

Plant Varieties Journal

Official Journal of Plant Breeder's Rights Office,
IPAustralia

Quarter One 2015

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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. 28 Issue 1) 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/) 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 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 African Intellectual Property Organization (OAPI) became the second intergovernmental organization and the seventy-second member to join the International Union for the Protection of New Varieties of Plants (UPOV) when Mr. Paulin Edou Edou, Director General of OAPI, deposited the instrument of accession of OAPI to the UPOV Convention with the Secretary-General of UPOV, Mr. Francis Gurry, on June 10, 2014.

The purpose of UPOV is to provide and promote an effective system of plant variety protection, with the aim of encouraging the development of new varieties of plants, for the benefit of society (see FAQs at <http://www.upov.int/about/en/faq.html>).

OAPI operates a plant variety protection system which covers the territory of its 17 member States: Benin, Burkina Faso, Cameroon, Central African Republic, Chad, Comoros, Congo, Côte d'Ivoire, Equatorial Guinea, Gabon, Guinea, Guinea Bissau, Mali, Mauritania, Niger, Senegal and Togo. The headquarters of OAPI are in Yaoundé, Cameroon (see <http://www.oapi.int/>).

“The accession of OAPI is a milestone in the history of UPOV and promises to help strengthen the system of plant variety protection around the world and to broaden international cooperation in this area,” Gurry said.

The members of UPOV are:

African Intellectual Property Organization (as of July 10, 2014), Albania, Argentina, Australia, Austria, Azerbaijan, Belarus, Belgium, Bolivia (Plurinational State of), Brazil, Bulgaria, Canada, Chile, China, Colombia, Costa Rica, Croatia, Czech Republic, Denmark, Dominican Republic, Ecuador, Estonia, European Union, 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 Moldova, Romania, Russian Federation, Serbia, Singapore, Slovakia, Slovenia, South Africa, Spain, Sweden, Switzerland, the former Yugoslav Republic of Macedonia, Trinidad and Tobago, Tunisia, Turkey, Ukraine, United Kingdom, United States of America, Uruguay, Uzbekistan and Viet Nam. (Total 72)

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/en/publications/tg-rom/index.html>

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/) for the Qualified Persons (QPs).

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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 if there is a problem in completing the description using IVDS.

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) for further information.



Australian Government

IP Australia

Discovery House, Phillip ACT 2606
 PO Box 200, Woden ACT 2606
 Australia
 Phone: 1300 651 010
 Website: www.ipaustralia.gov.au

Official Notice

Declaration of the days from 1 January 2015, until 1 January 2016, when the Designs Office, the Patent Office, the PBR Office and the Trade Marks Office are taken not to be open for business

The close-down provisions in the Designs, Olympic Insignia protection, Patents, Plant Breeder's Rights and Trade Marks legislation provide for the effect of Designs Office, the Patent Office, the PBR Office and the Trade Marks Office not being open for business.

On 19 November 2014, the Director General of IP Australia declared under the close-down provisions the days when the Canberra offices will not be open for business. A copy of the declaration is attached.

The Canberra offices will not be open for business on the following days in the period **1 January 2015 to 1 January 2016**.

All the Canberra offices:

All Saturdays and Sundays in the period

The Canberra office

Thursday, 1 January 2015	New Year's Day
Monday, 26 January 2015	Australia Day
Monday, 9 March 2015	Canberra Day
Friday, 3 April 2015	Good Friday
Monday, 6 April 2015	Easter Monday
Monday, 8 June 2015	Queen's Birthday Holiday
Monday, 28 September 2015	Family & Community Day
Monday, 5 October 2015	Labour Day
Friday, 25 December 2015 to Friday, 1 January 2016	Christmas Close Down



Australian Government

IP Australia

Discovery House, Phillip ACT 2606
PO Box 200, Woden ACT 2606
Australia
Phone: 1300 651 010
Website: www.ipaustralia.gov.au

For more information on the effect of the close-down provisions, please see the Official Notices of 23 March 2007 titled *Intellectual Property Legislation Amendment Regulations 2007 (No. 1)* and *The new close-down provisions in the trade marks legislation* available on IP Australia's website through the page www.ipaustralia.gov.au/resources/officialnotices.shtml.

Contact: IP Australia
Phone: 1300 651 010
Web: www.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. 28 Issue 1) are listed below:

- [Home](#)
- [Acceptances](#)
- [Variety Descriptions](#)
- [Grants](#)
- [Denomination Changed](#)
- [Synonym Changed](#)
- [Assignment of Rights](#)
- [Change or Nomination of Agent](#)
- [Applications Withdrawn](#)
- [Grants Surrendered](#)
- [Grants Expired](#)
- [Grants Revoked](#)
- [Corrigenda](#)

ACCEPTANCE

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

Solanum lycopersicum

TOMATO

‘Collider’

Application No: 2014/311 Accepted: 07 Jan 2015

Applicant: **Nunhems B.V.**

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

Solanum tuberosum

POTATO

‘Gwenne’

Application No: 2014/296 Accepted: 07 Jan 2015

Applicant: **Germicopa SAS.**

Agent: **Griffith Hack**, Melbourne, VIC.

Solanum tuberosum

POTATO

‘Malou’

Application No: 2014/297 Accepted: 07 Jan 2015

Applicant: **Germicopa SAS.**

Agent: **Griffith Hack**, Melbourne, VIC.

