----------------|-------------|-----------------------|---------------------|
| USA            | 2007        | Granted               | 'Royal Lynn'        |

First sold in USA Dec 2008.

Description: **Lisa Corcoran**, Graham's Factree Pty Ltd, Hoddles Creek, VIC.

**Details of Application**

|                           |   |
|---------------------------|---|
| <b>Application Number</b> | 2004/064  |
| <b>Variety Name</b>       | 'Tacle'   |
| <b>Genus Species</b>      | <i>Citrus reticulata</i> x <i>Citrus sinensis</i>                         |
| <b>Common Name</b>        | Tangor  |
| <b>Synonym</b>            | Nil   |
| <b>Accepted Date</b>      | 01 May 2004   |
| <b>Applicant</b>          | Istituto Sperimentale per L'Agrumicoltura, Italy                          |
| <b>Agent</b>              | Australian Nurserymen's Fruit Improvement Company Limited, Kallangur, QLD |
| <b>Qualified Person</b>   | Gavin Porter  |

**Details of Comparative Trial**

|                     |   |
|---------------------|---|
| <b>Location</b>     | Dareton, NSW  |
| <b>Descriptor</b>   | UPOV TG <i>Citrus</i> L. Mandarins 201/1  |
| <b>Period</b>       | 2011/2012   |
| <b>Conditions</b>   | Standard weather and trial conditions during the 2011/2012 growing season.  |
| <b>Trial Design</b> | 10 trees were planted in a trial block at Dareton, NSW. Standard cultural practices were used in this trial block. All trees were in good health with no visible pest and disease issues. |
| <b>Measurements</b> | Measurements were taken from 5 trees of this variety.   |

**Origin and Breeding**

Controlled pollination: diploid *C. reticulata* 'Monreal' with the pollen parent tetraploid *C. sinensis* 'Tarocco'. Several hundred seedlings were grown and evaluated for the best fruit characteristics. 'Tacle' (A-146) was selected due to its late season harvest, red flesh and other superior fruit characteristics. 'Tacle' is a hybrid of the first generation made from the cross of diploid clementine 'Monreal' and tetraploid 'Tarocco' in May, 1980. The original tree has been maintained at Palazzelli experimental farm of Istituto Sperimentale per l'Agrumicoltura of Acireale, Italy since 1983. Propagation using bud sticks from the original tree has occurred in different areas for 4 years in Italy. Three generations of propagated 'Tacle' have been grown since selection. The seed parent is a diploid *Citrus reticulata* and the pollen parent is a tetraploid *Citrus sinensis*. The new variety is a triploid hybrid. No off-types have been isolated from 1983 date of original planting at Palazzelli, Italy.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>                   | <b>State of Expression in Group of Varieties</b> |
|-------------------------|----------------------------------|--|
| Plant                   | ploidy                           | triploid   |
| Fruit                   | Number of seeds                  | very low or absent                               |
| Fruit                   | time of maturity for consumption | medium   |
| Seed                    | Polyembryony                     | absent   |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| Name  | Comments |
|---|----------|
| 'Red Tacle' (US PP application No: 20080189813) |          |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety    | Distinguishing Characteristics                 | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments |
|------------|--|--|---|----------|
| 'Monreal'  | Fruit presence of depression at the distal end | present                                  | absent                                    |          |
| 'Monreal'  | Fruit areola                                   | absent                                   | absent                                    |          |
| 'Valencia' | Fruit shape                                    | oblate                                   | globose                                   |          |
| 'Valencia' | Fruit presence of depression at the distal end | present                                  | absent                                    |          |
| 'Valencia' | Seed polyembryony                              | absent                                   | present                                   |          |
| 'Valencia' | Fruit time of maturity for consumption         | mid-season                               | late season                               |          |
| 'Clara'    | Tree density of spines                         | Dense                                    | sparse                                    |          |
| 'Clara'    | Fruit time of maturity for consumption         | mid-season                               | late season                               |          |
| 'Hickson'  | Plant ploidy                                   | triploid                                 | diploid                                   |          |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context                                    | 'Tacle'          | 'Red Tacle'      |
|--|------------------|------------------|
| <input type="checkbox"/> Ploidy:                             | triploid         | triploid         |
| <input type="checkbox"/> *Tree: growth habit                 | spreading        | upright          |
| <input type="checkbox"/> Tree: density of spines             | dense            | absent or sparse |
| <input type="checkbox"/> Tree: length of spines              | medium to long   |                  |
| <input checked="" type="checkbox"/> Leaf blade: length       | long             | medium           |
| <input checked="" type="checkbox"/> Leaf blade: width        | broad            | medium           |
| <input type="checkbox"/> Leaf blade: ratio length/width      | small to medium  | medium           |
| <input type="checkbox"/> Leaf blade: shape in cross section  | strongly concave |                  |
| <input type="checkbox"/> Leaf blade: twisting                | absent or weak   |                  |
| <input type="checkbox"/> Leaf blade: blistering              | absent or weak   |                  |
| <input checked="" type="checkbox"/> Leaf blade: green colour | dark             | medium           |
| <input type="checkbox"/> Leaf blade: undulation of margin    | absent or weak   |                  |
| <input type="checkbox"/> Leaf blade: incisions of margin     | crenate          |                  |
| <input type="checkbox"/> Leaf blade: shape of apex           | acuminate        |                  |
| <input type="checkbox"/> Leaf blade: emargination at tip     | present          |                  |

|                                     |   |                            |                      |
|-------------------------------------|---|----------------------------|----------------------|
| <input type="checkbox"/>            | Petiole: length   | long to very long          |                      |
| <input type="checkbox"/>            | Petiole: presence of wings  | present                    |                      |
| <input type="checkbox"/>            | Petiole: width of wings (varieties with petiole wings present only)             | narrow to medium           |                      |
| <input type="checkbox"/>            | Flower: diameter of calyx   | large                      |                      |
| <input type="checkbox"/>            | Flower: length of petal   | long                       |                      |
| <input type="checkbox"/>            | Flower: width of petal  | medium                     |                      |
| <input type="checkbox"/>            | Flower: ratio length/width of petal   | medium to large            |                      |
| <input type="checkbox"/>            | Flower: length of stamens   | medium                     |                      |
| <input type="checkbox"/>            | Anther: colour  | medium yellow              |                      |
| <input type="checkbox"/>            | Anther: viable pollen   | absent                     |                      |
| <input type="checkbox"/>            | Style: length   | short                      |                      |
| <input checked="" type="checkbox"/> | *Fruit: length  | long                       | medium               |
| <input checked="" type="checkbox"/> | *Fruit: diameter  | large                      | medium               |
| <input type="checkbox"/>            | *Fruit: ratio length/diameter   | medium                     | medium               |
| <input type="checkbox"/>            | *Fruit: position of broadest part   | at middle                  | at middle            |
| <input checked="" type="checkbox"/> | Fruit: shape in transverse section  | oblate                     | somewhat angular     |
| <input type="checkbox"/>            | *Fruit: general shape of proximal part  | flattened                  | flattened            |
| <input checked="" type="checkbox"/> | *Fruit: presence of neck  | absent                     | present              |
| <input type="checkbox"/>            | *Fruit: presence of depression at stalk end (varieties without fruit neck only) | present                    |                      |
| <input type="checkbox"/>            | Fruit: depth of depression at stalk end (varieties without fruit neck only)     | shallow to medium          |                      |
| <input checked="" type="checkbox"/> | Fruit: presence of constriction at stalk end                                    | absent                     | present              |
| <input type="checkbox"/>            | Fruit: number of radial grooves at stalk end                                    | intermediate               | intermediate         |
| <input type="checkbox"/>            | Fruit: length of radial grooves at stalk end                                    | medium                     | medium               |
| <input type="checkbox"/>            | Fruit: presence of collar   | absent                     | absent               |
| <input type="checkbox"/>            | Fruit: abscission layer between floral disc and fruit                           | absent or weakly developed |                      |
| <input type="checkbox"/>            | *Fruit: general shape of distal part  | flattened                  | flattened            |
| <input type="checkbox"/>            | *Fruit: presence of depression at distal end                                    | present                    | present              |
| <input type="checkbox"/>            | Fruit: depth of depression at distal end  | medium to deep             | shallow              |
| <input type="checkbox"/>            | Fruit: diameter of depression at distal end                                     | medium                     | medium               |
| <input type="checkbox"/>            | *Fruit: presence of areola  | absent                     | present and complete |
| <input type="checkbox"/>            | Fruit: diameter of styler scar  | medium                     | small                |



|                                     |  |  |                                 |
|-------------------------------------|--|--|---------------------------------|
| <input type="checkbox"/>            | Fruit: persistence of style  | none                                     | none                            |
| <input type="checkbox"/>            | Fruit: presence of navel opening   | absent                                   | occasionally present            |
| <input type="checkbox"/>            | Fruit: presence of radial grooves at distal end  | absent                                   | absent                          |
| <input type="checkbox"/>            | *Fruit surface: predominant colours  | medium orange                            | medium orange                   |
| <input type="checkbox"/>            | *Fruit surface: glossiness   | weak to medium                           | weak to medium                  |
| <input type="checkbox"/>            | Fruit surface: roughness   | rough                                    | medium to rough                 |
| <input type="checkbox"/>            | Fruit surface: size of oil glands  | larger ones interspersed by smaller ones |                                 |
| <input type="checkbox"/>            | Fruit surface: size of larger oil glands   | large                                    |                                 |
| <input type="checkbox"/>            | Fruit surface: conspicuousness of larger oil glands  | medium                                   |                                 |
| <input type="checkbox"/>            | Fruit surface: presence of pitting and pebbling in oil glands  | pitting absent, pebbling present         |                                 |
| <input type="checkbox"/>            | Fruit surface: density of pebbling (varieties with fruit surface: pebbling on oil glands present only) | medium to dense                          |                                 |
| <input type="checkbox"/>            | Fruit surface: degree of pebbling (varieties with fruit surface: pebbling on oil glands present only)  | strong                                   |                                 |
| <input type="checkbox"/>            | *Fruit rind: thickness   | thin to medium                           | thin to medium                  |
| <input type="checkbox"/>            | *Fruit rind: adherence to flesh  | medium to strong                         | weak to medium                  |
| <input type="checkbox"/>            | Fruit rind: strength   | medium                                   | medium                          |
| <input type="checkbox"/>            | Fruit rind: oiliness   | medium to oily                           | medium                          |
| <input type="checkbox"/>            | Fruit rind: conspicuousness of oil glands on inner surface   | absent or weakly conspicuous             | strongly conspicuous            |
| <input type="checkbox"/>            | Fruit: colour of albedo  | white                                    | light yellow                    |
| <input type="checkbox"/>            | Fruit: density of albedo   | medium to dense                          | medium                          |
| <input type="checkbox"/>            | *Fruit: amount of albedo adhering to flesh   | small to medium                          |                                 |
| <input type="checkbox"/>            | Fruit: presence of albedo strands  | present                                  |                                 |
| <input type="checkbox"/>            | Fruit: amount of albedo strands  | very small                               |                                 |
| <input checked="" type="checkbox"/> | *Fruit: main colour of flesh   | dark orange                              | dark red                        |
| <input type="checkbox"/>            | Fruit: filling of core   | absent or very sparse                    | absent or very sparse to sparse |
| <input type="checkbox"/>            | Fruit: diameter of core  | large                                    |                                 |
| <input type="checkbox"/>            | Fruit: presence of rudimentary segments  | absent or weak                           |                                 |
| <input type="checkbox"/>            | Fruit: number of well developed segments   | medium to many                           | medium                          |
| <input type="checkbox"/>            | Fruit: coherence of adjacent segment walls   | medium                                   |                                 |

|                          |   |                     |                     |
|--------------------------|---|---------------------|---------------------|
| <input type="checkbox"/> | Fruit: strength of segment walls                            | weak                |                     |
| <input type="checkbox"/> | Fruit: length of juice vesicles                             | medium              |                     |
| <input type="checkbox"/> | Fruit: thickness of juice vesicles                          | medium              |                     |
| <input type="checkbox"/> | Fruit: conspicuousness of juice vesicle walls               | low to medium       |                     |
| <input type="checkbox"/> | Fruit: coherence of juice vesicles                          | strong              |                     |
| <input type="checkbox"/> | *Fruit: presence of navel (viewed internally)               | absent or very rare | absent or very rare |
| <input type="checkbox"/> | Fruit: juiciness  | medium              | high                |
| <input type="checkbox"/> | *Fruit juice: total soluble solids                          | medium              | medium              |
| <input type="checkbox"/> | Fruit juice: acidity  | low to medium       | medium              |
| <input type="checkbox"/> | Fruit: strength of fibre                                    | medium              | medium              |
| <input type="checkbox"/> | Fruit: number of seeds (controlled manual self-pollination) | absent or very few  |                     |
| <input type="checkbox"/> | Fruit: number of seeds (open pollination)                   | absent or very few  | absent              |
| <input type="checkbox"/> | *Seed: polyembryony   | absent              | absent              |
| <input type="checkbox"/> | *Time of: maturity of fruit for consumption                 | medium              | medium              |

### **Statistical Table**

| <b>Organ/Plant Part: Context</b>                       | <b>'Tacle'</b> |
|--|----------------|
| <input type="checkbox"/> Leaf: Blade length(mm)        |                |
| Mean   | 123.05         |
| Std. Deviation   | 3.12           |
| <input type="checkbox"/> Leaf: Blade width(mm)         |                |
| Mean   | 69.22          |
| Std. Deviation   | 3.09           |
| <input type="checkbox"/> Petiole: Length(mm)           |                |
| Mean   | 21.71          |
| Std. Deviation   | 0.22           |
| <input type="checkbox"/> Flower: Diameter of calyx(mm) |                |
| Mean   | 38.34          |
| Std. Deviation   | 0.16           |
| <input type="checkbox"/> Flower: Length of sepal(mm)   |                |
| Mean   | 21.00          |
| Std. Deviation   | 0.05           |
| <input type="checkbox"/> Flower: Width of petal(mm)    |                |
| Mean   | 8.67           |
| Std. Deviation   | 0.04           |
| <input type="checkbox"/> Flower: Length of stamens(mm) |                |

|   |       |
|---|-------|
| Mean  | 11.00 |
| Std. Deviation  | 0.02  |
| <input type="checkbox"/> Flower: Style length(mm)                         |       |
| Mean  | 9.01  |
| Std. Deviation  | 0.02  |
| <input type="checkbox"/> Fruit: Length(mm)                                |       |
| Mean  | 63.01 |
| Std. Deviation  | 1.34  |
| <input type="checkbox"/> Fruit: Diameter(mm)                              |       |
| Mean  | 83.51 |
| Std. Deviation  | 1.60  |
| <input type="checkbox"/> Fruit: Number of radial grooves at stalk end     |       |
| Mean  | 7.00  |
| Std. Deviation  | 0.05  |
| <input type="checkbox"/> Fruit: Length of radial grooves at stalk end(mm) |       |
| Mean  | 12.00 |
| Std. Deviation  | 0.02  |
| <input type="checkbox"/> Fruit: Diameter of depression at distal end(mm)  |       |
| Mean  | 11.00 |
| Std. Deviation  | 0.02  |
| <input type="checkbox"/> Fruit: Diameter of stylar scar(mm)               |       |
| Mean  | 4.00  |
| Std. Deviation  | 0.01  |
| <input type="checkbox"/> Fruit: Surface size of larger oil glands         |       |
| Mean  | 5.00  |
| Std. Deviation  | 0.01  |
| <input type="checkbox"/> Fruit: Rind thickness(mm)                        |       |
| Mean  | 4.00  |
| Std. Deviation  | 0.01  |
| <input type="checkbox"/> Fruit: Diameter of Core(mm)                      |       |
| Mean  | 15.87 |
| Std. Deviation  | 1.65  |
| <input type="checkbox"/> Fruit: Number of well developed segments         |       |
| Mean  | 11.08 |
| Std. Deviation  | 0.44  |
| <input type="checkbox"/> Fruit: Length of juice vesicles(mm)              |       |
| Mean  | 9.02  |
| Std. Deviation  | 0.44  |

Fruit: Thickness of juice vesicles(mm)

Mean 3.00

Std. Deviation 0.01

**Prior Applications and Sales**

| <b>Country</b> | <b>Year</b> | <b>Current Status</b> | <b>Name Applied</b> |
|----------------|-------------|-----------------------|---------------------|
| Chile          | 2007        | Granted               | 'Tacle'             |
| European Union | 2001        | Granted               | 'Tacle'             |
| South Africa   | 2007        | Pending               | 'Tacle'             |

First sold in Italy in January 1998.

Description: **Gavin Porter, Kallangur, QLD.**

**Details of Application**

**Application Number** 2011/315  
**Variety Name** 'BUNNAN'  
**Genus Species** *Baloskion tetraphyllum*  
**Common Name** Tassel Cord Rush  
**Synonym** Nil  
**Accepted Date** 30 Jan 2012  
**Applicant** SPROCZ Pty Ltd, Bilpin, NSW.

**Agent** Ozbreed Pty Ltd, Clarendon, NSW  
**Qualified Person** Peter Abell

**Details of Comparative Trial**

**Location** Ozbreed, Cupitts Lane, Clarendon, NSW  
**Descriptor** General Descriptor  
**Period** November 2011 to August 2012  
**Conditions** Shade-house with automatic overhead irrigation. Climatic conditions typical for the area near Windsor for the summer to winter period of the trial. Plants were potted into 75mm square pots and fertilised with a single top dressing of controlled release fertiliser which lasted for the period of the trial.  
**Trial Design** Two blocks each containing 15 plants of each of the candidate, nearest variety of common knowledge (VCK) and seed form (later excluded). All plants were reproduced from divisions to unify the trial.  
**Measurements** The data taken reflects the characteristics of the candidate variety and how it differs from the most similar VCK.  
**RHS Chart - edition** 2007

**Origin and Breeding**

Open pollination followed by seedling selection: In May 2004 seedling selection for very dense "fluffy" foliage from seedling batch grown from open pollinated plants. In July 2005 single plant selection was made and plant potted. In November 2005, plant divided (Generation 1) and in August 2006 plants were divided again (Generation 2) to bulk up numbers, plants potted for observations. In November 2007 plant initiated for tissue culture (generation 3). During January 2008 - November 2011 several tissue culture generations. The variety remains stable with nil off-types being observed with all selection characters being expressed. Selection criteria: dense "fluffy" growth of leaves. Breeder: Peter G Abell, Bilpin, NSW.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|------------------|---------|---|
| Juvenile shoot   | lamina  | present                                   |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| Name          | Comments  |
|---------------|---|
| 'Green Wedge' | This is one of the only named varieties of the species and the only variety that has a higher degree of branching on the upper stem |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety    | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments  |
|------------|--------------------------------|--|---|---|
| Trade form | Juvenile lamina shoot          | present                                  | absent                                    | This is a common form grown from seed and shows variability. It has fewer leaves on the upright stem and no leaflets on the culm. |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context   | 'BUNNAN'             | 'Green Wedge'        |
|---|----------------------|----------------------|
| <input type="checkbox"/> Plant: type  | herbaceous perennial | herbaceous perennial |
| <input type="checkbox"/> Plant: growth habit                                | erect                | narrow erect         |
| <input checked="" type="checkbox"/> Plant: height                           | short                | medium to tall       |
| <input type="checkbox"/> Plant: width                                       | medium               | narrow to medium     |
| <input type="checkbox"/> Juvenile shoot: anthocyanin colouration            | absent               | absent               |
| <input type="checkbox"/> Juvenile shoot: lamina                             | present              | present              |
| <input checked="" type="checkbox"/> Juvenile shoot: length of lamina        | very long            | very short           |
| <input checked="" type="checkbox"/> Juvenile shoot: width of lamina         | medium               | very narrow          |
| <input type="checkbox"/> Leaf: type   | simple               | simple               |
| <input type="checkbox"/> Leaf: attitude of lamina                           | semi-erect           | n/a                  |
| <input type="checkbox"/> Leaf : arrangement                                 | alternate            | alternate            |
| <input type="checkbox"/> Leaf: petiole                                      | absent               | absent               |
| <input type="checkbox"/> Leaf: shape of lamina                              | linear               | linear               |
| <input type="checkbox"/> Leaf: shape of apex of lamina                      | acute                | acute                |
| <input type="checkbox"/> Leaf: incision of margin                           | absent               | absent               |
| <input type="checkbox"/> Culm: glossiness                                   | medium               | medium               |
| <input type="checkbox"/> Culm: intensity of green colour                    | medium               | light to medium      |
| <input type="checkbox"/> Leaf: presence of variegation                      | absent               | absent               |
| <input checked="" type="checkbox"/> Culm: primary colour (RHS colour chart) | 137B                 | 146A                 |

**Prior Applications and Sales**

Nil.