Solanum lycopersicum

TOMATO

‘Intercept’

Application No: 2014/310 Accepted: 07 Jan 2015

Applicant: **Nunhems B.V.**

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

Pittosporum tenuifolium

PITTOSPORUM, KOHUHU, TAWHIWHI

‘WonderScreen’

Application No: 2014/299 Accepted: 08 Jan 2015

Applicant: **Justin Howse**, Rowville, VIC.

Trachelospermum asiaticum

ASIATIC JASMINE

‘SJ01’

Application No: 2014/301 Accepted: 09 Jan 2015

Applicant: **Vic John Ciccolella**.

Agent: **Ozbreed Pty Ltd**, Richmond, NSW.

Festuca arundinacea

TALL FESCUE

‘KT12’

Application No: 2014/302 Accepted: 09 Jan 2015

Applicant: **Ozbreed Pty Limited**, Richmond, NSW.

Daucus carota

CARROT

‘Snow Man’

Application No: 2014/298 Accepted: 13 Jan 2015

Applicant: **Nunhems B.V.**

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

Citrus reticulata x (*Citrus paradisi* x *Citrus reticulata*)

MANDARIN HYBRID

‘LB8-9’

Application No: 2014/320 Accepted: 13 Jan 2015

Applicant: **Florida Foundation Seed Producers, Inc.**

Agent: **Australian Nurserymens Fruit Improvement Company Ltd (ANFIC)**, Kallangur, QLD.

Prunus persica var nucipersica

NECTARINE

‘Moncante’

Application No: 2014/321 Accepted: 13 Jan 2015

Applicant: **Rene Monteux-Caillet.**

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

Ficus elastica

INDIA RUBBER TREE

‘MALOF004’ syn Aussie Pride

Application No: 2014/326 Accepted: 19 Jan 2015

Applicant: **Malof Trading Pty Ltd, Oakville, NSW.**

Solanum tuberosum

POTATO

‘Regina’

Application No: 2014/309 Accepted: 21 Jan 2015

Applicant: **EUROPLANT Pflanzenzucht GmbH.**

Agent: **Dowling AgriTech, Mt Gambier East, SA.**

Vitis vinifera

GRAPE VINE

‘Sheegene 21’

Application No: 2014/305 Accepted: 21 Jan 2015

Applicant: **Sheehan Genetics LLC.**

Agent: **Sheehan Genetics Australia Pty Ltd, Emerald, Vic.**

Solanum tuberosum

POTATO

‘Jurata’

Application No: 2014/308 Accepted: 21 Jan 2015

Applicant: **EUROPLANT Pflanzenzucht GmbH.**

Agent: **Dowling AgriTech, Mt Gambier East, SA.**

Erica hybrid

HEATH

‘Shone 6’

Application No: 2014/332 Accepted: 22 Jan 2015

Applicant: **Irene Shone.**

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

Erica patersonia

HEATHER

‘Shone 1’

Application No: 2014/327 Accepted: 22 Jan 2015

Applicant: **Irene Shone.**

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

Erica hybrid

HEATH

‘Shone 2’

Application No: 2014/328 Accepted: 22 Jan 2015

Applicant: **Irene Shone.**

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

Erica woddii

HEATH

‘Shone 3’

Application No: 2014/329 Accepted: 22 Jan 2015

Applicant: **Irene Shone.**

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

Erica hybrid

HEATH

‘Shone 5’

Application No: 2014/331 Accepted: 22 Jan 2015

Applicant: **Irene Shone.**

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

Erica melanthera x sparsa

HEATH

‘Shone 7’

Application No: 2014/333 Accepted: 22 Jan 2015

Applicant: **Irene Shone.**

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

Erica hybrid

HEATH

‘Shone 8’

Application No: 2014/334 Accepted: 22 Jan 2015

Applicant: **Irene Shone.**

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

Westringia glabra

COASTAL ROSEMARY

‘WES001’ syn Violet Skies

Application No: 2014/164 Accepted: 22 Jan 2015

Applicant: **Peter Goldup.**

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

Erica hybrid

HEATH

‘Shone 4’

Application No: 2014/330 Accepted: 22 Jan 2015

Applicant: **Irene Shone.**

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

Festuca arundinacea

TALL FESCUE

‘BARNABY’

Application No: 2014/319 Accepted: 27 Jan 2015

Applicant: **The Department of Primary Industries, an office of DTIRIS for and on behalf of the state of NSW, Meat & Livestock Australia.**

Agent: **Heritage Seeds Pty Ltd**, Howlong, NSW.

Rosa hybrid

ROSE

‘GRAsalm’

Application No: 2015/001 Accepted: 02 Feb 2015

Applicant: **John C. Gray and Sylvia E. Gray, Brindabella Country Gardens.**

Agent: **Ozbreed Pty Ltd**, Richmond, NSW.

Vitis vinifera

GRAPE VINE

‘IFG-Ten’

Application No: 2014/008 Accepted: 03 Feb 2015

Applicant: **International Fruit Genetics LLC.**

Agent: **Alison MacGregor**, Mildura, VIC.

Rosa hybrid

ROSE

‘GRAapr’

Application No: 2015/002 Accepted: 03 Feb 2015

Applicant: **John C. Gray and Sylvia E. Gray, Brindabella Country Gardens.**

Agent: **Ozbreed Pty Ltd**, Richmond, NSW.

Cucumis melo

MELON

‘Crispy Pear’

Application No: 2014/315 Accepted: 03 Feb 2015

Applicant: **Nunhems B.V.**

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

Cucumis sativus

CUCUMBER, GHERKIN

‘Litoral’

Application No: 2014/316 Accepted: 03 Feb 2015

Applicant: **Rijk Zwaan Zaadteelt en Zaadhandel B.V.**

Agent: **Rijk Zwaan Australia Pty. Ltd.**, Daylesford, VIC.

Solanum tuberosum

POTATO

‘Sunita’

Application No: 2015/009 Accepted: 03 Feb 2015

Applicant: **HZPC Holland B.V., Mts. W.P. & D. Bierma.**

Agent: **Harvest Moon, Forth Farm Produce Pty. Ltd.,** Forth, TAS.

Cynodon dactylon

COUCHGRASS, BERMUDAGRASS

‘UQ-490’

Application No: 2014/313 Accepted: 05 Feb 2015

Applicant: **The University of Queensland; State of Queensland acting through the Department of Agriculture, Fisheries and Forestry.**

Agent: **UniQuest Pty Limited,** St Lucia, QLD.

Cynodon dactylon

COUCHGRASS, BERMUDAGRASS

‘UQ-545’

Application No: 2014/314 Accepted: 05 Feb 2015

Applicant: **The University of Queensland; State of Queensland acting through the Department of Agriculture, Fisheries and Forestry.**

Agent: **UniQuest Pty Limited,** St Lucia, QLD.

Persea americana

AVOCADO

‘Bounty’

Application No: 2013/230 Accepted: 06 Feb 2015

Applicant: **P D P Van Tonder.**

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

Rosa hybrid

BLACK LOCUST

‘Bow01’

Application No: 2015/013 Accepted: 09 Feb 2015

Applicant: **Ian Boden.**

Agent: **Monbulk Rose Farm Pty Ltd**, Monbulk, VIC.

Triticum aestivum

WHEAT

‘Impress CL Plus’ syn IGW3526

Application No: 2015/008 Accepted: 10 Feb 2015

Applicant: **InterGrain Pty Ltd**, Bibra Lake, WA.

Gaura lindheimeri

GAURA, BUTTERFLY BUSH

‘May Farm’

Application No: 2014/088 Accepted: 17 Feb 2015

Applicant: **NuFlora International Pty Ltd**.

Agent: **Australian Perennial Growers Pty Ltd**, Arcadia, NSW.

Hardenbergia violacea

FALSE SARSPARILLA, PURPLE CORAL PEA, WARABURRA

‘Rambosea’

Application No: 2015/010 Accepted: 18 Feb 2015

Applicant: **Ramm Botanicals Holdings Pty Ltd**, Kangy Angy, NSW.

Citrus reticulata

MANDARIN

‘H2’

Application No: 2014/249 Accepted: 20 Feb 2015

Applicant: **Emmertton Investment Trust**.

Agent: **Variety Access Pty Ltd**, Torbanlea, QLD.

Abutilon hybrid

CHINESE LANTERN

‘Nuabred’

Application No: 2015/017 Accepted: 23 Feb 2015

Applicant: **NuFlora International Pty Ltd**.

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

Malus domestica

APPLE

‘Ruby Heart’ syn Rubihart

Application No: 2014/300 Accepted: 23 Feb 2015

Applicant: **Andrew Egan**.

Agent: **Cecilia Egan**, Brighton, VIC.

Fragaria xananassa

STRAWBERRY

‘Triumph’

Application No: 2014/340 Accepted: 23 Feb 2015

Applicant: **Plant Sciences, Inc.**

Agent: **Watermark Patent & Trade Marks Attorneys**, Hawthorn, VIC.

Daucus carota

CARROT

‘PURPLESNAX’

Application No: 2014/312 Accepted: 23 Feb 2015

Applicant: **Nunhems B.V.**

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

Abutilon hybrid

CHINESE LANTERN

‘Nuabtang’

Application No: 2015/018 Accepted: 24 Feb 2015

Applicant: **NuFlora International Pty Ltd**.

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

Argyranthemum frutescens

MARGUERITE DAISY

‘SUPA2220’

Application No: 2015/021 Accepted: 24 Feb 2015

Applicant: **NuFlora International Pty Ltd**.

Agent: **Ramm Botanicals Pty Ltd**, Kangy Angy, NSW.

Argyranthemum frutescens

MARGUERITE DAISY

‘SUPA2101’

Application No: 2015/019 Accepted: 24 Feb 2015

Applicant: **NuFlora International Pty Ltd.**

Agent: **Ramm Botanicals Pty Ltd**, Kangy Angy, NSW.

Argyranthemum frutescens

MARGUERITE DAISY

‘SUPA2235’

Application No: 2015/022 Accepted: 24 Feb 2015

Applicant: **NuFlora International Pty Ltd.**

Agent: **Ramm Botanicals Pty Ltd**, Kangy Angy, NSW.

Impatiens hybrid

NEW GUINEA IMPATIENS

‘Kiroleine’

Application No: 2014/303 Accepted: 25 Feb 2015

Applicant: **Innovaplant Zierpflanzen GmbH & Co KG.**

Agent: **Haars Nursery Pty Ltd**, Somerville, VIC.

Impatiens hybrid

NEW GUINEA IMPATIENS

‘Kironanete’

Application No: 2014/304 Accepted: 25 Feb 2015

Applicant: **Innovaplant Zierpflanzen GmbH & Co KG.**

Agent: **Haars Nursery Pty Ltd**, Somerville, VIC.

Impatiens hybrid

NEW GUINEA IMPATIENS

‘Kirocloe’

Application No: 2014/274 Accepted: 25 Feb 2015

Applicant: **Innovaplant Zierpflanzen GmbH & Co KG.**

Agent: **Haars Nursery Pty Ltd**, Somerville, VIC.