Description: **Peter Abell**, SPROCZ Pty Ltd, Bilpin, NSW.

**Details of Application**

|                           |                                 |
|---------------------------|---------------------------------|
| <b>Application Number</b> | 2009/120                        |
| <b>Variety Name</b>       | 'Raspberry Ripple'              |
| <b>Genus Species</b>      | <i>Chamelaucium</i> hybrid      |
| <b>Common Name</b>        | Waxflower                       |
| <b>Synonym</b>            | Nil                             |
| <b>Accepted Date</b>      | 26 Jun 2009                     |
| <b>Applicant</b>          | Goldsash Pty Ltd, West Swan, WA |
| <b>Agent</b>              | Western Flora, Coorow, WA       |
| <b>Qualified Person</b>   | Brian Jack                      |

**Details of Comparative Trial**

|                            |   |
|----------------------------|---|
| <b>Location</b>            | Western Flora, Coorow, WA.  |
| <b>Descriptor</b>          | Waxflower ( <i>Chamelaucium</i> and hybrids with <i>Verticordia plumosa</i> ) (UPOV TG/225/1/ Corr.)  |
| <b>Period</b>              | 2011-12   |
| <b>Conditions</b>          | Plants of the candidate variety and comparators were planted in to pots with fertiliser incorporated in the potting mix. Pots were placed in rows of one variety per row into a shade house with 70% shade. Rows were running north/south. Row spacings were 300mm. All plants were watered via one 4 litre per hour dripper per pot. Trial plot was sprayed when necessary to prevent or control pests and diseases. The plants were not staked or pruned during the trial period. |
| <b>Trial Design</b>        | 10 pots of each variety per row with rows 300mm apart.  |
| <b>Measurements</b>        | Taken in accordance with UPOV technical guideline.  |
| <b>RHS Chart - edition</b> | 1986 edition  |

**Origin and Breeding**

Open pollination followed by seedling selection: this variety was selected from a row of open-pollinated seedlings in Western Flora's Waxflower breeding facility at Coorow, Western Australia. The probable parents are 'Purple Pride' and 'Grandiflora'. The seedling was selected for breeding because of the unusual arrangement of the staminodes, flower size, flower colour, flowering time and the high yield of uniform flowering stems. Cuttings were taken for further breeding and selection and no offtypes were found after four cycles of selection. Breeder: Brian Jack, Western Flora, Coorow, Western Australia

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>                                 | <b>State of Expression in Group of Varieties</b> |
|-------------------------|--|--|
| Flower                  | main colour of petals 10-14 days after opening | purple   |
| Flower                  | main colour of petals 4 weeks after opening    | purple   |
| Flower                  | type   | single   |
| Sepal                   | incision of margin                             | absent   |
| Receptacle              | colour 4 weeks after opening of flower         | red-purple                                       |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| Name           | Comments |
|----------------|----------|
| 'Grandiflora'  |          |
| 'Lilac Spring' |          |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety          | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments  |
|------------------|--------------------------------|--|---|---|
| 'Chantilly Lace' | Flower main colour of petals   | purple                                   | white                                     | this variety has petaloid stamens but excluded because of white flower colour |
| 'Purple Pride'   | Flower petaloid stamens        | large                                    | small                                     | Putative parent having purple flower colour                                   |
| 'Dancing Queen'  | Flower type                    | single                                   | double                                    |   |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context  | 'Raspberry Ripple'         | 'Grandiflora'              | 'Lilac Spring'             |
|--|----------------------------|----------------------------|----------------------------|
| <input checked="" type="checkbox"/> Leaf: attitude in relation to stem                       | erect                      | semi erect                 | semi erect                 |
| <input checked="" type="checkbox"/> Leaf: length   | long                       | long                       | medium                     |
| <input type="checkbox"/> Leaf: shape in cross section  | rounded                    | rounded                    | rounded                    |
| <input type="checkbox"/> Flowering branch: angle of axillary shoot                           | medium                     | medium                     | medium                     |
| <input type="checkbox"/> Flowering branch: location of flowers                               | both axillary and terminal | both axillary and terminal | both axillary and terminal |
| <input type="checkbox"/> Flower bud: colour of apex  | pink                       | pink                       | pink                       |
| <input type="checkbox"/> *Flower: type   | single                     | single                     | single                     |
| <input type="checkbox"/> *Flower: diameter   | large                      | large                      | medium to large            |
| <input type="checkbox"/> Flower: arrangements of petals                                      | free                       | free                       | free                       |
| <input type="checkbox"/> Flower: attitude of petals on day of opening                        | horizontal                 | horizontal                 | horizontal                 |
| <input type="checkbox"/> Flower: attitude of petals 4 weeks after opening                    | horizontal                 | horizontal                 | horizontal                 |
| <input type="checkbox"/> Flower: length of sepal in relation to length of petal              | less than one third        | less than one third        | less than one third        |
| <input type="checkbox"/> *Flower: main colour of petals on day of opening (RHS Colour Chart) | 75A                        | 75A                        | 75A B                      |



|  |  |                  |                   |                     |
|--|--|------------------|-------------------|---------------------|
| <input checked="" type="checkbox"/>                    | *Flower: main colour of petals 10-14 days after opening (RHS Colour Chart) | 77C              | 78B               | 77B                 |
| <input checked="" type="checkbox"/>                    | *Flower: main colour of petals 4 weeks after opening (RHS Colour Chart)    | 78B              | 78A               | 77A                 |
| <input type="checkbox"/>                               | Pedice: length   | medium to long   | medium to long    | short to medium     |
| <input checked="" type="checkbox"/>                    | Hypanthium: conspicuousness of longitudinal furrowing                      | strong           | medium            | absent to very weak |
| <input type="checkbox"/>                               | Hypanthium: shape  | obconical        | obconical         | obconical           |
| <input type="checkbox"/>                               | Hypanthium: diameter at widest part  | medium           | medium            | medium              |
| <input type="checkbox"/>                               | Hypanthium: main colour at middle part                                     | green            | green             | yellow              |
| <input type="checkbox"/>                               | *Sepal: incision of margin   | absent           | absent            | absent              |
| <input checked="" type="checkbox"/>                    | Petal: ratio length/width  | as long as broad | broader than long | broader than long   |
| <input checked="" type="checkbox"/>                    | Petal: undulation of margin  | weak             | medium            | medium              |
| <input checked="" type="checkbox"/>                    | Stamen collar: colour at opening of flower                                 | pink             | pink              | white               |
| <input type="checkbox"/>                               | Stamen collar: colour 10-14 days after opening of flower                   | purple           | purple            | white               |
| <input type="checkbox"/>                               | Receptacle: colour on day of opening of flower                             | yellow green     | light green       | yellow green        |
| <input type="checkbox"/>                               | Receptacle: colour 4 weeks after opening of flower                         | red brown        | red brown         | red brown           |
| <input checked="" type="checkbox"/>                    | Style: colour  | purple           | pink              | white               |
| <input type="checkbox"/>                               | Time of: beginning of flowering  | medium to late   | medium            | medium              |
| <b>Characteristics Additional to the Descriptor/TG</b> |  |                  |                   |                     |
| <b>Organ/Plant Part: Context</b>                       |  |                  |                   |                     |
| <input checked="" type="checkbox"/>                    | Flower: petaloid stamens   | present          | absent            | absent              |

### **Prior Applications and Sales**

Nil.

Description: **Brian Jack**, Western Flora, Coorow, WA.

**Details of Application**

|                           |   |
|---------------------------|---|
| <b>Application Number</b> | 2011/089  |
| <b>Variety Name</b>       | 'WX 74'   |
| <b>Genus Species</b>      | <i>Chamelaucium</i> hybrid                            |
| <b>Common Name</b>        | Waxflower   |
| <b>Synonym</b>            | Nil   |
| <b>Accepted Date</b>      | 25 May 2011   |
| <b>Applicant</b>          | Western Australian Agriculture Authority, Bentley, WA |
| <b>Agent</b>              | N/A   |
| <b>Qualified Person</b>   | Philip Watkins  |

**Details of Comparative Trial**

|                            |   |
|----------------------------|---|
| <b>Location</b>            | Department of Agriculture, South Perth, WA  |
| <b>Descriptor</b>          | Waxflower ( <i>Chamelaucium</i> ) TG/225/1 Corr   |
| <b>Period</b>              | Sept 2010 - Sept 2012   |
| <b>Conditions</b>          | Plants propagated by cuttings, planted in containers and grown in open nursery conditions with drip irrigation and fertigation. |
| <b>Trial Design</b>        | 10 plants of each variety, replicated randomised block design.  |
| <b>Measurements</b>        | made on 10 typical organs from all plants.  |
| <b>RHS Chart - edition</b> | 1986 and 2001   |

**Origin and Breeding**

Open pollination: *Chamelaucium megalopetalum* 'CM12.1-4' (maternal parent) was pollinated by an unknown parent but expected to be 'Alba' which was growing in close proximity at WA Department of Food and Agriculture Medina Research Station. An embryo was excised from resulting fruit produced in August 2000 and germinated in vitro. Resulting seedling was subcultured in tissue culture 4 times, deflasked, hardened and planted in the field at Medina Research Station in May 2001. Following flowering in June 2002, seedling was vegetatively propagated via cuttings and a second generation of cuttings taken in 2009. Growth and flowering records of the generations were recorded during period 2002 to 2010. No off types were recorded and all plants were found to be uniform and stable. Breeder: State of Western Australia through its Department of Agriculture and Food.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>         | <b>State of Expression in Group of Varieties</b> |
|-------------------------|------------------------|--|
| Flower bud              | colour of apex         | white  |
| Flower                  | type                   | single   |
| Flower                  | diameter               | medium   |
| Flower                  | arrangements of petals | free   |
| Petal                   | undulation of margin   | weak   |
| Style                   | colour                 | white  |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b>     | <b>Comments</b> |
|-----------------|-----------------|
| 'WX 87'         |                 |
| 'Crystal Pearl' |                 |
| 'Ivory Pearl'   |                 |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety | Distinguishing Characteristics                | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments |
|---------|---|--|---|----------|
| 'WX 56' | Receptacle colour on day of opening of flower | medium green                             | yellow green                              |          |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context   | 'WX 74'                    | 'Crystal Pearl'            | 'Ivory Pearl'              | 'WX 87'                    |
|---|----------------------------|----------------------------|----------------------------|----------------------------|
| <input checked="" type="checkbox"/> Leaf: attitude in relation to stem                              | erect                      | erect to semi erect        | semi erect                 | erect                      |
| <input checked="" type="checkbox"/> Leaf: length  | short                      | medium                     | medium                     | short                      |
| <input type="checkbox"/> Leaf: shape in cross section   | triangular                 | triangular                 | rounded                    | triangular                 |
| <input type="checkbox"/> Flowering branch: angle of axillary shoot                                  | small to medium            | small to medium            | small to medium            | small                      |
| <input type="checkbox"/> Flowering branch: location of flowers                                      | both axillary and terminal | both axillary and terminal | both axillary and terminal | both axillary and terminal |
| <input type="checkbox"/> Flower bud: colour of apex   | white                      | white                      | white                      | white                      |
| <input type="checkbox"/> *Flower: type  | single                     | single                     | single                     | single                     |
| <input type="checkbox"/> *Flower: diameter  | medium                     | medium                     | medium                     | medium                     |
| <input type="checkbox"/> Flower: arrangements of petals   | free                       | free                       | free                       | free                       |
| <input type="checkbox"/> Flower: attitude of petals on day of opening                               | semi erect                 | semi erect                 | semi erect                 | semi erect                 |
| <input type="checkbox"/> Flower: attitude of petals 4 weeks after opening                           | semi erect                 | semi erect                 | semi erect                 | semi erect                 |
| <input type="checkbox"/> Flower: length of sepal in relation to length of petal                     | less than one third        | less than one third        | less than one third        | less than one third        |
| <input type="checkbox"/> *Flower: main colour of petals on day of opening (RHS Colour Chart)        | 155A                       | 155A                       | 155A                       | 155A                       |
| <input type="checkbox"/> *Flower: main colour of petals 10-14 days after opening (RHS Colour Chart) | 155B-C                     | 155B-C                     | 155B-C                     | NN155B-C                   |
| <input type="checkbox"/> *Flower: main colour of petals 4 weeks after opening (RHS Colour Chart)    | 155C                       | 155C                       | 155C                       | NN155B-C                   |
| <input checked="" type="checkbox"/> Pedicel: length   | short                      | short                      | long                       | long                       |

|                                     |  |                  |                  |                  |                  |
|-------------------------------------|--|------------------|------------------|------------------|------------------|
| <input type="checkbox"/>            | Hypanthium: conspicuousness of longitudinal furrowing    | weak             | weak             | weak             | weak             |
| <input type="checkbox"/>            | Hypanthium: shape  | obconical        | obconical        | obconical        | obconical        |
| <input type="checkbox"/>            | Hypanthium: diameter at widest part                      | medium           | medium           | medium           | medium           |
| <input checked="" type="checkbox"/> | Hypanthium: main colour at middle part                   | green            | green            | green            | yellow           |
| <input type="checkbox"/>            | *Sepal: incision of margin                               | absent           | absent           | absent           | absent           |
| <input type="checkbox"/>            | Petal: ratio length/width                                | as long as broad | as long as broad | as long as broad | as long as broad |
| <input type="checkbox"/>            | Petal: undulation of margin                              | weak             | weak             | weak             | weak             |
| <input type="checkbox"/>            | Stamen collar: colour at opening of flower               | white            | white            | white            | white            |
| <input type="checkbox"/>            | Stamen collar: colour 10-14 days after opening of flower | white            | white            | white            | white            |
| <input checked="" type="checkbox"/> | Receptacle: colour on day of opening of flower           | medium green     | light green      | light green      | yellow green     |
| <input checked="" type="checkbox"/> | Receptacle: colour 4 weeks after opening of flower       | medium green     | light green      | medium green     | yellow green     |
| <input type="checkbox"/>            | Style: colour  | white            | white            | white            | white            |
| <input checked="" type="checkbox"/> | Time of: beginning of flowering                          | medium           | early            | medium           | medium to late   |

### **Statistical Table**

| <b>Organ/Plant Part: Context</b>                         | <b>'WX 74'</b> | <b>'Crystal Pearl'</b> | <b>'Ivory Pearl'</b> | <b>'WX 87'</b> |
|--|----------------|------------------------|----------------------|----------------|
| <input checked="" type="checkbox"/> Leaf: length(mm)     |                |                        |                      |                |
| Mean   | 13.55          | 16.90                  | 18.90                | 12.45          |
| Std. Deviation   | 0.76           | 0.88                   | 1.73                 | 0.64           |
| Lsd/sig  | 0.61           | P≤0.01                 | P≤0.01               | P≤0.01         |
| <input checked="" type="checkbox"/> Flower: diameter(mm) |                |                        |                      |                |
| Mean   | 18.10          | 17.35                  | 21.10                | 18.45          |
| Std. Deviation   | 0.39           | 0.47                   | 0.74                 | 0.50           |
| Lsd/sig  | 0.12           | P≤0.01                 | P≤0.01               | P≤0.01         |

### **Prior Applications and Sales**

Nil

Description: **Philip Watkins** Singleton WA

**Details of Application**

|                           |                                 |
|---------------------------|---------------------------------|
| <b>Application Number</b> | 2009/122                        |
| <b>Variety Name</b>       | 'Strawberry Surprise'           |
| <b>Genus Species</b>      | <i>Chamelaucium</i> hybrid      |
| <b>Common Name</b>        | Waxflower                       |
| <b>Synonym</b>            | Nil                             |
| <b>Accepted Date</b>      | 26 Jun 2009                     |
| <b>Applicant</b>          | Goldsash Pty Ltd, West Swan, WA |
| <b>Agent</b>              | Western Flora, Coorow, WA       |
| <b>Qualified Person</b>   | Brian Jack                      |

**Details of Comparative Trial**

|                            |   |
|----------------------------|---|
| <b>Location</b>            | Western Flora, Coorow, WA.  |
| <b>Descriptor</b>          | Waxflower ( <i>Chamelaucium</i> and hybrids with <i>Verticordia plumosa</i> ) (UPOV TG/225/1/ Corr.)  |
| <b>Period</b>              | 2011-12   |
| <b>Conditions</b>          | Planted in 125 mm pots in November 2011. Growing media local sand, peat moss, Perlite mixture with slow release fertiliser with pH 6.5. Pots placed in shade house with 70% shade, drip irrigation with 1x 4L/hour dripper per pot. Insect and other pest control was carried out when necessary. |
| <b>Trial Design</b>        | 10 pots of each variety per row with rows 300mm apart.  |
| <b>Measurements</b>        | Taken in accordance with UPOV technical guideline.  |
| <b>RHS Chart - edition</b> | 1986 edition  |

**Origin and Breeding**

Open pollination followed by seedling selection: this variety was selected from a row of open-pollinated seedlings in Western Flora's Waxflower breeding facility at Coorow, Western Australia. The probable parents 'Purple Pride' and 'Sweet Georgia'. The resulting seedling was selected for its erect habit, dense conical flower heads with unusual petal colour; staminode having the appearance of petals. Cuttings were taken for further breeding and selection and no offtypes were found after five cycles of selection. Breeder: Brian Jack, Western Flora, Coorow, Western Australia.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>                                 | <b>State of Expression in Group of Varieties</b> |
|-------------------------|--|--|
| Flower                  | main colour of petals 10-14 days after opening | purple   |
| Flower                  | main colour of petals 4 weeks after opening    | purple   |
| Flower                  | type   | single   |
| Sepal                   | incision of margin                             | absent   |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b>    | <b>Comments</b> |
|----------------|-----------------|
| 'Jurien Brook' |                 |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety           | Distinguishing Characteristics |                       | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments  |
|-------------------|--------------------------------|-----------------------|--|---|---|
| 'Chantilly Lace'  | Flower                         | main colour of petals | purple                                   | white                                     | this variety has petaloid stamens but excluded because of white flower colour |
| 'Purple Pride'    | Flower                         | petaloid stamens      | large                                    | small                                     | Putative parent having purple flower colour                                   |
| 'Sweet Georgia'   | Flower                         | petaloid stamens      | large                                    | small                                     | Putative parent having white flower colour                                    |
| 'Teina's Delight' | Flower                         | petaloid stamens      | large                                    | absent                                    |   |
| 'Pixie'           | Flower                         | petaloid stamens      | large                                    | absent                                    |   |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context  | 'Strawberry Surprise'      | 'Jurien Brook'             |
|--|----------------------------|----------------------------|
| <input type="checkbox"/> Leaf: attitude in relation to stem  | semi erect                 | semi erect                 |
| <input type="checkbox"/> Leaf: length  | short to medium            | medium                     |
| <input type="checkbox"/> Leaf: shape in cross section  | rounded                    | rounded                    |
| <input type="checkbox"/> Flowering branch: angle of axillary shoot   | medium                     | medium                     |
| <input type="checkbox"/> Flowering branch: location of flowers   | both axillary and terminal | both axillary and terminal |
| <input type="checkbox"/> Flower bud: colour of apex  | pink                       | pink                       |
| <input type="checkbox"/> *Flower: type   | single                     | single                     |
| <input checked="" type="checkbox"/> *Flower: diameter  | small                      | medium to large            |
| <input type="checkbox"/> Flower: arrangements of petals  | free                       | free                       |
| <input type="checkbox"/> Flower: attitude of petals on day of opening  | semi erect                 | semi erect to horizontal   |
| <input type="checkbox"/> Flower: attitude of petals 4 weeks after opening                                      | semi erect                 | semi erect to horizontal   |
| <input type="checkbox"/> Flower: length of sepal in relation to length of petal                                | less than one third        | less than one third        |
| <input checked="" type="checkbox"/> *Flower: main colour of petals on day of opening (RHS Colour Chart)        | 65A                        | 76A                        |
| <input checked="" type="checkbox"/> *Flower: main colour of petals 10-14 days after opening (RHS Colour Chart) | 80B                        | 77B-C                      |

|   |   |                              |                       |
|---|---|------------------------------|-----------------------|
| <input checked="" type="checkbox"/>                           | *Flower: main colour of petals 4 weeks after opening (RHS Colour Chart) | 80A                          | 77B                   |
| <input type="checkbox"/>                                      | Pedice: length  | medium                       | medium                |
| <input type="checkbox"/>                                      | Hypanthium: conspicuousness of longitudinal furrowing                   | medium                       | medium                |
| <input type="checkbox"/>                                      | Hypanthium: shape   | obconical                    | obconical             |
| <input type="checkbox"/>                                      | Hypanthium: diameter at widest part                                     | small                        | small to medium       |
| <input type="checkbox"/>                                      | Hypanthium: main colour at middle part                                  | yellow                       | yellow                |
| <input type="checkbox"/>                                      | *Sepal: incision of margin  | absent                       | absent                |
| <input type="checkbox"/>                                      | Petal: ratio length/width   | broader than long            | broader than long     |
| <input type="checkbox"/>                                      | Petal: undulation of margin   | weak                         | absent or very weak   |
| <input checked="" type="checkbox"/>                           | Stamen collar: colour at opening of flower                              | white                        | pink                  |
| <input type="checkbox"/>                                      | Stamen collar: colour 10-14 days after opening of flower                | white                        | white                 |
| <input type="checkbox"/>                                      | Receptacle: colour on day of opening of flower                          | light green                  | yellow green          |
| <input checked="" type="checkbox"/>                           | Receptacle: colour 4 weeks after opening of flower                      | light green                  | red purple            |
| <input checked="" type="checkbox"/>                           | Style: colour   | pink                         | purple                |
| <input type="checkbox"/>                                      | Time of: beginning of flowering   | medium                       | medium                |
| <b><u>Characteristics Additional to the Descriptor/TG</u></b> |   |                              |                       |
| <b>Organ/Plant Part: Context</b>                              |   | <b>‘Strawberry Surprise’</b> | <b>‘Jurien Brook’</b> |
| <input checked="" type="checkbox"/>                           | Flower: petaloid stamens  | present                      | absent                |

**Prior Applications and Sales**

Nil.