Impatiens hybrid

IMPATIENS

‘Kiroisa’

Application No: 2014/275 Accepted: 25 Feb 2015
Applicant: **Innovaplant Zierpflanzen GmbH & Co KG.**
Agent: **Haars Nursery Pty Ltd**, Somerville, VIC.

Impatiens hybrid

NEW GUINEA IMPATIENS

‘Kironette’

Application No: 2014/277 Accepted: 25 Feb 2015
Applicant: **Innovaplant Zierpflanzen GmbH & Co KG.**
Agent: **Haars Nursery Pty Ltd**, Somerville, VIC.

Impatiens hybrid

NEW GUINEA IMPATIENS

‘Kirotanze’

Application No: 2014/278 Accepted: 25 Feb 2015
Applicant: **Innovaplant Zierpflanzen GmbH & Co KG.**
Agent: **Haars Nursery Pty Ltd**, Somerville, VIC.

Prunus salicina x armeniaca

INTERSPECIFIC PLUM

‘Bellaroyale’

Application No: 2014/273 Accepted: 26 Feb 2015
Applicant: **Zaiger's Inc. Genetics.**
Agent: **Graham's Factree Pty Ltd**, Hoddles Creek, Vic.

Prunus salicina x armeniaca

INTERSPECIFIC PLUM

‘Honey Punch’

Application No: 2014/270 Accepted: 26 Feb 2015
Applicant: **Zaiger's Inc. Genetics.**
Agent: **Graham's Factree Pty Ltd**, Hoddles Creek, VIC.

Prunus salicina x armeniaca

INTERSPECIFIC PLUM

‘Coparose’

Application No: 2014/272 Accepted: 26 Feb 2015

Applicant: **Zaiger's Inc. Genetics.**

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

Vaccinium virgatum

RABBIT-EYE BLUEBERRY, BLACK BLUEBERRY

‘Dolce Blue’ syn Dolce Bliss

Application No: 2014/294 Accepted: 26 Feb 2015

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

Agent: **A J Park**, Canberra, ACT.

Prunus armeniaca x salicina

INTERSPECIFIC APRICOT

‘Coral Cot’

Application No: 2014/271 Accepted: 26 Feb 2015

Applicant: **Zaiger's Inc. Genetics.**

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

Fragaria Xananassa

STRAWBERRY

‘PS-3.108’

Application No: 2014/339 Accepted: 02 Mar 2015

Applicant: **Plant Sciences, Inc..**

Agent: **Watermark Patent & Trade Marks Attorneys**, Hawthorn, VIC.

Fragaria Xananassa

STRAWBERRY

‘BG-3.324’ syn CONFIDENCE

Application No: 2014/341 Accepted: 02 Mar 2015

Applicant: **BERRY GENETICS, Inc..**

Agent: **Watermark Patent & Trademark Attorney**, Hawthorn, VIC.

Fragaria xananassa

STRAWBERRY

‘Florida127’

Application No: 2015/015 Accepted: 03 Mar 2015

Applicant: **Florida Foundation Seed Producers, Inc.**

Agent: **Mills Oakley Lawyers**, Melbourne, VIC.

Fragaria xananassa

STRAWBERRY

‘FL 05-107’

Application No: 2015/014 Accepted: 03 Mar 2015

Applicant: **Florida Foundation Seed Producers, Inc.**

Agent: **Mills Oakley Lawyers**, Melbourne, VIC.

Rubus subg. Eubatus

HYBRIDBERRY

‘Gem’

Application No: 2014/234 Accepted: 04 Mar 2015

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

Agent: **A J Park**, Canberra, ACT.

Mandevilla boliviensis x sanderi

MANDEVILLA

‘Lanmichigan’

Application No: 2014/208 Accepted: 05 Mar 2015

Applicant: **D.H.M Innovation.**

Agent: **Propagation Australia Pty Ltd**, Browns Plains Bc, QLD.

Mandevilla sanderi

MANDEVILLA

‘Laniowa’

Application No: 2014/209 Accepted: 05 Mar 2015

Applicant: **D.H.M Innovation.**

Agent: **Propagation Australia Pty Ltd**, Browns Plains Bc, QLD.

Mandevilla sanderi

MANDEVILLA

‘Lanidaho’

Application No: 2014/218 Accepted: 05 Mar 2015

Applicant: **D.H.M Innovation.**

Agent: **Propagation Australia Pty Ltd**, Browns Plains Bc, QLD.

Mandevilla sanderi

MANDEVILLA

‘Lanminesotta’ syn Rubis Red

Application No: 2014/207 Accepted: 05 Mar 2015

Applicant: **D.H.M Innovation.**

Agent: **Propagation Australia Pty Ltd**, Browns Plains Bc, QLD.

Mandevilla sanderi

MANDEVILLA

‘Lannevada’ syn Topaze Vermillon

Application No: 2014/211 Accepted: 05 Mar 2015

Applicant: **D.H.M Innovation.**

Agent: **Propagation Australia Pty Ltd**, Browns Plains Bc, QLD.

Arachis hypogaea

PEANUT, GROUND NUT

‘Kairi’

Application No: 2015/011 Accepted: 05 Mar 2015

Applicant: **Peanut Company of Australia Limited; Grains Research and Development Corporation, Agri-Science Queensland, Department of Agriculture, Fisheries and Forestry, Kingaroy, QLD.**

Mandevilla sanderi

MANDEVILLA

‘Lancalifornia’ syn Opale Citrine

Application No: 2014/212 Accepted: 05 Mar 2015

Applicant: **D.H.M Innovation.**

Agent: **Propagation Australia Pty Ltd**, Browns Plains Bc, QLD.

Mandevilla amabilis x boliviensis

MANDEVILLA

‘Lanarizona’ syn Agathe White

Application No: 2014/214 Accepted: 05 Mar 2015

Applicant: **D.H.M Innovation.**

Agent: **Propagation Australia Pty Ltd**, Browns Plains Bc, QLD.

Arachis hypogaea

PEANUT, GROUND NUT

‘Taabinga’

Application No: 2015/012 Accepted: 05 Mar 2015

Applicant: **Peanut Company of Australia Limited; Grains Research and Development Corporation, Agri-Science Queensland, Department of Agriculture, Fisheries and Forestry, Kingaroy, QLD.**

Mandevilla sanderi

MANDEVILLA

‘Lanmissouri’ syn Opale Fuchsia Flamme

Application No: 2014/215 Accepted: 05 Mar 2015

Applicant: **D.H.M Innovation.**

Agent: **Propagation Australia Pty Ltd**, Browns Plains Bc, QLD.

Mandevilla sanderi

MANDEVILLA

‘Lanmontana’ syn Rubis Fuchsia

Application No: 2014/210 Accepted: 05 Mar 2015

Applicant: **D.H.M Innovation.**

Agent: **Propagation Australia Pty Ltd**, Browns Plains Bc, QLD.

Mandevilla sanderi

MANDEVILLA

‘Lanoregon’

Application No: 2014/217 Accepted: 05 Mar 2015

Applicant: **D.H.M Innovation.**

Agent: **Propagation Australia Pty Ltd**, Browns Plains Bc, QLD.

Mandevilla sanderi

MANDEVILLA

‘Lanutah’ syn Opale Grenat

Application No: 2014/216 Accepted: 05 Mar 2015

Applicant: **D.H.M Innovation.**

Agent: **Propagation Australia Pty Ltd**, Browns Plains Bc, QLD.

Cucumis melo

MELON

‘Silverock’

Application No: 2015/026 Accepted: 06 Mar 2015

Applicant: **Nunhems B.V..**

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

Fragaria Xananassa

STRAWBERRY

‘PE-6.2036’ syn ARABELLA

Application No: 2014/342 Accepted: 16 Mar 2015

Applicant: **Plant Sciences, Inc..**

Agent: **Watermark Patent & Trade Marks Attorneys**, Hawthorn, VIC.

Vigna unguiculata

COWPEA

‘BRC-011’

Application No: 2015/039 Accepted: 16 Mar 2015

Applicant: **GeneGro Pty Ltd**, Alexandra Hills, QLD.

Epichloe festucae var lolli

ENDOPHYTE - FESCUE

‘E815’

Application No: 2015/029 Accepted: 17 Mar 2015

Applicant: **DLF Trifolium A/S**, Reservoir, VIC.

Epichloe siegelii

FUNGAL ENDOPHYTE -MEADOW FESCUE

'Happe'

Application No: 2015/028 Accepted: 17 Mar 2015
Applicant: **DLF Trifolium A/S**, Reservoir, VIC.

Epichloe coenophiala

ENDOPHYTE

'PTK647'

Application No: 2015/027 Accepted: 17 Mar 2015
Applicant: **DLF Trifolium A/S**, Reservoir, VIC.

Lactuca sativa

LETTUCE

'Densilva'

Application No: 2015/031 Accepted: 18 Mar 2015
Applicant: **Nunhems B.V.**
Agent: **Shelston IP**, Sydney, NSW.

Hydrangea macrophylla

HYDRANGEA

'PIIHM-1'

Application No: 2011/062 Accepted: 18 Mar 2015
Applicant: **Bailey Nurseries**.
Agent: **Flemings Nurseries**, Monbulk, VIC.

Avena sativa

OATS

'Bond' syn PAL3

Application No: 2014/279 Accepted: 19 Mar 2015
Applicant: **NDSU Research Foundation**.
Agent: **Seedserv International Pty Ltd**, Mountain Creek, QLD.

Avena sativa

OATS

‘Boss’ syn PAL2

Application No: 2014/280 Accepted: 19 Mar 2015

Applicant: **NDSU Research Foundation.**

Agent: **Seedserv International Pty Ltd**, Mountain Creek, QLD.

Brassica napus

CANOLA

‘HT-R24’

Application No: 2015/005 Accepted: 19 Mar 2015

Applicant: **Forage Innovations Limited.**

Agent: **A J Park**, Canberra, ACT.

Avena sativa

OATS

‘Savannah’ syn PAL6

Application No: 2014/281 Accepted: 19 Mar 2015

Applicant: **NDSU Research Foundation.**

Agent: **Seedserv International Pty Ltd**, Mountain Creek, QLD.

Solanum tuberosum

POTATO

‘PurplePelisse’ syn PurpleBliss

Application No: 2015/044 Accepted: 27 Mar 2015

Applicant: **Oregon State University.**

Agent: **Anchor Organics**, Pyengana, TAS.