Description: **Brian Jack**, Western Flora, Coorow, WA.

**Details of Application**

|                           |  |
|---------------------------|--|
| <b>Application Number</b> | 2011/087   |
| <b>Variety Name</b>       | 'WX 56'  |
| <b>Genus Species</b>      | <i>Chamelaucium megalopetalum</i> X <i>c.uncinatum</i> |
| <b>Common Name</b>        | Waxflower  |
| <b>Synonym</b>            | Nil  |
| <b>Accepted Date</b>      | 25 May 2011  |
| <b>Applicant</b>          | Western Australian Agriculture Authority, Bentley, WA  |
| <b>Agent</b>              | N/A  |
| <b>Qualified Person</b>   | Philip Watkins   |

**Details of Comparative Trial**

|                            |   |
|----------------------------|---|
| <b>Location</b>            | Department of Agriculture, South Perth, WA  |
| <b>Descriptor</b>          | Waxflower ( <i>Chamelaucium</i> ) TG/225/1 Corr   |
| <b>Period</b>              | Sept 2010 - Sept 2012   |
| <b>Conditions</b>          | Plants propagated by cuttings, planted in containers and grown in open nursery conditions with drip irrigation and fertigation. |
| <b>Trial Design</b>        | 10 plants of each variety, replicated randomised block design.  |
| <b>Measurements</b>        | made on 10 typical organs from all plants.  |
| <b>RHS Chart - edition</b> | 1986  |

**Origin and Breeding**

Controlled pollination: *Chamelaucium megalopetalum* 'CM 5.5' (maternal parent) was crossed with *C. uncinatum* '827/887-8' at WA Department of Food and Agriculture Medina Research Station. An embryo was excised from resulting fruit produced in 2000 and germinated in vitro. Resulting seedling was subcultured in tissue culture 4 times, deflasked, hardened and planted in the field at Medina Research Station in May 2001. Following flowering in July 2002 seedling was vegetatively propagated via cuttings and a second generation of cuttings taken in March 2003. A subsequent generation was propagated vegetatively in 2009. Growth and flowering records of the generations were recorded during period 2002 to 2005 and again in 2010. No off types were recorded and all plants were found to be uniform and stable. Breeder: State of Western Australia through its Department of Agriculture and Food.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>         | <b>State of Expression in Group of Varieties</b> |
|-------------------------|------------------------|--|
| Flower                  | type                   | single   |
| Flower                  | diameter               | medium   |
| Flower                  | arrangements of petals | free   |
| Flower                  | attitude of petals     | semi erect                                       |
| Hypanthium              | shape                  | obconical  |
| Sepal                   | incision of margin     | absent   |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b>  | <b>Comments</b> |
|--------------|-----------------|
| 'WX58'       |                 |
| 'Purple Gem' |                 |



**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| <b>Organ/Plant Part: Context</b>   | <b>‘WX 56’</b>      | <b>‘Purple Gem’</b>        | <b>‘WX58’</b>       |
|--|---------------------|----------------------------|---------------------|
| <input checked="" type="checkbox"/> Leaf: attitude in relation to stem   | erect               | semi erect                 | erect to semi erect |
| <input checked="" type="checkbox"/> Leaf: length   | short to medium     | short                      | very short to short |
| <input type="checkbox"/> Leaf: shape in cross section  | triangular          | rounded                    | triangular          |
| <input checked="" type="checkbox"/> Flowering branch: angle of axillary shoot                                  | small               | large                      | small               |
| <input checked="" type="checkbox"/> Flowering branch: location of flowers                                      | terminal only       | both axillary and terminal | terminal only       |
| <input checked="" type="checkbox"/> Flower bud: colour of apex   | white               | pink                       | white               |
| <input type="checkbox"/> *Flower: type   | single              | single                     | single              |
| <input type="checkbox"/> *Flower: diameter   | medium              | medium                     | medium              |
| <input type="checkbox"/> Flower: arrangements of petals  | free                | free                       | free                |
| <input type="checkbox"/> Flower: attitude of petals on day of opening  | semi erect          | semi erect                 | semi erect          |
| <input type="checkbox"/> Flower: attitude of petals 4 weeks after opening                                      | semi erect          | semi erect                 | semi erect          |
| <input type="checkbox"/> Flower: length of sepal in relation to length of petal                                | less than one third | less than one third        | less than one third |
| <input type="checkbox"/> *Flower: main colour of petals on day of opening (RHS Colour Chart)                   | 155D                | 155D and 75D               | 155D                |
| <input checked="" type="checkbox"/> *Flower: main colour of petals 10-14 days after opening (RHS Colour Chart) | 68C                 | 75D                        | 68AB                |
| <input checked="" type="checkbox"/> *Flower: main colour of petals 4 weeks after opening (RHS Colour Chart)    | 64A                 | 72D                        | 59A                 |
| <input checked="" type="checkbox"/> Pedicel: length  | long                | short                      | long                |
| <input type="checkbox"/> Hypanthium: conspicuousness of longitudinal furrowing                                 | weak                | weak                       | weak                |
| <input type="checkbox"/> Hypanthium: shape   | obconical           | obconical                  | obconical           |
| <input type="checkbox"/> Hypanthium: diameter at widest part   | medium              | medium                     | medium              |
| <input type="checkbox"/> Hypanthium: main colour at middle part  | green               | green                      | green               |
| <input type="checkbox"/> *Sepal: incision of margin  | absent              | absent                     | absent              |
| <input type="checkbox"/> Petal: ratio length/width   | broader than long   | as long as broad           | as long as broad    |
| <input type="checkbox"/> Petal: undulation of margin   | absent or very weak | weak                       | absent or very weak |

|                                     |  |              |                 |              |
|-------------------------------------|--|--------------|-----------------|--------------|
| <input checked="" type="checkbox"/> | Stamen collar: colour at opening of flower               | white        | pink            | white        |
| <input type="checkbox"/>            | Stamen collar: colour 10-14 days after opening of flower | pink         | pink            | pink         |
| <input type="checkbox"/>            | Receptacle: colour on day of opening of flower           | yellow green | yellow green    | yellow green |
| <input checked="" type="checkbox"/> | Receptacle: colour 4 weeks after opening of flower       | medium green | red brown       | red brown    |
| <input checked="" type="checkbox"/> | Style: colour  | white        | pink            | pink         |
| <input type="checkbox"/>            | Time of: beginning of flowering                          | medium       | early to medium | medium       |

**Statistical Table****Organ/Plant Part: Context****‘WX 56’****‘Purple Gem’****‘WX58’**

|                                     |                       |       |        |        |
|-------------------------------------|-----------------------|-------|--------|--------|
| <input checked="" type="checkbox"/> | Leaf: length (mm)     |       |        |        |
|                                     | Mean                  | 12.75 | 11.50  | 10.60  |
|                                     | Std. Deviation        | 1.06  | 0.41   | 0.39   |
|                                     | LSD/sig               | 0.85  | P≤0.01 | P≤0.01 |
| <input checked="" type="checkbox"/> | Flower: diameter (mm) |       |        |        |
|                                     | Mean                  | 15.50 | 19.15  | 18.40  |
|                                     | Std. Deviation        | 0.53  | 0.67   | 0.46   |
|                                     | LSD/sig               | 0.425 | P≤0.01 | P≤0.01 |

**Prior Applications and Sales**

Nil

Description: **Philip Watkins** Singleton WA

**Details of Application**

|                           |  |
|---------------------------|--|
| <b>Application Number</b> | 2011/090   |
| <b>Variety Name</b>       | 'WX 58'  |
| <b>Genus Species</b>      | <i>Chamelaucium megalopetalum</i> x <i>c.uncinatum</i> |
| <b>Common Name</b>        | Waxflower  |
| <b>Synonym</b>            | Nil  |
| <b>Accepted Date</b>      | 25 May 2011  |
| <b>Applicant</b>          | Western Australian Agriculture Authority, Bentley, WA  |
| <b>Agent</b>              | N/A  |
| <b>Qualified Person</b>   | Philip Watkins   |

**Details of Comparative Trial**

|                            |  |
|----------------------------|--|
| <b>Location</b>            | Department of Agriculture, South Perth, WA   |
| <b>Descriptor</b>          | Waxflower ( <i>Chamelaucium</i> ) TG/225/1 Corr  |
| <b>Period</b>              | Sept 2010 - Sept 2012  |
| <b>Conditions</b>          | Plants propagated by cuttings, planted in containers and grown in open nursery with drip irrigation and fertigation. |
| <b>Trial Design</b>        | 10 plants of each variety, replicated randomised block design.   |
| <b>Measurements</b>        | made on 10 typical organs from all plants  |
| <b>RHS Chart - edition</b> | 1986   |

**Origin and Breeding**

Controlled pollination: *Chamelaucium megalopetalum* 'MB5.5' (maternal parent) was crossed with *C. uncinatum* '827/887-8' at WA Department of Food and Agriculture Medina Research Station. An embryo was excised from resulting fruit produced in 2000 and germinated in vitro. Resulting seedling was subcultured in tissue culture 4 times, deflasked, hardened and planted in the field at Medina Research Station in May 2001. Following flowering in July 2002 seedling was vegetatively propagated via cuttings and a second generation of cuttings taken in Feb-April 2003. A subsequent generation was propagated vegetatively in 2007. Growth and flowering records of the generations were recorded during period 2002 to 2009. No off types were recorded and all plants were found to be uniform and stable. Breeder: State of Western Australia through its Department of Agriculture and Food.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>         | <b>State of Expression in Group of Varieties</b> |
|-------------------------|------------------------|--|
| Flower                  | type                   | single   |
| Flower                  | diameter               | medium   |
| Flower                  | arrangements of petals | free   |
| Flower                  | attitude of petals     | semi erect                                       |
| Hypanthium              | shape                  | obconical  |
| Sepal                   | incision of margin     | absent   |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b>  | <b>Comments</b> |
|--------------|-----------------|
| 'WX 56'      |                 |
| 'Purple Gem' |                 |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety | Distinguishing Characteristics |        | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments |
|---------|--------------------------------|--------|--|---|----------|
| 'WX 87' | Style                          | colour | pink                                     | white                                     |          |
| 'WX 74' | Style                          | colour | pink                                     | white                                     |          |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context  | 'WX 58'             | 'Purple Gem'               | 'WX 56'             |
|--|---------------------|----------------------------|---------------------|
| <input type="checkbox"/> Leaf: attitude in relation to stem  | erect to semi erect | semi erect                 | erect               |
| <input checked="" type="checkbox"/> Leaf: length   | very short to short | short                      | short to medium     |
| <input type="checkbox"/> Leaf: shape in cross section  | triangular          | rounded                    | triangular          |
| <input checked="" type="checkbox"/> Flowering branch: angle of axillary shoot                                  | small               | large                      | small               |
| <input checked="" type="checkbox"/> Flowering branch: location of flowers                                      | terminal only       | both axillary and terminal | terminal only       |
| <input checked="" type="checkbox"/> Flower bud: colour of apex   | white               | pink                       | white               |
| <input type="checkbox"/> *Flower: type   | single              | single                     | single              |
| <input type="checkbox"/> *Flower: diameter   | medium              | medium                     | medium              |
| <input type="checkbox"/> Flower: arrangements of petals  | free                | free                       | free                |
| <input type="checkbox"/> Flower: attitude of petals on day of opening  | semi erect          | semi erect                 | semi erect          |
| <input type="checkbox"/> Flower: attitude of petals 4 weeks after opening                                      | semi erect          | semi erect                 | semi erect          |
| <input type="checkbox"/> Flower: length of sepal in relation to length of petal                                | less than one third | less than one third        | less than one third |
| <input type="checkbox"/> *Flower: main colour of petals on day of opening (RHS Colour Chart)                   | 155D                | 155D and 75D               | 155D                |
| <input checked="" type="checkbox"/> *Flower: main colour of petals 10-14 days after opening (RHS Colour Chart) | 68A - B             | 75D                        | 68C                 |
| <input checked="" type="checkbox"/> *Flower: main colour of petals 4 weeks after opening (RHS Colour Chart)    | 59A                 | 72D                        | 64A                 |
| <input checked="" type="checkbox"/> Pedicel: length  | long                | short                      | long                |
| <input type="checkbox"/> Hypanthium: conspicuousness of longitudinal furrowing                                 | weak                | weak                       | weak                |
| <input type="checkbox"/> Hypanthium: shape   | obconical           | obconical                  | obconical           |
| <input type="checkbox"/> Hypanthium: diameter at widest part   | medium              | medium                     | medium              |
| <input type="checkbox"/> Hypanthium: main colour at middle part  | green               | green                      | green               |
| <input type="checkbox"/> *Sepal: incision of margin  | absent              | absent                     | absent              |

|                                     |  |                     |                  |                     |
|-------------------------------------|--|---------------------|------------------|---------------------|
| <input type="checkbox"/>            | Petal: ratio length/width                                | as long as broad    | as long as broad | broader than long   |
| <input type="checkbox"/>            | Petal: undulation of margin                              | absent or very weak | weak             | absent or very weak |
| <input checked="" type="checkbox"/> | Stamen collar: colour at opening of flower               | white               | pink             | white               |
| <input type="checkbox"/>            | Stamen collar: colour 10-14 days after opening of flower | pink                | pink             | pink                |
| <input type="checkbox"/>            | Receptacle: colour on day of opening of flower           | yellow green        | yellow green     | yellow green        |
| <input checked="" type="checkbox"/> | Receptacle: colour 4 weeks after opening of flower       | red brown           | red brown        | medium green        |
| <input checked="" type="checkbox"/> | Style: colour  | pink                | pink             | white               |
| <input type="checkbox"/>            | Time of: beginning of flowering                          | medium              | early to medium  | medium              |

### **Statistical Table**

| <b>Organ/Plant Part: Context</b>                          | <b>‘WX 58’</b> | <b>‘Purple Gem’</b> | <b>‘WX56’</b> |
|---|----------------|---------------------|---------------|
| <input checked="" type="checkbox"/> Leaf: length (mm)     |                |                     |               |
| Mean  | 10.60          | 11.50               | 12.75         |
| Std. Deviation  | 0.39           | 0.41                | 1.06          |
| LSD/sig   | 0.31           | P≤0.01              | P≤0.01        |
| <input checked="" type="checkbox"/> Flower: diameter (mm) |                |                     |               |
| Mean  | 18.40          | 19.15               | 15.50         |
| Std. Deviation  | 0.46           | 0.67                | 0.53          |
| LSD/sig   | 0.37           | P≤0.01              | P≤0.01        |

### **Prior Applications and Sales**

Nil

Description: **Philip Watkins** Singleton WA

**Details of Application**

|                           |                                 |
|---------------------------|---------------------------------|
| <b>Application Number</b> | 2012/055                        |
| <b>Variety Name</b>       | 'WF MIM 5'                      |
| <b>Genus Species</b>      | <i>Chamelaucium uncinatum</i>   |
| <b>Common Name</b>        | Waxflower                       |
| <b>Synonym</b>            | Mim 5                           |
| <b>Accepted Date</b>      | 21 May 2012                     |
| <b>Applicant</b>          | Goldsash Pty Ltd, West Swan, WA |
| <b>Agent</b>              | Western Flora, Coorow, WA       |
| <b>Qualified Person</b>   | Brian Jack                      |

**Details of Comparative Trial**

|                            |  |
|----------------------------|--|
| <b>Location</b>            | Western Flora, Coorow, WA.   |
| <b>Descriptor</b>          | Waxflower ( <i>Chamelaucium</i> and hybrids with <i>Verticordia plumosa</i> ) (UPOV TG/225/1/ Corr.)   |
| <b>Period</b>              | 2011-12  |
| <b>Conditions</b>          | Planted in 125 mm pots in November 2011. Growing media local sand, peat moss, Perlite mixture with slow release fertiliser with pH 6.5. Plants were placed in shade house with 70% shade. Pots 300mm apart. Drip irrigation with 1x 4L/hour dripper per pot. Insect and other pest control was carried out when necessary. |
| <b>Trial Design</b>        | 10 pots of each variety per row with rows 300mm apart.   |
| <b>Measurements</b>        | Taken in accordance with UPOV technical guideline.   |
| <b>RHS Chart - edition</b> | 1986 edition   |

**Origin and Breeding**

Open pollination followed by seedling selection: The variety was selected from a stand of 'Mullering Brook' seedlings at Mullering Brook. The variety was distinctive by its apparent double flower and overlapping petals. Cuttings were collected and propagated for breeding and plantation trialling. Cuttings were taken for further breeding and selection and no offtypes were found after fifteen cycles of selection. Breeder: Brian Jack, Western Flora, Coorow, Western Australia.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>                                 | <b>State of Expression in Group of Varieties</b> |
|-------------------------|--|--|
| Flower                  | main colour of petals 10-14 days after opening | purple   |
| Flower                  | main colour of petals 4 weeks after opening    | purple   |
| Flower                  | type   | single   |
| Sepal                   | incision of margin                             | absent   |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b>           | <b>Comments</b> |
|-----------------------|-----------------|
| 'Jurien Brook'        |                 |
| 'Strawberry Surprise' |                 |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety           | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments  |
|-------------------|--------------------------------|--|---|---|
| 'Chantilly Lace'  | Flower main colour of petals   | purple                                   | white                                     | this variety has petaloid stamens but excluded because of white flower colour |
| 'Lilac Spring'    | Flower arrangements of petals  | overlapping                              | free                                      |   |
| 'Mullering Brook' | Flower stamens                 | absent                                   | present                                   | parental variety  |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context  | 'WF MIM 5'                 | 'Strawberry Surprise'      | 'Jurien Brook'             |
|--|----------------------------|----------------------------|----------------------------|
| <input type="checkbox"/> Leaf: attitude in relation to stem  | semi erect                 | semi erect                 | semi erect                 |
| <input type="checkbox"/> Leaf: length  | short to medium            | short to medium            | medium                     |
| <input type="checkbox"/> Leaf: shape in cross section  | rounded                    | rounded                    | rounded                    |
| <input type="checkbox"/> Flowering branch: angle of axillary shoot   | medium                     | medium                     | medium                     |
| <input type="checkbox"/> Flowering branch: location of flowers   | both axillary and terminal | both axillary and terminal | both axillary and terminal |
| <input type="checkbox"/> Flower bud: colour of apex  | pink                       | pink                       | pink                       |
| <input type="checkbox"/> *Flower: type   | single                     | single                     | single                     |
| <input checked="" type="checkbox"/> *Flower: diameter  | very small to small        | small                      | medium to large            |
| <input checked="" type="checkbox"/> Flower: arrangements of petals   | overlapping                | free                       | free                       |
| <input type="checkbox"/> Flower: attitude of petals on day of opening  | erect to semi erect        | semi erect                 | semi erect to horizontal   |
| <input type="checkbox"/> Flower: attitude of petals 4 weeks after opening                                      | semi erect                 | semi erect                 | semi erect to horizontal   |
| <input type="checkbox"/> Flower: length of sepal in relation to length of petal                                | less than one third        | less than one third        | less than one third        |
| <input checked="" type="checkbox"/> *Flower: main colour of petals on day of opening (RHS Colour Chart)        | 84A                        | 65A                        | 76A                        |
| <input checked="" type="checkbox"/> *Flower: main colour of petals 10-14 days after opening (RHS Colour Chart) | 84C                        | 80B                        | 77B-C                      |

|                                     |   |                   |                   |                     |
|-------------------------------------|---|-------------------|-------------------|---------------------|
| <input checked="" type="checkbox"/> | *Flower: main colour of petals 4 weeks after opening (RHS Colour Chart) | 84D               | 80A               | 77B                 |
| <input type="checkbox"/>            | Pedicel: length   | medium            | medium            | medium              |
| <input checked="" type="checkbox"/> | Hypanthium: conspicuousness of longitudinal furrowing                   | weak              | medium            | medium              |
| <input type="checkbox"/>            | Hypanthium: shape   | obconical         | obconical         | obconical           |
| <input type="checkbox"/>            | Hypanthium: diameter at widest part                                     | small             | small             | small to medium     |
| <input checked="" type="checkbox"/> | Hypanthium: main colour at middle part                                  | green             | yellow            | yellow              |
| <input type="checkbox"/>            | *Sepal: incision of margin  | absent            | absent            | absent              |
| <input type="checkbox"/>            | Petal: ratio length/width   | broader than long | broader than long | broader than long   |
| <input type="checkbox"/>            | Petal: undulation of margin   | medium to strong  | weak              | absent or very weak |
| <input checked="" type="checkbox"/> | Stamen collar: colour at opening of flower                              | white             | white             | pink                |
| <input type="checkbox"/>            | Stamen collar: colour 10-14 days after opening of flower                | white             | white             | white               |
| <input type="checkbox"/>            | Receptacle: colour on day of opening of flower                          | pink red          | light green       | yellow green        |
| <input checked="" type="checkbox"/> | Receptacle: colour 4 weeks after opening of flower                      | pink              | light green       | red purple          |
| <input checked="" type="checkbox"/> | Style: colour   | white             | pink              | purple              |
| <input checked="" type="checkbox"/> | Time of: beginning of flowering   | very late         | medium            | medium              |

#### **Characteristics Additional to the Descriptor/TG**

| <b>Organ/Plant Part: Context</b>                    | <b>‘WF MIM 5’</b> | <b>‘Strawberry Surprise’</b> | <b>‘Jurien Brook’</b> |
|---|-------------------|------------------------------|-----------------------|
| <input checked="" type="checkbox"/> Flower: stamens | absent            | present                      | present               |

#### **Prior Applications and Sales**

Nil.