Variety Descriptions

<u>Common (Genus Species)</u>	<u>Variety</u>	<u>Title Holder</u>
<u>Oats (<i>Avena sativa</i>)</u>	Bannister	Western Australian Agriculture Authority, Grains Research and Development Corporation
<u>Oats (<i>Avena sativa</i>)</u>	Williams	MINISTER FOR AGRICULTURE, FOOD AND FISHERIES (Acting through the South Australian Research and Development Institute), Grains Research Development Corporation
<u>Oats (<i>Avena sativa</i>)</u>	Savannah	NDSU Research Foundation
<u>Oats (<i>Avena sativa</i>)</u>	Bond	NDSU Research Foundation
<u>Oats (<i>Avena sativa</i>)</u>	Boss	NDSU Research Foundation
<u>Canola (<i>Brassica napus</i>)</u>	Yetna	Agronomy For Profit
<u>Carrot (<i>Daucus carota</i>)</u>	PURPLESNAX	Nunhems B.V.
<u>Australian native Hibiscus (<i>Hibiscus hybrid</i>)</u>	Aussie Pink	Dr Dion Harrison
<u>Australian native Hibiscus (<i>Hibiscus hybrid</i>)</u>	Aussie Pearl	Dr Dion Harrison
<u>Australian native Hibiscus (<i>Hibiscus hybrid</i>)</u>	Aussie Delight	Dr Dion Harrison
<u>Barley (<i>Hordeum vulgare</i>)</u>	Litmus	InterGrain Pty Ltd
<u>Barley (<i>Hordeum vulgare</i>)</u>	Flinders	InterGrain Pty Ltd
<u>Lettuce (<i>Lactuca sativa</i>)</u>	Bachata	Vilmorin
<u>Lettuce (<i>Lactuca sativa</i>)</u>	Empire Rose	Vilmorin
<u>Lettuce (<i>Lactuca sativa</i>)</u>	Pursuit	Vilmorin
<u>Lettuce (<i>Lactuca sativa</i>)</u>	MULTIGREEN 57	Nunhems B.V.
<u>Apple (<i>Malus domestica</i>)</u>	Co-op 39	Purdue Research Foundation

<u>Apple (<i>Malus domestica</i>)</u>	WMJ63	Willashben Pty Ltd
<u>Apple (<i>Malus domestica</i>)</u>	RS103-110	State of Queensland through its Department of Agriculture, Fisheries and Forestry, Horticulture Australia Limited
<u>Lucerne (<i>Medicago sativa</i>)</u>	SARDI - Grazer	Minister of Agriculture and Fisheries (acting through SARDI)
<u>Lucerne (<i>Medicago sativa</i>)</u>	SARDI 7 Series 2	Minister of Agriculture and Fisheries (acting through SARDI)
<u>Lucerne (<i>Medicago sativa</i>)</u>	SARDI AT7	Minister of Agriculture, Food and Fisheries acting through SARDI
<u>Barrel Medic (<i>Medicago truncatula</i>)</u>	Sultan-SU	MINISTER FOR AGRICULTURE, FOOD AND FISHERIES (Acting through the South Australian Research and Development Institute)
<u>Orange Jasmine (<i>Murraya paniculata</i>)</u>	Flomursis	Floreta Intellectual Property Pty Ltd
<u>Orange Jasmine (<i>Murraya paniculata</i>)</u>	Flomursixs	Floreta Intellectual Property Pty Ltd
<u>Rice (<i>Oryza sativa</i>)</u>	Topaz	NSW Department of Primary Industries for and on behalf of the State of New South Wales, Rural Industries Research and Development Corporation, Ricegrowers Limited (trading as SunRice)
<u>Riceflower (<i>Ozothamnus hybrid</i>)</u>	Colour Surprise	Aussie Colours Pty Ltd
<u>Riceflower (<i>Ozothamnus hybrid</i>)</u>	Magic Marmalade	Aussie Colours Pty Ltd
<u>Raspberry (<i>Rubus idaeus</i>)</u>	DrisRaspSix	Driscoll Strawberry Associates, Inc.
<u>Raspberry (<i>Rubus idaeus</i>)</u>	RADIANCE	Plant Sciences Inc and Berry R&D Inc.
<u>Coral Plant (<i>Russelia equisetiformis</i>)</u>	Orange Braid	Floreta Intellectual Property Pty Ltd
<u>Coral Plant (<i>Russelia equisetiformis</i>)</u>	Red Braid	Floreta Intellectual Property Pty Ltd
<u>Coral Plant (<i>Russelia equisetiformis</i>)</u>	Yellow Braid	Floreta Intellectual Property Pty Ltd

<u>Potato (<i>Solanum tuberosum</i>)</u>	Dakota Trailblazer	NSDU Research Foundation
<u>Potato (<i>Solanum tuberosum</i>)</u>	Chicago	Cygnnet Potato Breeders Ltd
<u>Potato (<i>Solanum tuberosum</i>)</u>	Excalibur	Cygnnet Potato Breeders Ltd
<u>Potato (<i>Solanum tuberosum</i>)</u>	Olympus	Higgins Agriculture Ltd
<u>Potato (<i>Solanum tuberosum</i>)</u>	Laperla	Ijsselmeerpolders BV
<u>Potato (<i>Solanum tuberosum</i>)</u>	Marguerite	Agriculture Victoria Services Pty Ltd
<u>Potato (<i>Solanum tuberosum</i>)</u>	Bafana	KWS POTATO B.V.
<u>Potato (<i>Solanum tuberosum</i>)</u>	Teardrop	Agriculture Victoria Services Pty Ltd
<u>Spinach (<i>Spinacia oleracea</i>)</u>	Scorpius	Nunhems B.V.
<u>Wheat (<i>Triticum aestivum</i>)</u>	Harper	InterGrain Pty Ltd
<u>Wheat (<i>Triticum aestivum</i>)</u>	HATCHET CL PLUS	Australian Grain Technologies Pty Ltd
<u>Wheat (<i>Triticum aestivum</i>)</u>	Cosmick	InterGrain Pty Ltd
<u>Wheat (<i>Triticum aestivum</i>)</u>	Bremer	Australian Grain Technologies Pty Ltd
<u>Wheat (<i>Triticum aestivum</i>)</u>	Sunmate	Australian Grain Technologies Pty Ltd
<u>Wheat (<i>Triticum aestivum</i>)</u>	Mitch	Australian Grain Technologies Pty Ltd
<u>Wheat (<i>Triticum aestivum</i>)</u>	Zen	InterGrain Pty Ltd
<u>Wheat (<i>Triticum aestivum</i>)</u>	Sunlamb	Australian Grain Technologies Pty Ltd
<u>Wheat (<i>Triticum aestivum</i>)</u>	Condo	Australian Grain Technologies Pty Ltd
<u>Wheat (<i>Triticum aestivum</i>)</u>	Kiora	Australian Grain Technologies Pty Ltd
<u>Southern Highbush Blueberry (<i>Vaccinium hybrid</i>)</u>	EB 9-12	Rolfe Nominees, Prunus Persica Pty Ltd
<u>Southern Highbush Blueberry (<i>Vaccinium hybrid</i>)</u>	EB 10-1	Rolfe Nominees, Prunus Persica Pty Ltd
<u>Southern Highbush Blueberry (<i>Vaccinium hybrid</i>)</u>	EB 12-19	Rolfe Nominees, Prunus Persica Pty Ltd