Description: **Brian Jack**, Western Flora, Coorow, WA.



**Details of Application**

|                           |   |
|---------------------------|---|
| <b>Application Number</b> | 2011/088  |
| <b>Variety Name</b>       | 'WX 87'   |
| <b>Genus Species</b>      | <i>Chamelaucium uncinatum</i> x <i>C. megalopetalum</i> |
| <b>Common Name</b>        | Waxflower   |
| <b>Synonym</b>            | Nil   |
| <b>Accepted Date</b>      | 26 May 2011   |
| <b>Applicant</b>          | Western Australian Agriculture Authority, Bentley, WA   |
| <b>Agent</b>              | N/A   |
| <b>Qualified Person</b>   | Philip Watkins  |

**Details of Comparative Trial**

|                            |   |
|----------------------------|---|
| <b>Location</b>            | Department of Agriculture, South Perth, WA  |
| <b>Descriptor</b>          | Waxflower ( <i>Chamelaucium</i> ) TG/225/1 Corr   |
| <b>Period</b>              | Sept 2010 - Sept 2012   |
| <b>Conditions</b>          | Plants propagated by cuttings, planted in containers and grown in open nursery conditions with drip irrigation and fertigation. |
| <b>Trial Design</b>        | 10 plants of each variety, replicated randomised block design.  |
| <b>Measurements</b>        | made on 10 typical organs from all plants.  |
| <b>RHS Chart - edition</b> | 1986 and 2001   |

**Origin and Breeding**

Controlled pollination: *Chamelaucium uncinatum* 'BP Pale' (maternal parent) was pollinated by *C. megalopetalum* 'CM 11.1' at WA Department of Food and Agriculture Medina Research Station. An embryo was excised from resulting fruit produced in November 2001 and germinated in vitro. Resulting seedling was subcultured in tissue culture 4 times, deflasked, hardened and planted in the field at Medina Research Station in July 2002. Following flowering in August 2003, seedling was vegetatively propagated via cuttings and a second generation of cuttings taken in 2009. Growth and flowering records of the generations were recorded during period 2003 to 2010. No off types were recorded and all plants were found to be uniform and stable. Breeder: State of Western Australia through its Department of Agriculture and Food.

**Choice of Comparators** Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| <b>Organ/Plant Part</b> | <b>Context</b>         | <b>State of Expression in Group of Varieties</b> |
|-------------------------|------------------------|--|
| Flower                  | type                   | single   |
| Flower                  | diameter               | medium   |
| Flower                  | arrangements of petals | free   |
| Flower                  | attitude of petals     | semi erect                                       |
| Hypanthium              | shape                  | obconical  |
| Sepal                   | incision of margin     | absent   |

**Most Similar Varieties of Common Knowledge identified (VCK)**

| <b>Name</b>   | <b>Comments</b> |
|---------------|-----------------|
| 'WX 74'       |                 |
| 'Ivory Pearl' |                 |

**Varieties of Common Knowledge identified and subsequently excluded**

| Variety | Distinguishing Characteristics        | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments |
|---------|---------------------------------------|--|---|----------|
| 'WX 56' | Hypanthium main colour at middle part | yellow                                   | green                                     |          |

**Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.**

| Organ/Plant Part: Context  | 'WX 87'                    | 'Ivory Pearl'              | 'WX 74'                    |
|--|----------------------------|----------------------------|----------------------------|
| <input checked="" type="checkbox"/> Leaf: attitude in relation to stem   | erect                      | semi erect                 | erect                      |
| <input checked="" type="checkbox"/> Leaf: length   | short                      | medium                     | short                      |
| <input type="checkbox"/> Leaf: shape in cross section  | triangular                 | rounded                    | triangular                 |
| <input type="checkbox"/> Flowering branch: angle of axillary shoot   | small                      | small to medium            | small to medium            |
| <input type="checkbox"/> Flowering branch: location of flowers   | both axillary and terminal | both axillary and terminal | both axillary and terminal |
| <input type="checkbox"/> Flower bud: colour of apex  | white                      | white                      | white                      |
| <input type="checkbox"/> *Flower: type   | single                     | single                     | single                     |
| <input type="checkbox"/> *Flower: diameter   | medium                     | medium                     | medium                     |
| <input type="checkbox"/> Flower: arrangements of petals  | free                       | free                       | free                       |
| <input type="checkbox"/> Flower: attitude of petals on day of opening  | semi erect                 | semi erect                 | semi erect                 |
| <input type="checkbox"/> Flower: attitude of petals 4 weeks after opening                                      | semi erect                 | semi erect                 | semi erect                 |
| <input type="checkbox"/> Flower: length of sepal in relation to length of petal                                | less than one third        | less than one third        | less than one third        |
| <input type="checkbox"/> *Flower: main colour of petals on day of opening (RHS Colour Chart)                   | 155A                       | 155A                       | 155A                       |
| <input checked="" type="checkbox"/> *Flower: main colour of petals 10-14 days after opening (RHS Colour Chart) | NN155B-C                   | 155B-C                     | 155B-C                     |
| <input checked="" type="checkbox"/> *Flower: main colour of petals 4 weeks after opening (RHS Colour Chart)    | NN155B-C                   | 155C                       | 155C                       |
| <input checked="" type="checkbox"/> Pedicel: length  | long                       | long                       | short                      |
| <input type="checkbox"/> Hypanthium: conspicuousness of longitudinal furrowing                                 | weak                       | weak                       | weak                       |
| <input type="checkbox"/> Hypanthium: shape   | obconical                  | obconical                  | obconical                  |
| <input type="checkbox"/> Hypanthium: diameter at widest part   | medium                     | medium                     | medium                     |
| <input checked="" type="checkbox"/> Hypanthium: main colour at middle  | yellow                     | green                      | green                      |

| part                                |  |                  |                  |                  |
|-------------------------------------|--|------------------|------------------|------------------|
| <input type="checkbox"/>            | *Sepal: incision of margin                               | absent           | absent           | absent           |
| <input type="checkbox"/>            | Petal: ratio length/width                                | as long as broad | as long as broad | as long as broad |
| <input type="checkbox"/>            | Petal: undulation of margin                              | weak             | weak             | weak             |
| <input type="checkbox"/>            | Stamen collar: colour at opening of flower               | white            | white            | white            |
| <input type="checkbox"/>            | Stamen collar: colour 10-14 days after opening of flower | white            | white            | white            |
| <input checked="" type="checkbox"/> | Receptacle: colour on day of opening of flower           | yellow green     | light green      | medium green     |
| <input checked="" type="checkbox"/> | Receptacle: colour 4 weeks after opening of flower       | yellow green     | medium green     | medium green     |
| <input type="checkbox"/>            | Style: colour  | white            | white            | white            |
| <input type="checkbox"/>            | Time of: beginning of flowering                          | medium to late   | medium           | medium           |

#### **Characteristics Additional to the Descriptor/TG**

| <b>Organ/Plant Part: Context</b>                              | <b>‘WX 87’</b> | <b>‘Ivory Pearl’</b> | <b>‘WX 74’</b> |
|---|----------------|----------------------|----------------|
| <input checked="" type="checkbox"/> Receptacle: colour day 1  | yellow         | light green          | medium green   |
| <input checked="" type="checkbox"/> Receptacle: colour day 28 | yellow         | medium green         | medium green   |

#### **Statistical Table**

| <b>Organ/Plant Part: Context</b>                           | <b>‘WX 87’</b> | <b>‘Ivory Pearl’</b> | <b>‘WX 74’</b> |
|--|----------------|----------------------|----------------|
| <input checked="" type="checkbox"/> Flower : diameter (mm) |                |                      |                |
| Mean   | 18.45          | 21.10                | 18.10          |
| Std. Deviation   | 0.50           | 0.74                 | 0.39           |
| Lsd/sig  | 0.40           | P≤0.01               | ns             |
| <input checked="" type="checkbox"/> Leaf: length(mm)       |                |                      |                |
| Mean   | 12.45          | 18.90                | 13.55          |
| Std. Deviation   | 0.64           | 1.73                 | 0.76           |
| Lsd/sig  | 0.51           | P≤0.01               | P≤0.01         |

#### **Prior Applications and Sales**

Nil

Description: **Philip Watkins** Singleton WA

## GRANTS

*Actinidia chinensis*

KIWIFRUIT

### ‘Y368’<sup>ϕ</sup>

Application No: 2007/101

Applicant: **Donald Alfred Skelton**

Certificate No: 4472 Expiry Date: 18 September, 2032.

Agent: **Global Plant IP Pty Ltd**, Goondiwindi, QLD.

*Agave attenuata*

AGAVE

### ‘AGAVWS’<sup>ϕ</sup> syn **Silver Trim**<sup>ϕ</sup>

Application No: 2010/121

Applicant: **Lifetech Laboratories Ltd**

Certificate No: 4443 Expiry Date: 27 July, 2032.

Agent: **Greenhill's Propagation Nursery Pty Ltd**, Tynong,, VIC.

*Anigozanthos* hybrid

KANGAROO PAW

### ‘Amber Velvet’<sup>ϕ</sup>

Application No: 2005/047

Applicant: **George A Lullfitz**

Certificate No: 4450 Expiry Date: 22 August, 2032.

Agent: **Ozbreed Pty Ltd**, Richmond, NSW.

### ‘Rambubona’<sup>ϕ</sup> syn **Bush Bonanza**<sup>ϕ</sup>

Application No: 2007/295

Applicant: **Ramm Botanicals Holdings Pty Ltd**

Certificate No: 4473 Expiry Date: 18 September, 2032.

### ‘Rambudan’<sup>ϕ</sup> syn **Bush Dance**<sup>ϕ</sup>

Application No: 2007/293

Applicant: **Ramm Botanicals Holdings Pty Ltd**

Certificate No: 4471 Expiry Date: 17 September, 2032.

*Brachiaria ruziziensis* X *decumbens* X *brizantha*

BRACHIARIA HYBRID

**‘HSBR101’<sup>ϕ</sup>**

Application No: 2009/331

Applicant: **Centro Internacional de Agricultura Tropical (CIAT)**

Certificate No: 4457 Expiry Date: 27 August, 2032.

Agent: **Heritage Seeds Pty Ltd**, Dandenong South,, VIC.

**‘HSBR102’<sup>ϕ</sup>**

Application No: 2009/332

Applicant: **Centro Internacional de Agricultura Tropical (CIAT)**

Certificate No: 4456 Expiry Date: 27 August, 2032.

Agent: **Heritage Seeds Pty Ltd**, Dandenong South,, VIC.

**‘HSBR103’<sup>ϕ</sup>**

Application No: 2009/333

Applicant: **Centro Internacional de Agricultura Tropical (CIAT)**

Certificate No: 4455 Expiry Date: 27 August, 2032.

Agent: **Heritage Seeds Pty Ltd**, Dandenong South,, VIC.

**‘HSBR104’<sup>ϕ</sup>**

Application No: 2009/334

Applicant: **Centro Internacional de Agricultura Tropical (CIAT)**

Certificate No: 4454 Expiry Date: 27 August, 2032.

Agent: **Heritage Seeds Pty Ltd**, Dandenong South,, VIC.

*Dahlia* hybrid

DAHLIA

**‘Knockout’<sup>ϕ</sup> syn Mystic Sun<sup>ϕ</sup>**

Application No: 2007/321

Applicant: **Dr Keith Hammett**

Certificate No: 4460 Expiry Date: 3 September, 2032.

Agent: **Greenhills Propagation Nursery P/L**, Tynong,, Vic.

*Dahlia variabilis*

DAHLIA

**‘Zone Ten’<sup>ϕ</sup> syn Mystic Star<sup>ϕ</sup>**

Application No: 2007/038

Applicant: **Dr Keith Hammett**

Certificate No: 4461 Expiry Date: 5 September, 2032.  
Agent: **Greenhills Propagation Nursery P/L**, Tynong,, Vic.

*Fragaria xananassa*

STRAWBERRY

**‘DrisStrawNine’<sup>ϕ</sup>**

Application No: 2009/293  
Applicant: **Driscoll Strawberry Associates, Inc**  
Certificate No: 4452 Expiry Date: 21 August, 2032.  
Agent: **Phillips Ormonde & Fitzpatrick**, Melbourne,, VIC.

**‘PS-5298’<sup>ϕ</sup> syn BLISS<sup>ϕ</sup>**

Application No: 2008/056  
Applicant: **Plant Sciences Inc and Berry R&D Inc.**  
Certificate No: 4453 Expiry Date: 27 August, 2032.  
Agent: **WATERMARK Patent and Trademark Attorneys**, Hawthorn,, VIC.

**‘SweetEve’<sup>ϕ</sup>**

Application No: 2010/124  
Applicant: **Edward Vinson Limited**  
Certificate No: 4441 Expiry Date: 25 July, 2032.  
Agent: **Red Jewel Fruit Management Pty Ltd**, Ballandean, QLD.

**‘VALOR’<sup>ϕ</sup>**

Application No: 2008/300  
Applicant: **Plant Sciences Inc and Berry R&D Inc.**  
Certificate No: 4459 Expiry Date: 29 August, 2032.  
Agent: **Watermark Patent and Trademark Attorneys**, Hawthorn, VIC.

**‘BG-1975’<sup>ϕ</sup> syn Virtue<sup>ϕ</sup>**

Application No: 2009/326  
Applicant: **Berry Genetics, Inc.**  
Certificate No: 4458 Expiry Date: 28 August, 2032.  
Agent: **Watermark Patent and Trademark Attorneys**, Hawthorn, Vic.

**‘BG-959’<sup>ϕ</sup> syn AUS-SPLENDOR<sup>ϕ</sup>**

Application No: 2009/325  
Applicant: **Berry Genetics, Inc.**  
Certificate No: 4444 Expiry Date: 30 July, 2032.  
Agent: **Watermark Patent and Trademark Attorneys**, Hawthorn, Vic.

*Grevillea* hybrid

GREVILLEA

**‘TWD01’<sup>ϕ</sup>**

Application No: 2010/281

Applicant: **Tarrowood Native Nursery**

Certificate No: 4442 Expiry Date: 27 July, 2032.

Agent: **Ozbreed Pty Ltd**, Richmond, NSW.

*Helleborus* hybrid

WINTER ROSE

**‘WinterSunshine’<sup>ϕ</sup>**

Application No: 2010/282

Applicant: **Roger Harvey**

Certificate No: 4446 Expiry Date: 10 August, 2032.

Agent: **Plants Management Australia Pty Ltd**, Dodges Ferry, Tas.

*Malus domestica*

APPLE

**‘PremA280’<sup>ϕ</sup>**

Application No: 2009/142

Applicant: **Prevar Limited**

Certificate No: 4445 Expiry Date: 30 July, 2037.

Agent: **Australian Nurseryman's Fruit Improvement Company Limited**, Kallangur, QLD.

*Osteospermum ecklonis*

CAPE DAISY

**‘Balvoyelo’<sup>ϕ</sup>**

Application No: 2011/129

Applicant: **Ball Horticultural Company**

Certificate No: 4468 Expiry Date: 11 September, 2032.

Agent: **Ball Australia Pty. Ltd.**, Keysborough, VIC.

*Petunia*

PETUNIA

**‘Balperblues’<sup>ϕ</sup> syn Rhythm and Blues<sup>ϕ</sup>**

Application No: 2009/156

Applicant: **Ball Horticultural Company**  
 Certificate No: 4467 Expiry Date: 11 September, 2032.  
 Agent: **Ball Australia Pty. Ltd.**, Keysborough, VIC.

*Ptilotus* hybrid

PTILOTUS

**‘B123’**<sup>ϕ</sup>

Application No: 2011/172  
 Applicant: **The University of Queensland**  
 Certificate No: 4469 Expiry Date: 12 September, 2032.  
 Agent: **Fisher Adams Kelly**, Brisbane, QLD.

*Pyrus communis*

EUROPEAN PEAR

**‘Golden Belle’**<sup>ϕ</sup>

Application No: 2001/114  
 Applicant: **Antonio Alampi**  
 Certificate No: 4447 Expiry Date: 16 August, 2037.

*Rosa* hybrid

ROSE

**‘Grandakerue’**<sup>ϕ</sup>

Application No: 2009/289  
 Applicant: **Mr H Schreuders**  
 Certificate No: 4451 Expiry Date: 21 August, 2032.  
 Agent: **Grandiflora Nurseries Pty Ltd**, SKYE, VIC.

**‘Meijacolet’**<sup>ϕ</sup>

Application No: 2003/075  
 Applicant: **Meilland International S.A.**  
 Certificate No: 4449 Expiry Date: 20 August, 2032.  
 Agent: **Kim Syrus**, MYPONGA, SA.

**‘Olijbrau’**<sup>ϕ</sup>

Application No: 1999/158  
 Applicant: **Meilland Star Rose**  
 Certificate No: 4448 Expiry Date: 20 August, 2032.  
 Agent: **Kim Syrus**, MYPONGA, SA.



*Syzygium australe*

LILLY PILLY

**‘Golden Hedge’<sup>ϕ</sup> syn Little Ruffles<sup>ϕ</sup>**

Application No: 2010/022

Applicant: **Lloyd William Vagg**

Certificate No: 4462 Expiry Date: 4 September, 2037.

Agent: **Bush Garden Nursery Pty Ltd**, Upper Caboolture, Qld.

*Triticum aestivum*

WHEAT

**‘Both’<sup>ϕ</sup> syn DC005<sup>ϕ</sup>**

Application No: 2009/247

Applicant: **David Seth Cooper**

Certificate No: 4440 Expiry Date: 24 July, 2032.

**‘Corack’<sup>ϕ</sup>**

Application No: 2011/207

Applicant: **Australian Grain Technologies Pty Ltd**

Certificate No: 4465 Expiry Date: 6 September, 2032.

**‘Elmore CL Plus’<sup>ϕ</sup>**

Application No: 2011/210

Applicant: **Australian Grain Technologies Pty Ltd**

Certificate No: 4470 Expiry Date: 7 September, 2032.

**‘Suntop’<sup>ϕ</sup>**

Application No: 2011/205

Applicant: **Australian Grain Technologies Pty Ltd**

Certificate No: 4464 Expiry Date: 6 September, 2032.

**‘Wallup’<sup>ϕ</sup>**

Application No: 2011/208

Applicant: **Australian Grain Technologies Pty Ltd**

Certificate No: 4466 Expiry Date: 7 September, 2032.

*Triticum turgidum subsp. durum*

DURUM WHEAT

**‘Tjilkuri’**<sup>Φ</sup>

Application No: 2010/255

Applicant: **Adelaide Research & Innovation Pty Ltd, Grains Research & Development Corporation**

Certificate No: 4463 Expiry Date: 5 September, 2032.

Agent: **Adelaide Research & Innovation Pty Ltd**, Adelaide, SA.

**‘WID802’**<sup>Φ</sup>

Application No: 2011/231

Applicant: **Adelaide Research & Innovation Pty Ltd**

Certificate No: 4474 Expiry Date: 4 September, 2032.

**‘Yawa’**<sup>Φ</sup>

Application No: 2011/232

Applicant: **Adelaide Research & Innovation Pty Ltd**

Certificate No: 4475 Expiry Date: 4 September, 2032.

## Change of Agent

| App. No. | Genus                       | Species          | Variety       | Changed From        | Changed To                                |
|----------|-----------------------------|------------------|---------------|---------------------|---|
| 2009/315 | <i>Petunia xCalibrachoa</i> |                  | SAKPXC006     | Sakata Seed Oceania | Australian Horticultural Services Pty Ltd |
| 2009/316 | <i>Petunia xCalibrachoa</i> |                  | Kakegawa S91  | Sakata Seed Oceania | Australian Horticultural Services Pty Ltd |
| 2009/317 | <i>Petunia xCalibrachoa</i> |                  | SAKPXC005     | Sakata Seed Oceania | Australian Horticultural Services Pty Ltd |
| 2009/323 | <i>Petunia xCalibrachoa</i> |                  | Kakegawa S89  | Sakata Seed Oceania | Australian Horticultural Services Pty Ltd |
| 2009/322 | <i>Impatiens</i>            | hybrid           | SAKIMP018     | Sakata Seed Oceania | Australian Horticultural Services Pty Ltd |
| 2009/321 | <i>Impatiens</i>            | hybrid           | SAKIMP012     | Sakata Seed Oceania | Australian Horticultural Services Pty Ltd |
| 2009/320 | <i>Impatiens</i>            | hybrid           | SAKIMP011     | Sakata Seed Oceania | Australian Horticultural Services Pty Ltd |
| 2009/319 | <i>Impatiens</i>            | hybrid           | SAKIMP009     | Sakata Seed Oceania | Australian Horticultural Services Pty Ltd |
| 2011/186 | <i>Lens</i>                 | <i>culinaris</i> | PBA Herald XT |                     | PB Seeds                                  |

## Denomination Changed

| <b>Application No.</b> | <b><i>Genus</i></b> | <b><i>Species</i></b> | <b>Common Name</b> | <b>Changed From</b> | <b>Changed To</b> |
|------------------------|---------------------|-----------------------|--------------------|---------------------|-------------------|
| 2012/056               | <i>Cenchrus</i>     | <i>ciliaris</i>       | Buffel Grass       | PS-711              | Lakota            |
| 2010/162               | <i>Macroptilium</i> | <i>bracteatum</i>     | Burgundy Beans     | 08P3-2              | Presto            |
| 2010/163               | <i>Macroptilium</i> | <i>bracteatum</i>     | Burgundy Beans     | 08P24-4             | Garnet            |
|                        |                     |                       |                    |                     |                   |

## WITHDRAWN

The following varieties are no longer under PBR provisional protection

| App. No. | Genus             | Species                                 | Common Name      | Variety         |
|----------|-------------------|---|------------------|-----------------|
| 2011/167 | <i>Solanum</i>    | <i>tuberosum</i>                        | Potato           | Mirridong       |
| 2011/083 | <i>Agonis</i>     | <i>flexuosa</i>                         | Willow Myrtle    | AG01            |
| 2011/159 | <i>Rosa</i>       | hybrid                                  | Rose             | KORartisch      |
| 2009/046 | <i>Solanum</i>    | <i>tuberosum</i>                        | Potato           | A168a           |
| 2009/047 | <i>Solanum</i>    | <i>tuberosum</i>                        | Potato           | TC10-C1         |
| 2009/048 | <i>Solanum</i>    | <i>tuberosum</i>                        | Potato           | TC9-M4          |
| 2011/076 | <i>Acacia</i>     | <i>acinacea</i>                         | Gold-dust wattle | AC01            |
| 2011/028 | <i>Hordeum</i>    | <i>vulgare</i>                          | Barley           | Whitestallion   |
| 2008/030 | <i>Patersonia</i> | <i>occidentalis</i>                     | Long-Purple-flag | Little Pat      |
| 2009/365 | <i>Verbena</i>    | <i>x hybrida</i>                        | Verbena          | V6073           |
| 2009/054 | <i>Kalanchoe</i>  | <i>blossfeldiana x laciniata hybrid</i> | Kalanchoe        | AfricanSunshine |

## Grants Surrendered

| App. No. | Genus                 | Species            | Variety        | Synonym      | Common Name                 |
|----------|-----------------------|--------------------|----------------|--------------|-----------------------------|
| 2008/059 | <i>Fragaria</i>       | <i>xananassa</i>   | MACARENA       |              | Strawberry                  |
| 2000/126 | <i>Codiaeum</i>       | <i>variegatum</i>  | Zulu           |              | Variegated Croton           |
| 1995/134 | <i>Austromyrtus</i>   | <i>inophloia</i>   | Aurora         |              | Austromyrtus                |
| 2009/117 | <i>Vaccinium</i>      | hybrid             | Ridley 1202    |              | Southern Highbush Blueberry |
| 2009/118 | <i>Vaccinium</i>      | hybrid             | Ridley 0328    |              | Southern Highbush Blueberry |
| 1999/338 | <i>Medicago</i>       | hybrid             | Toreador       |              | Medic                       |
| 1997/088 | <i>Ficus</i>          | <i>benjamina</i>   | Vivian         | Indigo       | Weeping Fig                 |
| 1999/149 | <i>Ficus</i>          | <i>elastica</i>    | Melany         |              | India Rubber Tree           |
| 2003/247 | <i>Osteospermum</i>   | <i>fruticosum</i>  | Kakegawa AU2   | Blush Mist   | Cape Daisy                  |
| 2003/249 | <i>Osteospermum</i>   | <i>fruticosum</i>  | Kakegawa AU6   | Lemon Mist   | Cape Daisy                  |
| 2004/336 | <i>Alstroemeria</i>   | hybrid             | Zalsarest      | Everest      | Peruvian Lily               |
| 2009/281 | <i>Plumeria</i>       | <i>Obtusa</i>      | Australiagold  |              | Evergreen Frangipani        |
| 2001/282 | <i>Lilium</i>         | hybrid             | Canberra       |              | Lily                        |
| 1992/164 | <i>Helipterum</i>     | <i>anthemoides</i> | PAPER STAR     |              | Paper Daisy                 |
| 1995/110 | <i>Pandorea</i>       | <i>jasminoides</i> | SOUTHERN BELLE |              | Bower of Beauty             |
| 2009/014 | <i>xTriticosecale</i> |                    | Tuckerbox      |              | Triticale                   |
| 2005/340 | <i>Fragaria</i>       | <i>xananassa</i>   | Cal Giant 5    | Galexia      | Strawberry                  |
| 2004/287 | <i>Diascia</i>        | hybrid             | Codiwim        |              | Twinspur                    |
| 1999/116 | <i>Rosa</i>           | hybrid             | Ausway         | Noble Antony | Rose                        |
| 1994/154 | <i>Limonium</i>       | <i>altaica</i>     | TALL EMILLE    |              | Limonium                    |
| 2009/029 | <i>Alstroemeria</i>   | hybrid             | Konanel        |              | Peruvian Lily               |
| 1994/108 | <i>Medicago</i>       | <i>sativa</i>      | Eureka         |              | Lucerne                     |
| 1992/097 | <i>Medicago</i>       | <i>sativa</i>      | Sceptre        |              | Lucerne                     |
| 2001/125 | <i>Trifolium</i>      | <i>hybridum</i>    | Hytas          |              |                             |

## GRANTS REVOKED

The following varieties are no longer  
under PBR protection

| App No.  | Genus            | Species         | Variety     | Synonym    | Common Name |
|----------|------------------|-----------------|-------------|------------|-------------|
| 1999/070 | <i>Paulownia</i> | <i>fortunei</i> | EFF NO.1    |            | Paulownia   |
| 1997/145 | <i>Hordeum</i>   | <i>vulgare</i>  | UNICORN     | KINUKEI 21 | Barley      |
| 1995/240 | <i>Prunus</i>    | <i>persica</i>  | KING ALVISE |            | Peach       |
| 2000/346 | <i>Capsicum</i>  | <i>annuum</i>   | Kapuchin    |            | Capsicum    |

## CORRIGENDA

### SUGARCANE

*Saccharum* hybrid

#### ‘Q246’

Application No: 2011/169

The claim of distinctness on Leaf sheath: shape of overlapping auricles has been removed from the published detailed description (PVJ 24.4) because this characteristic does not meet the PBR distinctness requirement

#### ‘Q247’

Application No: 2011/170

The claim of distinctness on Plant: adherence of leaf sheath has been removed from the published detailed description (PVJ 24.4) because this characteristic does not meet the PBR distinctness requirement.

### Dahlia

*Dahlia variabilis*

#### ‘Scarlet Fern’

Application No: 2007/037

The Varieties of Common Knowledge identified and subsequently excluded table of the above variety (published in PVJ 24.1, page -171) should be replaced with the following table:

#### **Varieties of Common Knowledge identified and subsequently excluded**

| <b>Variety</b>       | <b>Distinguishing Characteristics</b> |  | <b>State of Expression in Candidate Variety</b> | <b>State of Expression in Comparator Variety</b> | <b>Comments</b> |
|----------------------|---------------------------------------|--|---|--|-----------------|
| ‘Bishop of Llandaff’ | flower                                | head type  | single  | semi double                                      |                 |
| ‘VDTG61’             | peduncle<br>ray floret                | length<br>secondary<br>colour on the<br>inner side | medium<br>yellow orange                         | short<br>orange red                              |                 |

### Spreading Flax-lily

*Dianella revoluta*

#### ‘Allyn-Citation’

Application No: 2007/177

The claim of distinctness on Leaf: length has been removed from the published detailed description (PVJ 24.1) because this characteristic does not meet the PBR uniformity requirement



## Part 3 Appendices

The appendices to *Plant Varieties Journal* (**Vol. 25 Issue 3**) are listed below:

- [Home](#)
- [Appendix 1 - Fees](#)
- [Appendix 2 - Plant Breeder's Rights Advisory Committee](#)
- [Appendix 3 - Index of Accredited Consultant 'Qualified Persons'](#)
- [Appendix 4 - Index of Accredited Non-Consultant 'Qualified Persons'](#)
- [Appendix 5 - Addresses of UPOV and Member States](#)
- [Appendix 6 - Centralised Testing Centres](#)
- [Appendix 7 - List of Plant Classes for Denomination Purposes](#)
- [Appendix 8 - Register of Plant Varieties](#)

## Appendix -1 –Fees

This page sets out the PBR fees associated with applications, examination, certificates, annual and Qualified Person accreditation fees. Please note upcoming changes to fees. Some changes are from 1st July 2012 while others are from 1 October 2012. For more information please read our news article on the [Fee Review Update](#). We will advise of the “[approved means](#)” in advance. These are likely to be electronic and web-based transaction channels.

PBR fees are subject to change. GST does not apply to these statutory fees under Division 81 of the [GST Act 1999](#).

### New Application

The Application Fee must accompany the Part 1 application at the time of lodgement. It covers an initial 'examination for acceptance', the issue of a letter of acceptance and provisional protection.

| Fee Item/Action | Current Fee | Fee from 1 October 2012 Fee    |                  |
|-----------------|-------------|--------------------------------|------------------|
|                 |             | <a href="#">Approved Means</a> | By Another Means |
| PBR Application | \$300       | \$345                          | \$445            |

### Examination

Applicants have twelve months from the date of acceptance to pay the Lodgement of the Detailed Description Fee (commonly referred to as the “Examination Fee”). The time limit to pay examination fees on imported varieties can be deferred for a maximum of 12 months after the variety has been released from quarantine - contact the PBR Office for further details.

The “Examination Fee” pays for the assessment of the description, the publication of the description and photograph of the new variety in Plant Varieties Journal, the field examination (if any), and any other enquiries necessary to establish eligibility for PBR. examination of the application, including field examination and publication of the description and photograph, will not commence until the Examination Fee has been received.

After the description has been published, successful applicants will be asked to pay the Certificate Fee. This covers the final examination of all details, the production of a certificate and copy of the variety’s description in the PBR Register.

| Fee Item/Action                                       | Fee from 1 July 2012 |
|---|----------------------|
| Examination - Single Application                      | \$1610               |
| Examination - Application based on overseas test data | \$1610               |

|  |        |
|--|--------|
| Examination - multiple application rate applicable only when 2 or more varieties of the same species tested at the same site in Australia and when applications and descriptions are lodged simultaneously by the same applicant and QP and examined simultaneously (fee for each variety) | \$1380 |
| Examination - at an authorised Centralised Testing Centre when 5 or more candidate varieties of the same genus are tested simultaneously (fee for each variety)  | \$920  |
| Certificate  | \$345  |

### Annual Fee

An Annual Maintenance Fee (sometimes called the Annual or Renewal Fee) is payable each year on the anniversary of the granting of the right. The Annual Maintenance Fee must be paid to maintain the grant.

| Fee Item/Action | Fee from 1 July 2012 |                  |
|-----------------|----------------------|------------------|
|                 | Approved Means       | By Another Means |
| Annual Fee      | \$345                | \$395            |

### Qualified Person

| Fee Item/Action                                       | Fee from 1 July 2012 Fee |
|---|--------------------------|
| Application for Accreditation as a Qualified Person   | \$50                     |
| Renewal of Qualified Person Accreditation (each year) | \$50                     |

**APPENDIX 2****Plant Breeders Rights Advisory Committee (PBRAC)**

(Members of the PBRAC hold office in accordance with Section 85 of the *Plant Breeder's Rights Act 1994*.)

**Committee Members**

|   |   |
|---|---|
| <p><b>Member Representing Plant Breeders</b></p> <p>Mr Christopher Prescott<br/>Prescott Roses Pty Ltd<br/>PO Box 507<br/>BERWICK VIC 3806</p>  | <p><b>Member Representing Plant Breeders</b></p> <p>Mr Denis McGrath<br/>Advise Pty Ltd<br/>PO Box 63<br/>INVERLEIGH 3321</p>                                     |
| <p><b>Member Representing Users</b></p> <p>Mr Kerrie Gleeson<br/>Australian Grain Technologies<br/>23 Pinehurst Avenue<br/><br/>PO Box 26<br/>DUBBO NSW 2830</p>                            | <p><b>Member Representing Consumers</b></p> <p>Ms Penny Hendy<br/>483 Ross Road<br/>KATUNGA VIC 3640</p>  |
| <p><b>Member Representing Conservation</b></p> <p>Professor Robert Henry<br/>Centre for Plant Conservation Genetics<br/>South Cross University<br/><br/>PO Box 157<br/>LISMORE NSW 2480</p> | <p><b>Member Representing Indigenous Interests</b></p> <p>Mr John Collyer<br/>Worn Gundidj Aboriginal Cooperative<br/>PO Box 1134<br/>Warrnambool VIC 3280</p>    |
| <p><b>Member with Appropriate Qualifications</b></p> <p>Mr Benny Browne<br/>Griffith Hack<br/>509 St Kilda Road<br/>MELBOURNE VIC 3004</p>  | <p><b>Member with Appropriate Qualifications</b></p> <p>Professor Brad Sherman<br/>TC Beirne School of Law<br/>University of Queensland<br/>ST LUCIA QLD 4072</p> |
| <p><b>Chair (Delegate of the PBR Registrar)</b></p> <p>Mr Doug Waterhouse<br/>IP Australia<br/>PO Box 200<br/>Woden ACT 2606</p>  |   |

**APPENDIX 3 - INDEX OF ACCREDITED CONSULTANT 'QUALIFIED PERSONS'**

The following persons have been accredited by the PBR office based on information provided by these persons. From the information provided by the applicants, the PBR office believes that these people can fulfil the role of 'qualified person' in the application for plant breeder's rights. Neither accreditation nor publication of a name in the list of persons is an implicit recommendation of the person so listed. The PBR office cannot be held liable for damages that may arise from the omission or inclusion of a person's name in the list nor does it assume any responsibility for losses or damages arising from agreements entered into between applicants and any person in the list of accredited persons. Qualified persons charge a fee for services rendered.

**A guide to the use of the index of consultants:**

- locate in the left column of Table 1 the plant group for which you are applying;
- listed in the right column are the names of accredited qualified persons from which you can choose a consultant;
- in Table 2 find that consultant's name, telephone number and area in which they are willing to consult (they may consult outside the nominated area);
- using the "Nomination of Qualified Person" form as a guide, agree provisionally on the scope and terms of the consultancy; complete the form and attach it to Part 1 of the application form;
- when you are notified that your nomination of a consultant qualified person is acceptable in the letter of acceptance of your application for PBR you should again consult the qualified person when planning the rest of the application for PBR.

TABLE 1

| PLANT<br>GROUP/SPECIES/FAMILY | CONSULTANT'S NAME<br>(TELEPHONE AND AREA IN TABLE 2)    |
|-------------------------------|---|
| Actinidia                     | Lye, Colin<br>Paananen, Ian<br>Richards, Graeme         |
| Agapanthus                    | Paananen, Ian   |
| Almonds                       | Cottrell, Matthew<br>Granger, Andrew<br>Swinburn, Garth |
| Alstroemeria                  | Paananen, Ian   |
| Ajuga                         | Paananen, Ian   |

|                 |   |
|-----------------|---|
| Apple           | Buchanan, Peter<br>Cramond, Gregory<br>Darmody, Liz<br>Engel, Richard<br>Fleming, Graham<br>Langford, Garry<br>Mackay, Alastair<br>Malone, Michael<br>Mitchell, Leslie<br>Paananen, Ian<br>Portman, Anthony<br>Scholefield, Peter<br>Tancred, Stephen<br>Valentine, Bruce |
| Anigozanthos    | Paananen, Ian<br>Kirby, Greg<br>Smith, Daniel   |
| Anthurium       | Paananen, Ian   |
| Aroid           | Harrison, Peter   |
| Avocado         | Cottrell, Matthew<br>Lye, Colin<br>Edwards, Arthur<br>MacGregor, Alison<br>Owen-Turner, John<br>Parr, Wayne<br>Swinburn, Garth<br>Whiley, Tony  |
| Azalea          | Barrett, Mike<br>Hempel, Maciej<br>Paananen, Ian  |
| Barley (Common) | Collins, David<br>Downes, Ross<br>Platz, Greg<br>Rhodes, Phil<br>Rogers, Clinton<br>Saunders, James   |
| Berry Fruit     | Darmody, Liz<br>Fleming, Graham<br>Scholefield, Peter<br>Zorin, Margaret  |
| Blackberry      | Paananen, Ian   |
| Blandfordia     | Treverrow, Florence   |
| Blueberry       | Paananen, Ian<br>Scalzo, Jessica<br>Zorin, Margaret   |
| Boronia         | Umaretiya, Praful   |

|   |   |
|---|---|
| Bougainvillea   | Iredell, Janet Willa<br>Prince, John  |
| Brachyscome   | Paananen, Ian   |
| Brassica  | Bannan, Nathaniel<br>Chequer, Robert<br>Cooper, Kath<br>Downes, Ross<br>Easton, Andrew<br>Fennell, John<br>Gororo, Nelson<br>Johnston, Evan<br>Kadkol, Gururaj<br>Laker, Richard<br>Light, Kate<br>McMichael, Prue<br>O'Connell Peter<br>Rhodes, Phil<br>Rudolph, Paul<br>Sanders, Milton<br>Saunders, James<br>Scholefield, Peter<br>Mouwen, Heidi<br>Watson, Brigid<br>Zadow, Diane |
| Brunia  | Dunstone, Bob   |
| Buddleia  | Robb, John<br>Paananen, Ian   |
| Buffalo Grass   | Paananen, Ian   |
| Calibrachoa   | Paananen, Ian   |
| Callistemon   | Parsons, Rodney   |
| Camellia  | Paananen, Ian<br>Robb, John   |
| Cannabis (low THC varieties only and subject to holding a current licence from the appropriate authority) | Warner, Philip  |
| Carnation/Dianthus  | Paananen, Ian   |
| Chamelaucium  | Umaretiya, Praful   |