Southern Highbush Blueberry (<i>Vaccinium hybrid</i>)	EB 8-50	Rolfe Nominees, Prunus Persica Pty Ltd
Southern Highbush Blueberry (<i>Vaccinium hybrid</i>)	EB 9-2	Rolfe Nominees, Prunus Persica Pty Ltd
Southern Highbush Blueberry (<i>Vaccinium hybrid</i>)	EB 9-4	Rolfe Nominees, Prunus Persica Pty Ltd
Triticale (<i>xTriticosecale</i>)	Bison	Australian Grain Technologies Pty Ltd

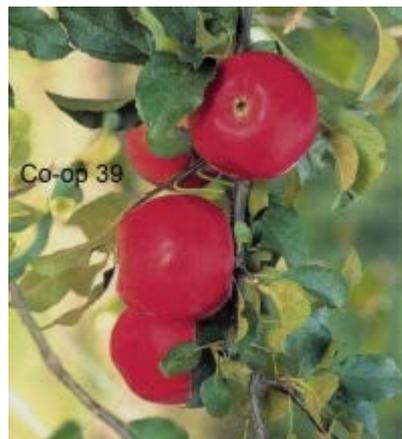
Plant Varieties Journal - Search Result Details

Apple (*Malus domestica*)**Variety:** 'Co-op 39'**Synonym:** N/A**Application no:** 2007/144**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 21-May-2007**Accepted:** 17-Jun-2007**Granted:** N/A

Description published in Plant Varieties Journal:
Volume 28, Issue 1

Title Holder: Purdue Research Foundation**Agent:** Graham's Factree Pty Ltd**Telephone:** 0399991999**Fax:** 0359674645

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

**Date of effect:** 04-May-2015

Plant Varieties Journal - Search Result Details

Apple (*Malus domestica*)**Variety:** 'WMJ63'**Synonym:** TS007**Application no:** 2014/173**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 04-Aug-2014**Accepted:** 10-Sep-2014**Granted:** N/A

Description published in Plant Varieties Journal:
Volume 28, Issue 1

Title Holder: Willashben Pty Ltd**Agent:** N/A**Telephone:** 0883898506**Fax:** 0883898110

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

**Date of effect:** 04-May-2015

Plant Varieties Journal - Search Result Details

Apple (*Malus domestica*)**Variety:** 'RS103-110'**Synonym:** N/A**Application no:** 2013/115**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 22-May-2013**Accepted:** 02-Aug-2013**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 28, Issue 1**Title Holder:** State of Queensland through its Department of Agriculture, Fisheries and Forestry, Horticulture Australia Limited
Agent: Department of Agriculture, Fisheries and Forestry, Queensland
Telephone: 0732554465
Fax: 0738466371

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Australian native Hibiscus (*Hibiscus hybrid*)**Variety:** 'Aussie Pink'**Synonym:** N/A**Application no:** 2013/088**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 15-Apr-2013**Accepted:** 14-May-2013**Granted:** N/A

Description published in Plant Varieties Journal:
Volume 28, Issue 1

Title Holder: Dr Dion Harrison**Agent:** InnoV8 Botanics Pty Ltd**Telephone:** N/A**Fax:** N/A

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Australian native Hibiscus (*Hibiscus hybrid*)**Variety:** 'Aussie Pearl'**Synonym:** N/A**Application no:** 2013/086**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 15-Apr-2013**Accepted:** 14-May-2013**Granted:** N/A**Description published in Plant Varieties Journal:**

Volume 28, Issue 1

Title Holder: Dr Dion Harrison**Agent:** InnoV8 Botanics Pty Ltd**Telephone:** N/A**Fax:** N/A[View the detailed description of this variety.](#)

Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Australian native Hibiscus (*Hibiscus hybrid*)**Variety:** 'Aussie Delight'**Synonym:** N/A**Application no:** 2013/087**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 15-Apr-2013**Accepted:** 14-May-2013**Granted:** N/A**Description published in Plant Varieties Journal:**

Volume 28, Issue 1

Title Holder: Dr Dion Harrison**Agent:** InnoV8 Botanics Pty Ltd**Telephone:** N/A**Fax:** N/A