|               |   |
|---------------|---|
| Cereals       | Bullen, Kenneth<br>Collins, David<br>Cook, Bruce<br>Cooper, Kath<br>Downes, Ross<br>Fennell, John<br>Hare, Raymond<br>Harrison, Peter<br>Henry, Robert J<br>Johnston, Evan<br>Mitchell, Leslie<br>Moore, Stephen<br>Oates, John<br>Platz, Greg<br>Porter, Richard<br>Poulsen, David<br>Rhodes, Phil<br>Roake, Jeremy<br>Rogers, Clinton<br>Rose, John<br>Saunders, James<br>Siedel, John<br>Watson, Brigid<br>Wilson, Frances |
| Cherry        | Cramond, Gregory<br>Darmody, Liz<br>Fleming, Graham<br>Granger, Andrew<br>Mackay, Alastair<br>Mitchell, Leslie<br>Pumpa, Lucy<br>Scholefield, Peter   |
| Chickpeas     | Downes, Ross<br>Collins, David<br>Goulden, David<br>Rhodes, Phil<br>Saunders, James   |
| Chrysanthemum | Paananen, Ian   |
| Citrus        | Calabria, Patrick<br>Cottrell, Matthew<br>Edwards, Arthur<br>Lee, Slade<br>MacGregor, Alison<br>Mitchell, Leslie<br>Owen-Turner, John<br>Parr, Wayne<br>Scholefield, Peter<br>Swinburn, Garth<br>Sykes, Stephen<br>Topp, Bruce  |
| Clivia        | Smith, Kenneth  |



|                  |  |
|------------------|--|
| Clover           | Bannan, Nathaniel<br>Downes, Ross<br>James, Jennifer<br>Johnston, Evan<br>Lake, Andrew<br>Miller, Jeff<br>Mitchell, Leslie<br>Nichols, Phillip<br>Porter, Richard<br>Rhodes, Phil<br>Saunders, James<br>Watson, Brigid |
| Cucurbits        | Herrington, Mark<br>McMichael, Prue<br>O'Connell Peter<br>Paananen, Ian<br>Rhodes, Phil<br>Scholefield, Peter<br>Sykes, Stephen  |
| Desmanthus       | Brennan, Paul  |
| Dianella         | Paananen, Ian  |
| Dogwood          | Darmody, Liz<br>Fleming, Graham  |
| Echinacea        | Paananen, Ian  |
| Eremophila       | Parsons, Rodney  |
| Eucalyptus       | Paananen, Ian  |
| Euphorbia        | Paananen, Ian  |
| Feijoa           | Parr, Wayne<br>Scholefield, Peter  |
| Fibre Crops      | Gillespie, David   |
| Fig              | Darmody, Liz<br>Fleming, Graham<br>Parr, Wayne   |
| Flower Bulbs     | Verdegaal, John  |
| Forage Brassicas | Goulden, David<br>Rhodes, Phil<br>Saunders, James  |

|                |   |
|----------------|---|
| Forage Grasses | Bannan, Nathaniel<br>Downes, Ross<br>Fennell, John<br>Harrison, Peter<br>Johnston, Evan<br>Kirby, Greg<br>Mitchell, Leslie<br>Rhodes, Phil<br>Smith, Kevin<br>Watson, Brigid  |
| Forage Legumes | Downes, Ross<br>Fennell, John<br>Foster, Kevin<br>Harrison, Peter<br>Hill, Jeff<br>James, Jennifer<br>Lake, Andrew<br>Miller, Jeff<br>Porter, Richard<br>Rhodes, Phil<br>Saunders, James<br>Siedel, John  |
| Fruit          | Brown, Gordon<br>Cramond, Gregory<br>Cottrell, Matthew<br>Darmody, Liz<br>Delaporte, Kate<br>Fleming, Graham<br>Gillespie, David<br>Granger, Andrew<br>Kennedy, Peter<br>Lenoir, Roland<br>McCarthy, Alec<br>Mitchell, Leslie<br>Paananen, Ian<br>Parr, Wayne<br>Pumpa, Lucy<br>Schapel, Amanda<br>Scholefield, Peter |
| Fuchsia        | Paananen, Ian   |
| Gerbera        | Paananen, Ian   |
| Ginger         | Smith, Mike<br>Whiley, Tony   |

|              |  |
|--------------|--|
| Grape        | Burne, Peter<br>Cottrell, Matthew<br>Darmody, Liz<br>Delaporte, Kate<br>Farquhar, Wayne<br>Fleming, Graham<br>Lye, Colin<br>MacGregor, Alison<br>Mitchell, Leslie<br>Paananen, Ian<br>Parr, Wayne<br>Porter, Richard<br>Pumpa, Lucy<br>Schapel, Amanda<br>Scholefield, Peter<br>Smith, Daniel<br>Swinburn, Garth<br>Sykes, Stephen<br>Valentine, Bruce |
| Grevillea    | Dunstone, Bob<br>Herrington, Mark<br>Paananen, Ian<br>Parsons, Rodney<br>Umaretiya, Praful   |
| Gypsophila   | Paananen, Ian  |
| Hardenbergia | Dunstone, Bob  |
| Hops         | Paananen, Ian  |
| Hydrangea    | Hanger, Brian<br>Paananen, Ian   |
| Impatiens    | Paananen, Ian  |
| Jojoba       | Dunstone, Bob  |
| Kalanchoe    | Paananen, Ian  |
| Lavender     | Paananen, Ian  |
| Legumes      | Aberdeen, Ian<br>Collins, David<br>Cook, Bruce<br>Cruickshank, Alan<br>Downes, Ross<br>Foster, Kevin<br>Harrison, Peter<br>Kadkol, Gururaj<br>Kirby, Greg<br>Lake, Andrew<br>Loch, Don<br>Mitchell, Leslie<br>Rhodes, Phil<br>Rose, John<br>Saunders, James<br>Siedel, John  |

|                   |   |
|-------------------|---|
| Lentils           | Collins, David<br>Downes, Ross<br>Goulden, David<br>Porter, Richard<br>Rhodes, Phil<br>Saunders, James  |
| Lilium            | Paananen, Ian   |
| Liriope           | Paananen, Ian   |
| Lettuce           | O'Connell, Peter  |
| Lomandra          | Paananen, Ian   |
| Lucerne           | Bannan, Nathaniel<br>Downes, Ross<br>Johnston, Evan<br>Lake, Andrew<br>Mitchell, Leslie<br>Nichols, Phillip<br>Porter, Richard<br>Rhodes, Phil<br>Saunders, James |
| Lupin             | Collins, David<br>Sanders, Milton<br>Rhodes, Phil<br>Saunders, James  |
| Macadamia         | Hockings, David   |
| Magnolia          | Paananen, Ian   |
| Mandevilla        | Paananen, Ian   |
| Mango             | Lye, Colin<br>Owen-Turner, John<br>Mitchell, Leslie<br>Parr, Wayne<br>Whiley, Tony  |
| Mushrooms, edible | Wong, Percy   |
| Myrtaceae         | Dunstone, Bob   |
| Myrtus            | Buchanan, Peter   |
| Native grasses    | Paananen, Ian<br>Quinn, Patrick   |
| Oat               | Collins, David<br>Downes, Ross<br>Platz, Greg<br>Rhodes, Phil<br>Rogers, Clinton<br>Saunders, James   |

## Oilseed crops

Downes, Ross  
Oates, John  
Poulsen, David  
Siedel, John  
Rhodes, Phil  
Saunders, James

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## Olives

Bazzani, Mr Luigi  
Granger, Andrew  
Lunghusen, Mark

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## Onions

Bannan, Nathaniel  
Fennell, John  
Laker, Richard  
McMichael, Prue  
O'Connell Peter  
Scholefield, Peter  
Rhodes, Phil

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## Ornamentals - Exotic

Abell, Peter  
Armitage, Paul  
Angus, Tim  
Barth, Gail  
Collins, Ian  
Cunneen, Thomas  
Darmody, Liz  
Delaporte, Kate  
Eggleton, Steve  
Fisk, Anne Marie  
Fleming, Graham  
Guy, Gareme  
Harrison, Dion  
Harrison, Peter  
Hempel, Maciej  
Hockings, David  
Johnston, Margaret  
Lamont, Greg  
Larkman, Clive  
Lenoir, Roland  
Lowe, Greg  
Lunghusen, Mark  
Mackinnon, Amanda  
Marcsik, Doris  
McMichael, Prue  
Milne,Carolynn  
Mitchell, Hamish  
Mitchell, Leslie  
Oates, John  
O'Brien, Shaun  
Paananen, Ian  
Prescott, Chris  
Prince, John  
Robb, John  
Pumpa, Lucy  
Schapel, Amanda  
Scholefield, Peter  
Singh, Deo  
Stewart, Angus  
Van der Staay,  
Rosemaree Anne  
Watkins, Phillip  
Watkinson, Andrew

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## Ornamentals - Indigenous

Abell, Peter  
 Allen, Paul  
 Angus, Tim  
 Barrett, Mike  
 Barth, Gail  
 Cunneen, Thomas  
 Delaporte, Kate  
 Downes, Ross  
 Eggleton, Steve  
 Granger, Andrew  
 Harrison, Dion  
 Harrison, Peter  
 Henry, Robert J  
 Hockings, David  
 Jack, Brian  
 Johnston, Margaret  
 Kirby, Greg  
 Lee, Slade  
 Lenoir, Roland  
 Lowe, Greg  
 Lunghusen, Mark  
 Mackinnon, Amanda  
 McMichael, Prue  
 Milne,Carolynn  
 Mitchell, Hamish  
 Molyneux, W M  
 Oates, John  
 O'Brien, Shaun  
 Paananen, Ian  
 Prince, John  
 Pumpa, Lucy  
 Schapel, Amanda  
 Scholefield, Peter  
 Singh, Deo  
 Slater, Tony  
 Tan, Beng  
 Watkins, Phillip

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 Ornithopus

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 Foster, Kevin  
 Nichols, Phillip

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 Osmanthus

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 Paananen, Ian  
 Robb, John

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 Osteospermum

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 Paananen, Ian
 

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## Pastures &amp; Turf

Anderson, Malcolm  
 Avery, Angela  
 Bannan, Nathaniel  
 Cameron, Stephen  
 Cook, Bruce  
 Downes, Ross  
 Fennell, John  
 Harrison, Peter  
 Kadkol, Gururaj  
 Kirby, Greg  
 James, Jennifer  
 Loch, Don  
 McMaugh, Peter  
 Miller, Jeff  
 Mitchell, Leslie  
 Neylan, John  
 Oates, John  
 Paananen, Ian  
 Porter, Richard  
 Rhodes, Phil  
 Roche, Matthew  
 Rogers, Clinton  
 Rose, John  
 Saunders, James  
 Sewell, James  
 Smith, Raymond  
 Smith, Kevin  
 Wilkes, Gregory  
 Wilson, Frances  
 Zorin, Margaret

## Peanut

Cruickshank, Alan  
 George, Doug

## Pear

Cramond, Gregory  
 Darmody, Liz  
 Engel, Richard  
 Fleming, Graham  
 Langford, Garry  
 Mackay, Alastair  
 Malone, Michael  
 Paananen, Ian  
 Portman, Anthony  
 Richards, Susanna  
 Scholefield, Peter  
 Tancred, Stephen  
 Valentine, Bruce

## Pelargonium

Paananen, Ian

## Persimmon

Parr, Wayne  
 Swinburn, Garth

## Petunia

Paananen, Ian

## Philodendron

Paananen, Ian

## Philotheca

Dunstone, Bob



|             |   |
|-------------|---|
| Phormium    | Paananen, Ian   |
| Photinia    | Robb, John  |
| Pistacia    | Cottrell, Matthew<br>Richardson, Clive<br>Sykes, Stephen  |
| Pisum       | Downes, Ross<br>Goulden, David<br>McMichael, Prue<br>Rhodes, Phil<br>Sanders, Milton<br>Saunders, James   |
| Pomegranate | Paananen, Ian   |
| Potatoes    | Delaporte, Kate<br>Fennell, John<br>Friemond, Terry<br>Guertsen, Paul<br>Hill, Jim<br>Johnston, Evan<br>McMichael, Prue<br>O'Connell Peter<br>Pumpa, Lucy<br>Rhodes, Phil<br>Saunders, James<br>Schapel, Amanda<br>Scholefield, Peter<br>Slater, Tony<br>Wilson, Graeme   |
| Proteaceae  | Barth, Gail<br>Kirby, Neil<br>Paananen, Ian<br>Robb, John<br>Scholefield, Peter   |
| Prunus      | Buchanan, Peter<br>Calabria, Patrick<br>Cramond, Gregory<br>Darmody, Liz<br>Engel, Richard<br>Fleming, Graham<br>Granger, Andrew<br>Kennedy, Peter<br>Mackay, Alastair<br>Malone, Michael<br>Portman, Anthony<br>Richards, Graeme<br>Richards, Susanna<br>Topp, Bruce<br>Wilkes, Gregory<br>Witherspoon, Jennifer |

|               |  |
|---------------|--|
| Pulse Crops   | Collins, David<br>Downes, Ross<br>Graetz, Darren<br>Oates, John<br>Porter, Richard<br>Poulsen, David<br>Rhodes, Phil<br>Saunders, James  |
| Raspberry     | Darmody, Liz<br>Fleming, Graham<br>Herrington, Mark<br>Scholefield, Peter<br>Zorin, Margaret   |
| Rhododendron  | Barrett, Mike<br>Paananen, Ian   |
| Rose          | Barrett, Mike<br>Darmody, Liz<br>Delaporte, Kate<br>Fleming, Graham<br>Hanger, Brian<br>Lee, Peter<br>McKirby, Simon<br>Paananen, Ian<br>Prescott, Chris<br>Pumpa, Lucy<br>Schapel, Amanda<br>Scholefield, Peter<br>Swane, Geoff<br>Syrus, A Kim |
| Scaevola      | Paananen, Ian  |
| Sesame        | Bennett, Malcolm<br>Harrison, Peter  |
| Soybean       | Harrison, Peter<br>James, Andrew   |
| Spathiphyllum | Paananen, Ian  |

|                             |   |
|-----------------------------|---|
| Stone Fruit                 | Barrett, Mike<br>Cottrell, Matthew<br>Cramond, Gregory<br>Darmody, Liz<br>Fleming, Graham<br>Granger, Andrew<br>Kennedy, Peter<br>MacGregor, Alison<br>Mackay, Alistair<br>Malone, Michael<br>Scholefield, Peter<br>Swinburn, Garth<br>Valentine, Bruce |
| Strawberry                  | Herrington, Mark<br>Kadkol, Gururaj<br>Mitchell, Leslie<br>Scholefield, Peter<br>Zorin, Margaret  |
| Sugarcane                   | Cox, Mike<br>Piperidis, George  |
| Sunflower                   | George, Doug  |
| Tomato                      | Herrington, Mark<br>Laker, Richard<br>McMichael, Prue<br>O'Connell Peter<br>Rhodes, Phil<br>Scholefield, Peter  |
| Tree Crops                  | Hockings, David<br>McRae, Tony  |
|                             | Downes, Ross<br>Collins, David<br>Cooper, Kath<br>Rhodes, Phil<br>Saunders, James   |
| Tropical/Sub-Tropical Crops | Fittler, Michael<br>Harrison, Peter<br>Hockings, David<br>Kulkarni, Vinod<br>Parr, Wayne<br>Scholefield, Peter<br>Whiley, Tony  |
| Umbrella Tree               | Paananen, Ian   |

|                                 |  |
|---------------------------------|--|
| Vegetables                      | Bannan, Nathaniel<br>Delaporte, Kate<br>Fennell, John<br>Frkovic, Edward<br>Gillespie, David<br>Harrison, Peter<br>Laker, Richard<br>Lenoir, Roland<br>MacGregor, Alison<br>McMichael, Prue<br>Oates, John<br>O'Connor, Lauren<br>Pearson, Craig<br>Pumpa, Lucy<br>Rhodes, Phil<br>Schapel, Amanda<br>Scholefield, Peter<br>Westra Van Holthe, Jan |
| Verbena                         | Paananen, Ian  |
| Walnut                          | Cottrell, Matthew<br>Mitchell, Leslie  |
| Wheat (Aestivum & Durum Groups) | Brennan, Paul<br>Collins, David<br>Downes, Ross<br>Fittler, Michael<br>Kadkol, Gururaj<br>Platz, Greg<br>Rhodes, Phil<br>Rogers, Clinton<br>Saunders, James<br>Sanders, Milton   |
| Zantedeschia                    | Paananen, Ian  |

TABLE 2

| <b>NAME</b>       | <b>TELEPHONE</b>   | <b>AREA OF OPERATION</b>                           |
|-------------------|--|--|
| Abell, Peter      | 0438 392 837 mobile  | Australia  |
| Aberdeen, Ian     | 03 5782 1029<br>03 5782 2073 fax   | SE Australia                                       |
| Allen, Paul       | 07 3824 0263 ph/fax  | SE QLD, Northern NSW                               |
| Anderson, Malcolm | 03 5573 0900<br>03 5571 1523 fax<br>017 870 252 mobile                         | Victoria   |
| Angus, Tim        | (64 4) 568 3878 ph/fax<br>001164211871076 mobile<br>plantatim@zip.co.nz        | Australia and New Zealand                          |
| Armitage, Paul    | 03 9756 7233<br>03 9756 6948 fax   | Victoria   |
| Avery, Angela     | 02 6030 4500<br>02 6030 4600 fax   | South Eastern Australia                            |
| Bannan, Nathaniel | 03 8318 9019<br>03 8318 9002 fax   | Australia  |
| Barrett, Mike     | 0429 720 013 mobile<br>02 9875 3087<br>02 9980 1662 fax<br>0407 062 494 mobile | NSW/ACT  |
| Barth, Gail       | 08 8389 7479   | SA and Victoria                                    |
| Bazzani, Luigi    | 08 9772 1207<br>08 9772 1333 fax   | Western Australia                                  |
| Bennett, Malcolm  | 08 8973 9733<br>08 8973 9777 fax   | NT, QLD, NSW, WA                                   |
| Brennan, Paul     | 02 6688 0245<br>0407 662 242 mobile  | Australia  |
| Brown, Gordon     | 03 6239 6411<br>03 6239 6711 fax   | Tasmania   |
| Buchanan, Peter   | 07 4615 2182<br>07 4615 2183 fax   | Eastern Australia                                  |
| Burne, Peter      | 08 8582 0338 ph<br>08 8583 2104 fax<br>0418 834 102 mobile                     | South Australia                                    |
| Calabria, Patrick | 02 6963 6360<br>0438 636 219 mobile  | Riverina area of NSW                               |
| Chequer, Robert   | 03 5382 1269<br>0419 145 262 mobile  | Victoria   |
| Collins, David    | 08 9623 2343 ph/fax<br>0154 42694 mobile                                       | Central Western Wheat belt of<br>Western Australia |
| Cooper, Kath      | 08 8339 3049<br>0429 191 848 mobile  | South Australia                                    |
| Cottrell, Matthew | 03 5024 8603<br>0438 594010 mobile   | Australia  |
| Cox, Mike         | 07 4132 5200<br>07 4132 5253 fax   | Queensland and NSW                                 |
| Cramond, Gregory  | 08 8390 0299<br>08 8390 0033 fax<br>0417 842 558 mobile                        | Australia  |
| Cruickshank, Alan | 07 4160 0722<br>07 4162 3238 fax   | QLD  |
| Cunneen, Thomas   | 02 4889 8647<br>02 4889 8657 fax   | Sydney Region                                      |
| Darmody, Liz      | 03 9756 6105<br>03 9752 0005 fax   | Australia  |

|                                 |  |  |
|---------------------------------|--|--|
| Delaporte, Kate                 | 08 8373 2488<br>08 8373 2442 fax<br>0427 394 240 mobile    | South Australia  |
| Downes, Ross                    | 02 4474 0456 ph<br>02 4474 0476 fax<br>0402472601 mobile   | ACT, South East Australia  |
| Dunstone, Bob<br>Easton, Andrew | 02 6281 1754 ph/fax<br>07 4690 2666<br>07 4630 1063 fax    | South East NSW<br>QLD and NSW  |
| Edwards, Arthur                 | 08 8586 1232<br>08 8595 1394 fax<br>0409 609 300 mobile    | SE Australia   |
| Eggleton, Steve                 | 03 9876 1097<br>03 9876 1696 fax                           | Melbourne Region   |
| Engel, Richard                  | 08 9397 5941<br>08 9397 5941 fax                           | WA   |
| Fennell, John                   | 08 8369 8840<br>08 8389 8899 fax<br>0401 121 891 mobile    | Australia  |
| Farquhar, Wayne                 | 08 85657000<br>08 85657011 fax                             | South Australia  |
| Fittler, Michael                | 02 6773 2522<br>02 6773 3238                               | NSW  |
| Fleming, Graham                 | 03 9756 6105<br>03 9752 0005 fax                           | Australia  |
| Friemond, Terry                 | 08 9203 6720<br>08 9203 6720 fax<br>0438 915 811 mobile    | Western Australia  |
| Foster, Kevin                   | 08 9368 3804<br>08 9474 2840 fax                           | Mediterranean areas of Australia   |
| Frkovic, Edward                 | 02 6962 7333<br>02 6964 1311 fax                           | Australia  |
| George, Doug                    | 07 5460 1308<br>07 5460 1112 fax                           | Australia  |
| Gillespie, David                | 07 4155 6344<br>07 4155 6656 fax                           | Wide Bay Burnett District, QLD   |
| Gororo, Nelson                  | 03 5382 5911<br>03 5382 5755 fax<br>0428 534 770 mobile    | Mediterranean areas of Australia   |
| Goulden, David                  | 64 3 325 6400<br>64 3 325 2074 fax                         | New Zealand  |
| Graetz, Darren                  | 08 8303 9362<br>08 8303 9424 fax                           | South Australia  |
| Granger, Andrew                 | 08 8389 8809<br>08 8389 8899 fax                           | South Australia  |
| Guertsen, Paul                  | 02 6845 3789<br>02 6845 3382 fax<br>0407 658 105 mobile    | NSW, VIC, SE QLD   |
| Hanger, Brian                   | 03 9837 5547 ph/fax<br>0418 598106 mobile                  | Victoria   |
| Hare, Ray                       | 02 6763 1232<br>02 6763 1222 fax                           | QLD, NSW VIC & SA  |
| Harrison, Dion                  | 07 5460 1313<br>07 5460 1283 fax                           | south east QLD and northern<br>NSW   |
| Harrison, Peter                 | 08 8948 1894 ph<br>08 8948 3894 fax<br>0407 034 083 mobile | Tropical/Sub-tropical Australia,<br>including NT and NW of WA<br>and tropical arid areas |
| Hempel, Maciej                  | 02 4628 0376<br>02 4625 2293 fax                           | NSW, QLD, VIC, SA  |

|                      |  |  |
|----------------------|--|--|
| Henry, Robert J      | 02 6620 3010<br>02 6622 2080 fax                         | Australia                              |
| Herrington, Mark     | 07 5441 2211<br>07 5441 2235 fax                         | Southern Queensland                    |
| Hill, Jeff           | 08 8303 9487<br>08 8303 9607 fax                         | South Australia                        |
| Hill, Jim            | 03 6428 2519<br>03 6428 2049 fax<br>0428 262 765 mobile  | Australia                              |
| Hockings, David      | 07 5494 3385 ph/fax                                      | Southern Queensland                    |
| Iredell, Janet Willa | 07 3202 6351 ph/fax                                      | SE Queensland                          |
| Jack, Brian          | 08 9952 5040<br>08 9952 5053 fax                         | South West WA                          |
| James, Andrew        | 07 3214 2278<br>07 3214 2272 fax                         | Australia                              |
| James, Jennifer      | +64 6 3518214  | Manawatu Region, New Zealand           |
| Johnston, Evan       | 64 3358 1745<br>0214 417 13 mobile                       | Canterbury, New Zealand                |
| Johnston, Margaret   | 07 5460 1240<br>07 5460 1455 fax                         | SE Queensland                          |
| Kadkol, Gururaj      | 03 5381 1396<br>0459 122 542 mobile                      | North Western Victoria                 |
| Kennedy, Peter       | 02 6382 7600<br>02 6382 2228 fax                         | New South Wales                        |
| Kirby, Greg          | 08 8201 2176<br>08 8201 3015 fax                         | South Australia                        |
| Kirby, Neil          | 02 4754 2637<br>02 4754 2640 fax                         | New South Wales                        |
| Kulkarni, Vinod      | 08 8945 2942<br>0412 681 800 mobile                      | Australia                              |
| Lake, Andrew         | 08 8177 0558<br>0418 818 798 mobile<br>lake@arcom.com.au | SE Australia                           |
| Laker, Richard       | 08 87258987<br>08 8723 0142 fax<br>0417 855 592 mobile   | Australia                              |
| Lamont, Greg         | 02 8778 5388<br>02 9734 9866 fax                         | Sydney region                          |
| Langford, Garry      | 03 6266 4344<br>03 6266 4023 fax<br>0418 312 910 mobile  | Australia                              |
| Larkman, Clive       | 03 9735 3831<br>03 9739 6370<br>larkman@tpgi.com.au      | Victoria                               |
| Lee, Peter           | 03 6330 1147<br>03 6330 1927 fax                         | SE Australia                           |
| Lee, Slade           | 0419 474 251 mobile                                      | Queensland/Northern New South<br>Wales |
| Lenoir, Roland       | 02 6231 9063 ph/fax                                      | Australia                              |
| Light, Kate          | 03 5362 2175<br>0419 145 768 mobile                      | Victoria                               |
| Loch, Don            | 07 3286 1488<br>07 3286 3094 fax                         | Queensland                             |
| Lowe, Greg           | 02 4389 8750<br>02 4389 4958 fax<br>0411 327390 mobile   | Sydney, Central Coast NSW              |
| Lunghusen, Mark      | 03 5998 2083<br>03 5998 2089fax<br>0407 050 133 mobile   | Melbourne & environs                   |

|                   |   |  |
|-------------------|---|--|
| Lye, Colin        | 07 4671 0044<br>07 4671 0066 fax<br>0427 786 668 mobile | NT, QLD and NSW                                |
| MacGregor, Alison | 03 5023 4644<br>0419 229 713 mobile                     | Southern Australia – Murray<br>Valley Region   |
| Mackay, Alastair  | 08 9310 5342 ph/fax<br>0159 87221 mobile                | Western Australia                              |
| Mackinnon, Amanda | 03 6265 9050<br>03 6265 9919 fax                        | Australia                                      |
| McMaugh, Peter    | 02 9872 7833<br>02 9872 7855 fax                        | Australia                                      |
| Malone, Michael   | +64 6 877 8196<br>+64 6 877 4761 fax                    | New Zealand                                    |
| Marcsik, Doris    | 08 8999 2017<br>08 8999 2049                            | Northern Territory and<br>Queensland           |
| McCarthy, Alec    | 08 9780 6273<br>08 9780 6136 fax                        | South West WA                                  |
| McKirdy, Simon    | 042 163 8229 mobile                                     | Australia                                      |
| McMichael, Prue   | 08 8373 2488<br>08 8373 2442 fax                        | SE Australia                                   |
| McRae, Tony       | 08 8723 0688<br>08 8723 0660 fax                        | Australia                                      |
| Miller, Jeff      | 64 6 356 8019 extn 8027<br>64 3 351 8142 fax            | Manawatu region, New Zealand                   |
| Milne,Carolynn    | 07 3206 3509  | QLD  |
| Mitchell, Hamish  | 03 9737 9568<br>03 9737 9899 fax                        | Victoria                                       |
| Mitchell, Leslie  | 03 5821 2021<br>03 5831 1592 fax                        | VIC, Southern NSW                              |
| Molyneux, William | 03 5965 2011<br>03 5965 2033 fax                        | Victoria                                       |
| Moore, Stephen    | 02 6799 2230<br>02 6799 2239 fax                        | NSW  |
| Mouwen, Heidi     | 07 4690 2666<br>07 4630 1063                            | QLD, NSW                                       |
| Neylan, John      | 03 9886 6200<br>0413 620 256 mobile                     | VIC, NSW, SA                                   |
| Nichols, Phillip  | 08 9387 7442<br>08 9383 9907 fax                        | Western Australia                              |
| Oates, John       | 02 6495 0712<br>0427 277 951 mobile                     | Eastern Australia                              |
| O'Brien, Shaun    | 07 5442 3055<br>07 5442 3044 fax<br>0407 584 417 mobile | SE Queensland                                  |
| O'Connell, Peter  | 02 9403 0787<br>02 9402 6664 fax<br>0488 233 704 mobile | VIC, NSW, QLD                                  |
| O'Connor, Lauren  | 07 3359 3113<br>0418 510 480 mobile                     | Australia                                      |
| Owen-Turner, John | 07 4129 5217<br>07 4129 5511 fax                        | Burnett region, Central<br>Queensland region   |
| Paananen, Ian     | 02 4381 0051<br>02 8569 1896 fax<br>0412 826 589 mobile | Australia (based in Sydney) and<br>New Zealand |
| Parr, Wayne       | 07 4129 4147<br>07 4129 4463 fax                        | QLD, Northern NSW                              |
| Piperidis, George | 07 3331 3373<br>07 3871 0383 fax                        | QLD, Northern NSW                              |



|                                    |  |   |
|------------------------------------|--|---|
| Platz, Greg                        | 07 4639 8817<br>07 4639 8800 fax   | QLD, Northern NSW                       |
| Porter, Richard                    | 08 8431 5396<br>08 8431 5396 fax<br>0413 270 670 mobile                      | Adelaide region, South Australia        |
| Portman, Anthony                   | 08 9274 5355<br>08 9250 1859 fax   | South-west Western Australia            |
| Poulsen, David                     | 07 4661 2944<br>07 4661 5257 fax   | SE QLD, Northern NSW                    |
| Prescott, Chris                    | 03 5998 5100<br>03 5998 5333<br>0417 340 558 mobile                          | Victoria                                |
| Prince, John                       | 07 5533 0211<br>07 5533 0488 fax   | SE QLD                                  |
| Pumpa, Lucy                        | 08 8373 2488<br>08 8373 2422 fax<br>0400 041 881 mobile                      | South Australia                         |
| Quinn, Patrick<br>Richards, Graeme | 03 5427 0485<br>02 4570 1358<br>02 4570 1314 fax<br>0405 178 211 mobile      | SE Australia<br>Australia               |
| Richards, Susanna                  | 03 5833 5235<br>03 5833 5299 fax<br>0429 674 606 mobile                      | SE Australia                            |
| Richardson, Clive<br>Rhodes, Phil  | 03 51550255<br>64 3322 5405<br>0211 862 422 mobile<br>phil@epr.co.nz         | Victoria<br>New Zealand                 |
| Roake, Jeremy                      | 02 9351 8830<br>02 9351 8875 fax   | Sydney Region                           |
| Roche, Matthew<br>Robb, John       | 0412 197 218 mobile<br>02 4376 1330<br>02 4376 1271 fax<br>0199 19252 mobile | Queensland<br>Sydney, Central Coast NSW |
| Rogers, Clinton                    | 03 8318 9016<br>03 8318 9001 fax<br>0448 160 660 mobile                      | Australia                               |
| Rose, John                         | 07 4661 2944<br>07 4661 5257 fax   | SE Queensland                           |
| Rudolph, Paul                      | 03 5381 2168<br>03 5381 1210 fax<br>0438 083 840 mobile                      | Victoria                                |
| Saunders, James                    | 03 8318 9016<br>03 8318 9002 fax<br>0408 037 801 mobile                      | Australia                               |
| Sanders, Milton                    | 08 9825 8087<br>08 9387 4388 fax<br>0427 031 951 mobile                      | Southern Australia: WA, Vic,<br>NSW, SA |
| Sewell, James                      | 03 5334 7871<br>0403 546 811 mobile  | Southern Australia                      |
| Scalzo, Jessica                    | +64 6975 8908<br>2122 689 08 mobile  | New Zealand and Australia               |
| Schapel, Amanda                    | 08 8373 2488<br>0408 344 843 mobile  | South Australia                         |
| Scholefield, Peter                 | 08 8373 2488<br>08 8373 2442 fax<br>018 082022 mobile                        | SE Australia                            |
| Singh, Deo                         | 0418 880787 mobile<br>07 3207 5998 fax                                       | Brisbane                                |

|                               |   |  |
|-------------------------------|---|--|
| Slater, Tony                  | 03 9210 9222<br>03 9800 3521 fax<br>0408 656 021 mobile | SE Australia   |
| Smith, Kenneth                | 02 4570 9069  | Australia  |
| Smith, Kevin                  | 03 5573 0900<br>03 5571 1523 fax                        | SE Australia   |
| Smith, Mike                   | 07 5444 9630  | SE Queensland  |
| Smith, Stuart                 | 03 6336 5234<br>03 6334 4961 fax                        | SE Australia   |
| Stewart, Angus                | 02 4385 9788ph/fax<br>0419 632 123 mobile               | Sydney, Gosford  |
| Swane, Geoff                  | 02 6889 1545<br>02 6889 2533 fax<br>0419 841580 mobile  | Central western NSW  |
| Swinburn, Garth               | 03 5023 4644<br>03 5023 5814 fax                        | Murray Valley Region - from<br>Swan Hill (Vic) to Waikere (SA) |
| Sykes, Stephen                | 03 5051 3100<br>03 5051 3111 fax                        | Victoria   |
| Syrus, A Kim                  | 03 8556 2555<br>03 8556 2955 fax                        | Adelaide   |
| Tan, Beng                     | 08 9266 7168<br>08 9266 2495                            | Perth & environs   |
| Tancred, Stephen              | 07 4681 2931<br>07 4681 4274 fax<br>0157 62888 mobile   | QLD, NSW   |
| Treverrow, Florence           | 02 6629 3359  | Australia  |
| Topp, Bruce                   | 07 4681 1255<br>07 4681 1769 fax                        | SE QLD, Northern NSW   |
| Umaretiya, Praful             | 08 6201 7645<br>0432 190 099 mobile                     | Western Australia  |
| Valentine, Bruce              | 02 6361 3919<br>02 6361 3573 fax                        | New South Wales  |
| Van der Staay, Rosemaree Anne | 03 6248 6863<br>03 6248 7402 fax                        | Tasmania   |
| Verdegaal, John               | 03 6458 3581<br>03 6458 3581 fax                        | Australia and New Zealand                                      |
| Warner, Philip                | 07 5499 9249 ph/fax<br>0412 162 003 mobile              | Australia  |
| Watkins, Phillip              | 08 9537 1811<br>08 9537 3589 fax<br>0416 191 472 mobile | Perth Region   |
| Watkinson, Andrew             | 07 5445 6654<br>0409 065 266 mobile                     | Northern NSW and Southern<br>QLD                               |
| Watson, Brigid                | 03 5688 1058<br>0429 702 277 mobile                     | Victoria   |
| Westra Van Holthe, Jan        | 03 9706 3033<br>03 9706 3182 fax                        | Australia  |
| Whiley, Tony                  | 07 5441 5441  | QLD  |
| Wilkes, Gregory               | 02 4570 1358<br>02 4570 1314 fax<br>0418 642 359 mobile | Sydney region  |
| Wilson, Frances               | 64 3 318 8514<br>64 3 318 8549 fax                      | Canterbury, New Zealand  |
| Wilson, Graeme                | 03 5957 1200<br>03 5957 1210 fax                        | SE Australia   |
| Wong, Percy                   | 02 9036 7767  | Australia  |
| Zadow, Diane                  | 03 5382 1269<br>03 5381 1210 fax<br>0419 145 763 mobile | Victoria   |

Zorin, Margaret

07 3207 4306  
0418 984 555

Eastern Australia

#### Appendix 4 Index of Accredited Non-Consultant Qualified Persons

| Name                  |
|-----------------------|
| Aquilizan, Flaviano   |
| Baelde, Arie          |
| Baker, Grant          |
| Bally, Ian            |
| Bartley, Megan        |
| Bennett, Nicholas     |
| Bernuetz, Andrew      |
| Berryman, Pamela      |
| Birchall, Craig       |
| Boorman, Des          |
| Box, Amanda           |
| Brewer, Lester        |
| Brindley, Tony        |
| Brown, Emma           |
| Bunker, Kerry         |
| Bunker, John          |
| Burton, Wayne         |
| Cameron, Nick         |
| Cecil, Andrew         |
| Chesher, Wayne        |
| Chaudhury, Abdul      |
| Clayton-Greene, Kevin |
| Constable, Greg       |
| Cook, Esther          |
| Corcoran, Lisa        |
| Coventry, Stewart     |
| Craig, Andrew         |
| Culvenor, Richard     |
| De Betue, Remco       |
| de Koning, Carolyn    |
| Downe, Graeme         |
| Dutschke, Nathan      |
| Eastwood, Russell     |
| Eglinton, Jason       |
| Elliott, Philip       |
| Evans, Pedro          |
| Eykamp, Donald        |
| Eyles, Gary           |
| Fitzgibbon, John      |
| Flett, Peter          |
| Geary, Judith         |
| Gibbons, Philip       |
| Glover, Russell       |
| Graetz, Darren        |
| Gurciullo, Gaetano    |
| Haire, Chris          |

|                     |
|---------------------|
| Hassani, Mohammad   |
| Hawkey, David       |
| Herring, Meredith   |
| Hollamby, Gil       |
| Hoppo, Suzanne      |
| Howie, Jake         |
| Humphries, Alan     |
| Hurst, Andrea       |
| Irwin, John         |
| Jiranek, Vladimir   |
| Jupp, Noel          |
| Kaehne, Ian         |
| Kaiser, Stefan      |
| Kapitany, Attila    |
| Katz, Mark          |
| Kebblewhite, Tony   |
| Kempff, Stefan      |
| Kennedy, Chris      |
| Kobelt, Eric        |
| Lacey, Kevin        |
| Larkman, Clive      |
| Leddin, Anthony     |
| Lee, Kathryn        |
| Lee, Jodie          |
| Lee, Slade          |
| Leeks, Conrad       |
| Leonforte, Antonio  |
| Lewis, Hartley      |
| Lewthwaite, Stephen |
| Loi, Angelo         |
| Lonergan, Paul      |
| Lowe, Russell       |
| Luckett, David      |
| Matic, Rade         |
| Materne, Michael    |
| Matthews, Michael   |
| May, Peter          |
| McCabe, Dominic     |
| McCredden, John     |
| McDonald, David     |
| Miller, Kylie       |
| Mitchell, Steven    |
| Moss, Ian           |
| Mullins, Kathleen   |
| Myors, Philip       |
| Neilson, Peter      |
| Newman, Allen       |
| Noone, Brian        |
| Norriss, Michael    |
| O'Brien, Tim        |
| O'Leary, Finbarr    |
| O'Sullivan, Robert  |
| Palmer, Ross        |

|                       |
|-----------------------|
| Paull, Jeff           |
| Pearce, Bob           |
| Peoples, Alan         |
| Pike, David           |
| Pike, Elise           |
| Porter, Gavin         |
| Potter, Trent         |
| Pressler, Craig       |
| Rayner, Kenneth       |
| Reid, Peter           |
| Reinke, Russell       |
| Russell, Dougal       |
| Sadeque, Abdus        |
| Sanders, Milton       |
| Sanewski, Garth       |
| Sarkhosh, Ali         |
| Schreuders, Harry     |
| Scott, Ralph          |
| Senior, Michael       |
| Smith, Leigh          |
| Smith, Malcolm        |
| Smith, Chris          |
| Snelling, Cath        |
| Song, Leonard         |
| Sounness, Janine      |
| Stephens, Joseph      |
| Stiller, Warwick      |
| Sutton, John          |
| Taylor, Kerry         |
| Todd, Peter           |
| Trigg, Pamela         |
| Urwin, Nigel          |
| Vaughan, Peter        |
| Venkatanagappa, Shoba |
| Venn, Neil            |
| Verdegaal, John       |
| Walton, Mark          |
| Warner, Bradley       |
| Warren, Andrew        |
| Weatherly, Lilia      |
| Weber, Ryan           |
| Wei, Xianming         |
| Wilkie, John          |
| Williams, Joanne      |
| Wilson, Rob           |
| Wilson, Stephen       |
| Winter, Bruce         |
| Wirthensohn, Michelle |
| Yan, Guijun           |

## **APPENDIX 5**

### **ADDRESSES OF UPOV AND MEMBER STATES**

#### **International Union for the Protection of New Varieties of Plants (UPOV):**

International Union for the Protection of New Varieties of Plants (UPOV)  
34, Chemin des Colombettes  
CH-1211  
Geneva 20  
SWITZERLAND

Phone: (41-22) 338 9111

Fax: (41-22) 733 0336

Web site: <http://www.upov.int>

**List of Addresses of Plant Variety Protection Offices in UPOV Member States**

**Status of Ratification in UPOV member States is available from UPOV website.**

## APPENDIX 6

### CENTRALISED TESTING CENTRES

Under Plant Breeder's Rights Regulations introduced in 1996, establishments may be officially authorised by the PBR office to conduct test growings. An authorised establishment will be known as Centralised Test Centre (CTC).

Usually, the implementation of PBR in Australia relies on a 'breeder testing' system in which the applicant, in conjunction with a nominated Qualified Person (QP), establishes, conducts and reports a comparative trial. More often than not, trials by several breeders are being conducted concurrently at different sites. This makes valid comparisons difficult and often results in costly duplication.

While the current system is and will remain satisfactory, other optional testing methods are now available which will add flexibility to the PBR process.

Centralised Testing is one such optional system. It is based upon the authorisation of private or public establishments to test one or more genera of plants. Applicants can choose to submit their varieties for testing by a CTC or continue to do the test themselves. Remember, using a CTC to test your variety is voluntary.

The use of CTCs recognises the advantages of testing a larger number of candidate varieties (with a larger number of comparators) in a single comprehensive trial. Not only is there an increase in scientific rigour but also there are substantial economies of scale and commensurate cost savings. A CTC will establish, conduct and report each trial on behalf of the applicant.

The PBR office has amended its fees so that cost savings can be passed to applicants who choose to test their varieties in a CTC. Accordingly, when 5 or more candidate varieties of the same genus are tested simultaneously, each will qualify for the CTC examination fee of \$800. This is a saving of nearly 40% over the normal fee of \$1400.

Trials containing less than 5 candidate varieties capable of being examined simultaneously will not be considered as Centralised test trials regardless of the authorisation of the facility. Candidate varieties in non-qualifying small trials will not qualify for CTC reduction of examination fees.

Establishments wishing to be authorised as a CTC may apply in writing to the PBR office outlining their claims against the selection criteria. Initially, only one CTC will be authorised for each genus. Exemptions to this rule can be claimed due to special circumstances, industry needs and quarantine regulations. Authorisations will be reviewed periodically.

Authorisation of CTCs is not aimed solely at large research institutions. Smaller establishments with appropriate facilities and experience can also apply for CTC status. There is no cost for authorisation as a CTC.

### APPLICATIONS FOR AUTHORISATION AS A 'CENTRALISED TESTING CENTRE'

Establishments interested in gaining authorisation as a Centralised Testing Centre should apply in writing addressing each of the Conditions and Selection Criteria outlined below.

#### Conditions and Selection Criteria

To be authorised as a CTC, the following conditions and criteria will need to be met:

##### Appropriate facilities

While in part determined by the genera being tested, all establishments must have facilities that allow the conduct and completion of moderate to large-scale scientific experiments without undue environmental influences. Again dependent on genera, a range of complementary testing and propagation facilities (e.g. outdoor, glasshouse, shadehouse, tissue culture stations) is desirable.

##### Experienced staff

Adequately trained staff, and access to appropriately accredited Qualified Persons, with a history of successful PVR/PBR applications will need to be available for all stages of the trial from planting to the presentation of the

analysed data. These staff will require the authority to ensure timely maintenance of the trial. Where provided by the PBR office, the protocol and technical guidelines for the conduct of the trial must be followed.

### Substantial industry support

Normally the establishment will be recognised by a state or national industry society or association. This may include/be replaced by a written commitment from major nurseries or other applicants, who have a history of regularly making applications for PBR in Australia, to use the facility.

### Capability for long-term storage of genetic material

Depending upon the genus, a CTC must be in a position to make a long-term commitment to collect and maintain, at minimal cost, genetic resources of vegetatively propagated species as a source of comparative varieties. Applicants indicating a willingness to act as a national genetic resource centre in perpetuity will be favoured.

### Contract testing for 3rd Parties

Unless exempted in writing by the PBR office operators of a CTC must be prepared to test varieties submitted by a third party.

### Relationship between CTC and 3rd Parties

A formal arrangement between the CTC and any third party including fees for service will need to be prepared and signed before the commencement of the trial. It will include among other things: how the plant material will be delivered (e.g. date, stage of development plant, condition etc); allow the applicant and/or their agent and QP access to the site during normal working hours; and release the use of all trial data to the owners of the varieties included in the trial.

### One trial at a time

Unless exempted in writing by the PBR office, all candidates and comparators should be tested in a single trial.

### One CTC per genus

Normally only one CTC will be authorised to test a genus. Special circumstances may exist (environmental factors, quarantine etc) to allow more than one CTC per genus, though a special case will need to be made to the PBR office. More than one CTC maybe allowed for roses.

One CTC may be authorised to test more than one genus.  
Authorisations for each genus will be reviewed periodically.

### Authorised Centralised Test Centres (CTCs)

Following publication of applications for accreditation and ensuing public comment, the following organisations/individuals are authorised to act as CTCs. Any special conditions are also listed.

| Name   | Location  | Approved Genera   | Facilities  | Name of QP  | Date of accreditation |
|--|---|---|---|-------------|-----------------------|
| Agriculture Victoria, National Potato Improvement Centre | Toolangi, VIC   | Potato  | Outdoor, field, greenhouse, tissue culture laboratory   | R Kirkham   | 31/3/97               |
| Bureau of Sugar Experiment Stations                      | Cairns, Tully, Ingham, Ayr, Mackay, Bundaberg, Brisbane QLD | <i>Saccharum</i>  | Field, glasshouse, tissue culture, pathology  | G Piperidis | 30/6/97               |
| Ag-Seed Research   | Horsham and other sites                                     | Canola  | Field, glasshouse, shadehouse, laboratory and biochemical analyses                                    | P Rudolph   | 30/6/97               |
| Agriculture Western Australia                            | Northam WA  | Wheat   | Field, laboratory   | D Collins   | 30/6/97               |
| University of Sydney, Plant Breeding Institute           | Camden, NSW   | <i>Argyranthemum</i> ,<br><i>Diascia</i> ,<br><i>Mandevilla</i> | Outdoor, field, irrigation, greenhouses with controlled micro-climates, controlled environment rooms, | J Oates     | 30/6/97               |



|  |                       |  |  |                    |          |
|--|-----------------------|--|--|--------------------|----------|
|  |                       |  | tissue culture, molecular genetics and cytology lab.   |                    |          |
| Boulters Nurseries Monbulk Pty Ltd                                     | Monbulk, VIC          | Clematis   | Outdoor, shadehouse, greenhouse  | M Lunghusen        | 30/9/97  |
| Geranium Cottage Nursery   | Galston, NSW          | Pelargonium  | Field, controlled environment house  | I Paananen         | 30/11/97 |
| Agriculture Victoria   | Hamilton, VIC         | Perennial ryegrass, tall fescue, tall wheat grass, white clover, Persian clover                        | Field, shadehouse, glasshouse, growth chambers. Irrigation. Pathology and tissue culture. Access to DNA and molecular marker technology. Cold storage. | M Anderson         | 30/6/98  |
| Koala Blooms   | Monbulk, VIC          | <i>Bracteantha</i>   | Outdoor, irrigation  | M Lunghusen        | 30/6/98  |
| Redlands Nursery   | Redland Bay, QLD      | <i>Aglaonema</i>   | Outdoor, shadehouse, glasshouse and indoor facilities  | K Bunker           | 30/6/98  |
| Protected Plant Promotions   | Macquarie Fields, NSW | New Guinea Impatiens including <i>Impatiens hawkeri</i> and its hybrids                                | Glasshouse   | I Paananen         | 30/9/98  |
| University of Queensland, Gatton College                               | Lawes, QLD            | Some tropical pastures   | Field, irrigation, glasshouse, small phytotron, plant nursery & propagation, tissue culture, seed and chemical lab, cool storage                       | To be advised      | 30/9/98  |
| Jan and Peter Iredell  | Moggill, QLD          | Bougainvillea  | Outdoor, shadehouse  | J Iredell          | 30/9/98  |
| Protected Plant Promotions   | Macquarie Fields, NSW | <i>Verbena</i>   | Glasshouse   | I Paananen         | 31/12/98 |
| Avondale Nurseries Ltd   | Glenorie, NSW         | <i>Agapanthus</i>  | Greenhouse, tissue culture with commercial partnership   | I Paananen         | 31/12/98 |
| Paradise Plants  | Kulnura, NSW          | <i>Camellia</i> ,<br><i>Lavandula</i> ,<br><i>Osmanthus</i> ,<br><i>Ceratopetalum</i>                  | Field, glasshouse, shadehouse, irrigation, tissue culture lab  | J Robb             | 31/12/98 |
| Prescott Roses   | Berwick, VIC          | <i>Rosa</i>  | Field, controlled environment greenhouses  | C Prescott         | 31/12/98 |
| F & I Baguley Flower and Plant Growers                                 | Clayton South, VIC    | <i>Euphorbia</i>   | Controlled glasshouses, quarantine facilities, tissue culture  | G Guy              | 31/3/99  |
| Paradise Plants  | Kulnura, NSW          | <i>Limonium</i> ,<br><i>Raphiolepis</i> ,<br><i>Eriostemon</i> ,<br><i>Lonicera</i><br><i>Jasminum</i> | Field, glasshouse, shadehouse, irrigation, tissue culture lab  | J Robb             | 30/6/00  |
| Ramm Pty Ltd   | Macquarie Fields, NSW | <i>Angelonia</i>   | Glasshouse   | I Paananen         | 30/6/00  |
| Carol's Propagation  | Alexandra Hills, QLD  | <i>Cuphea</i> ,<br><i>Anthurium</i>  | Field beds, wide range of comparative varieties  | C Milne<br>D Singh | 30/6/00  |
| Queensland Department of Primary Industries, Redlands Research Station | Cleveland, QLD        | <i>Cynodon</i> , <i>Zoysia</i> and other selected warm season-season turf and amenity species          | Field, glasshouse, irrigation, tissue culture lab  | M Roche            | 30/9/00  |

|  |                       |                                    |   |   |          |
|--|-----------------------|------------------------------------|---|---|----------|
| Luff Partnership   | Kulnura, NSW          | <i>Bracteantha</i>                 | Field beds, irrigation, shade house, propagation house, cool rooms,   | I Dawson  | 31/12/00 |
| Ramm Pty Ltd   | Macquarie Fields, NSW | <i>Petunia, Calibrachoa</i>        | Glasshouse  | I Paananen<br>J Oates                                       | 31/12/00 |
| NSW Agriculture  | Temora                | <i>Triticum, Hordeum, Avena</i>    | Field, irrigation, glasshouse, climate controlled areas   | P Breust  | 31/3/01  |
| Bywong Nursery   | Bungendore NSW        | <i>Leptospermum</i>                | Field, shadehouse, greenhouse   | P Ollerenshaw   | 31/3/01  |
| S J Saperstein   | Mullumbimby NSW       | <i>Rhododendron</i> (vireya types) | Field and propagation facilities  | S Saperstein  | 31/12/01 |
| Redlands Nursery   | Redland Bay, QLD      | <i>Osteospermum, Rhododendron</i>  | Outdoor, shadehouse, glasshouse and indoor facilities   | K Bunker  | 31/3/02  |
| Ramm Pty Ltd   | Macquarie Fields, NSW | <i>Euphorbia</i>                   | Glasshouse  | I Paananen  | 31/3/02  |
| Oasis Horticulture Pty Ltd   | Springwood,           | <i>Impatiens, Euphorbia</i>        | AQIS accredited quarantine facilities; glasshouse, shadehouse, field, tissue culture  | B Sidebottom<br>A Bernuetz<br>M Hunt<br>N Derera<br>T Angus | 30/9/02  |
| Carol's Propagation  | Alexandra Hills, QLD  | <i>Dahlia</i>                      | Field beds, wide range of comparative varieties   | C Milne<br>D Singh  | 31/12/03 |
| Carol's Propagation  | Brookfield, QLD       | <i>Anubias</i>                     | Glasshouse specifically designed for aquatic plants   | C Milne<br>D Singh  | 31/3/04  |
| Queensland Department of Primary Industries, Maroochy Research Station | Nambour, QLD          | <i>Ananas</i>                      | Field, plots, pots, shadehouse, temperature controlled glasshouse and tissue culture lab  | G. Sanewski   | 31/3/04  |
| Abulk Pty Ltd  | Clarendon, NSW        | <i>Dianella</i>                    | Normal nursery facilities with access to micro propagation.   | I Paananen  | 31/3/04  |
| Proteaflorea Nursery Pty Ltd   | Monbulk, VIC          | <i>Plectranthus</i>                | Fogged propagation house, greenhouses and irrigated outdoor facilities  | Paul Armitage   | 30/6/04  |
| Berrimah Agricultural Research Centre                                  | Darwin                | <i>Zingiber</i>                    | Irrigated shadehouse, outdoor facilities, cool storage, high level post entry quarantine facility, tissue culture lab, pathology and entomology diagnostic services | D Marcsik   | 30/9/04  |
| Ball Australia   | Keysborough, VIC      | <i>Impatiens, Verbena</i>          | Controlled climate glasshouse and environment rooms, germination chamber, quarantine house, cool storage, irrigation and outdoor facilities.                        | M Lunghusen   | 30/9/04  |
| Floreta Pty Ltd  | Redland Bay QLD       | <i>Bracteantha</i>                 | Purpose built, secure greenhouse, access to fog house, registered quarantine facility on site.  | K Bunker  | 31/12/04 |
| Boulevard Nurseries Mildura Pty Ltd                                    | Irymple VIC           | <i>Zantedeschia</i>                | Glasshouse, shade house, propagation facilities, field areas, irrigation, cool rooms, tissue culture lab, hydroponics,  | K Mullins   | 31/12/04 |

|  |   |                                  |  |                             |            |
|--|---|----------------------------------|--|-----------------------------|------------|
|  |   |                                  | quarantine facilities  |                             |            |
| Buchanan's Nursery   | Hodgsonvale, QLD  | <i>Prunus</i>                    | Outdoor facilities including a collection of 90 varieties of common knowledge.   | P Buchanan                  | 31/12/04   |
| Ball Australia   | Keysborough, VIC  | <i>Calibrachoa, Osteospermum</i> | Controlled climate glasshouse and environment rooms, germination chamber, quarantine house, cool storage, irrigation and outdoor facilities.             | M Lunghusen                 | 30/9/05    |
| Queensland Department of Primary Industries, Southedge Research Centre | Mareeba, QLD  | <i>Mangifera</i>                 | Glasshouse, shadehouse, laboratory complex including biotech, propagation, outdoor facilities  | I Bally                     | 30/09/05   |
| Blueberry Farms of Australia   | Corindi Beach NSW and optional sites<br>Tumbarumba NSW and Tasmania | <i>Vaccinium</i>                 | Extensive irrigated growing beds. Birds, hail and frost protection. Post harvest facilities including cool rooms. Access to tissue culture laboratories. | I Paananen                  | 15/10/07   |
| Ball Australia   | Keysborough, VIC  | <i>Kalanchoe</i>                 | Controlled climate glasshouse and environment rooms, germination chamber, quarantine house, cool storage, irrigation and outdoor facilities.             | M Lunghusen                 | 3/6/2008   |
| PBseeds  | Horsham, VIC  | <i>Lens culinaris</i>            | Glasshouse, shadehouse, small plot equipment, seed production, processing and long term storage  | T Leonforte<br>G Kadkol     | 5/7/11     |
| Mansfield Propagation Nursery Pty Ltd                                  | Carrum Downes and Skye, VIC   | <i>Lomandra</i>                  | Propagation greenhouses and indoor and outdoor growing areas.  | M Lunghusen                 | 7/11/11    |
| Ramm Botanicals  | Kangy Angy, NSW   | <i>Anigozanthos</i>              | Tissue culture, environment controlled greenhouse; extensive outdoor and shadehouse areas.   | Ryan Weber<br>Megan Bartley | 10/2/2012  |
| Outback Plants Pty Ltd   | Cranbourne, and Longwarry VIC                                       | <i>Aloe</i>                      | Propagation greenhouses and indoor and outdoor growing areas.  | M Lunghusen                 | 10/12/2012 |

The following applications are pending:

| Name                    | Location                   | Genera applied for       | Facilities   | Name of QP |
|-------------------------|----------------------------|--------------------------|--|------------|
| Solan Pty Ltd**         | Waikerie SA                | <i>Solanum tuberosum</i> | Tissue culture, plastic covered nursery, refrigerated storage; experience with comparator growing trials | J. Fennell |
| Yates Botanical Pty Ltd | Somersby and Tuggerah, NSW | <i>Rosa</i>              | Tissue culture lab, glasshouse, quarantine and nursery facilities  | I Paananen |

|                            |                  |                |                                  |            |
|----------------------------|------------------|----------------|----------------------------------|------------|
| Aussie Winners Pty Ltd     | Redland Bay, QLD | <i>Fuchsia</i> | Comprehensive growing facilities | I Paananen |
| Schreurs Australia Pty Ltd | Leppington, NSW  | <i>Rosa</i>    | Comprehensive growing facilities | I Paananen |

\*\* = Please note that Solan Pty Ltd has been requested to submit a special case based on technical reasons to allow a second CTC to be accredited for *Solanum tuberosum*. Accordingly, publication of their pending application does not infer that any decision regarding accreditation has been made at this time.

Comments (both for or against) either the continued accreditation of a CTC or applications to become a CTC are invited. Written comments are confidential and should be addressed to:

The Registrar  
 Plant Breeder's Rights Office  
 IP Australia  
 PO Box 200  
 Woden, ACT 2606  
 Fax (02) 6283 7999

Closing date for comment: 31 December 2012.

## APPENDIX 7

## List of Classes for Variety Denomination Purposes

UPOV Variety Denomination Classes: (UPOV/INF/12/1: ANNEX I)

A Variety Denomination Should not be Used More than Once in the Same Class

For the purposes of providing guidance on the third and fourth sentences of paragraph 2 of Article 20 of the 1991 Act and of Article 13 of the 1978 Act and the 1961 Convention, variety denomination classes have been developed. A variety denomination should not be used more than once in the same class. The classes have been developed such that the botanical taxa within the same class are considered to be closely related and/or liable to mislead or to cause confusion concerning the identity of the variety.

The variety denomination classes are as follows:

(a) General Rule (one genus / one class): for genera and species not covered by the List of Classes in this Annex, a genus is considered to be a class;

(b) Exceptions to the General Rule (list of classes):

(i) classes within a genus: List of classes in this Annex: Part I;

(ii) classes encompassing more than one genus: List of classes in this Annex:

Part II.

## LIST OF CLASSES

Part I*Classes within a genus*

|           | <u>Botanical names</u>  | <u>UPOV codes</u>               |
|-----------|---|---------------------------------|
| Class 1.1 | Brassica oleracea   | BRASS_OLE                       |
| Class 1.2 | Brassica other than Brassica oleracea   | other than BRASS_OLE            |
| Class 2.1 | Beta vulgaris L. var. alba DC.,<br>Beta vulgaris L. var. altissima  | BETAA_VUL_GVA;<br>BETAA_VUL_GVS |
| Class 2.2 | Beta vulgaris ssp. vulgaris var. conditiva Alef. (syn.: B. vulgaris L. var. rubra L.), B. vulgaris L. var. cicla L., B. vulgaris L. ssp. vulgaris var. vulgaris | BETAA_VUL_GVC;<br>BETAA_VUL_GVF |
| Class 2.3 | Beta other than classes 2.1 and 2.2.  | other than classes 2.1 and 2.2  |
| Class 3.1 | Cucumis sativus   | CUCUM_SAT                       |
| Class 3.2 | Cucumis melo  | CUCUM_MEL                       |
| Class 3.3 | Cucumis other than classes 3.1 and 3.2  | other than classes 3.1 and 3.2  |
| Class 4.1 | Solanum tuberosum L.  | SOLAN_TUB                       |
| Class 4.2 | Solanum other than class 4.1  | other than class 4.1            |



**APPENDIX 8****REGISTER OF PLANT VARIETIES**

Register of Plant Varieties contains the legal description of the varieties granted Plant Breeder's Rights. A person may inspect the Register at any reasonable time. Following are the contact details for Registers (1988-2000) kept in each state and territories\*

**South Australia**

Ms Lisa Halskov  
AQIS  
8 Butler Street  
PORT ADELAIDE SA 5000  
Phone 08 8305 9706

**New South Wales**

Mr. Alex Jabs  
General Services  
AQIS  
2 Hayes Road  
ROSEBERY NSW 2018  
Phone 02 9364 7293

**Victoria and Tasmania**

Mr. Colin Hall  
AQIS  
Building D, 2nd Floor  
World Trade Centre  
Flinders Street  
MELBOURNE VIC 3005  
Phone 03 9246 6810

**Queensland**

Mr. Ian Haseler  
AQIS  
2nd Floor  
433 Boundary Street  
SPRING HILL QLD 4000  
Phone 07 3246 8755

**Australian Capital Territory, Northern Territory and Western Australia**

ACT and NT Registers are kept  
in the Library of PBR Office in Canberra  
Phone (02) 6283 2999

\* In accordance with an amendment to section 61 of Plant Breeder's Rights Act, from 2002 the Register of Plant Varieties will be available from the Library of PBR Office in Canberra. The Register is also electronically available from the PBR website at [http://pericles.ipaustralia.gov.au/pbr\\_db/](http://pericles.ipaustralia.gov.au/pbr_db/)



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