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



Date of effect: 04-May-2015

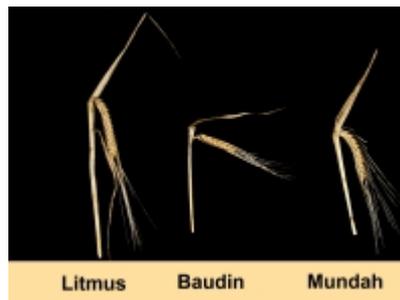
Plant Varieties Journal - Search Result Details

Barley (*Hordeum vulgare*)**Variety:** 'Litmus'**Synonym:** N/A**Application no:** 2013/160**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 11-Jul-2013**Accepted:** 21-Aug-2013**Granted:** N/A

Description published in Plant Varieties Journal:
Volume 28, Issue 1

Title Holder: InterGrain Pty Ltd**Agent:** N/A**Telephone:** 0894198000**Fax:** 0894198099

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



Date of effect: 04-May-2015

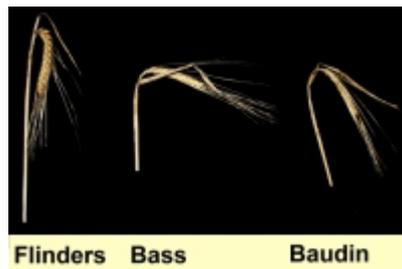
Plant Varieties Journal - Search Result Details

Barley (*Hordeum vulgare*)**Variety:** 'Flinders'**Synonym:** N/A**Application no:** 2012/158**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 22-Aug-2012**Accepted:** 14-Mar-2013**Granted:** N/A

Description published in Plant Varieties Journal:
Volume 28, Issue 1

Title Holder: InterGrain Pty Ltd**Agent:** N/A**Telephone:** 08 9419800**Fax:** 0894198099

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Barrel Medic (*Medicago truncatula*)**Variety:** 'Sultan-SU'**Synonym:** N/A**Application no:** 2013/201**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 17-Aug-2013**Accepted:** 09-Oct-2013**Granted:** N/A

Description published in Plant Varieties Journal:
Plant Varieties Journal: Volume 28, Issue 1

Title Holder: MINISTER FOR AGRICULTURE, FOOD AND FISHERIES
 (Acting through the South Australian Research and Development Institute)

Agent: N/A**Telephone:** 0883039572**Fax:** 0883039403

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Canola (*Brassica napus*)

Variety: 'Yetna'
Synonym: BCT001

Application no: 2014/085

Current status: ACCEPTED

Certificate no: N/A

Received: 07-May-2014

Accepted: 12-Jun-2014

Granted: N/A

Description published in Plant Varieties Journal: Volume 28, Issue 1

Title Holder: Agronomy For Profit

Agent: N/A

Telephone: N/A

Fax: 0899383904

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Carrot (*Daucus carota*)**Variety:** 'PURPLESNAX'**Synonym:** N/A**Application no:** 2014/312**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 11-Dec-2014**Accepted:** 23-Feb-2015**Granted:** N/A

Description published in Plant Varieties Journal:
Volume 28, Issue 1

Title Holder: Nunhems B.V.**Agent:** Shelston IP**Telephone:** 0297771111**Fax:** 0292414666

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Coral Plant (*Russelia equisetiformis*)**Variety:** 'Orange Braid'**Synonym:** N/A**Application no:** 2014/034**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 25-Feb-2014**Accepted:** 11-Mar-2014**Granted:** N/A

Description published in Plant Varieties Journal:
Volume 28, Issue 1

Title Holder: Floreta Intellectual Property Pty Ltd**Agent:** Kerry Bunker**Telephone:** N/A**Fax:** N/A

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



Date of effect: 04-May-2015

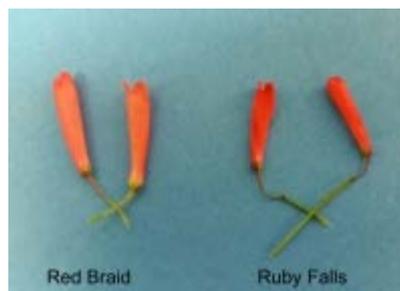
Plant Varieties Journal - Search Result Details

Coral Plant (*Russelia equisetiformis*)**Variety:** 'Red Braid'**Synonym:** N/A**Application no:** 2014/033**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 25-Feb-2014**Accepted:** 11-Mar-2014**Granted:** N/A

Description published in Plant Varieties Journal:
Volume 28, Issue 1

Title Holder: Floreta Intellectual Property Pty Ltd**Agent:** Kerry Bunker**Telephone:** N/A**Fax:** N/A

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Coral Plant (*Russelia equisetiformis*)**Variety:** 'Yellow Braid'**Synonym:** N/A**Application no:** 2014/035**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 25-Feb-2014**Accepted:** 11-Mar-2014**Granted:** N/A

Description published in Plant Varieties Journal:
Volume 28, Issue 1

Title Holder: Floreta Intellectual Property Pty Ltd**Agent:** Kerry Bunker**Telephone:** N/A**Fax:** N/A

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Lettuce (*Lactuca sativa*)**Variety:** 'Bachata'**Synonym:** N/A**Application no:** 2013/213**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 27-Aug-2013**Accepted:** 23-Sep-2013**Granted:** N/A

Description published in Plant Varieties Journal:
Volume 28, Issue 1

Title Holder: Vilmorin**Agent:** Shelston IP**Telephone:** 0297771111**Fax:** 0292414666

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Lettuce (*Lactuca sativa*)**Variety:** 'Empire Rose'**Synonym:** N/A**Application
no:** 2014/240**Current
status:** ACCEPTED**Certificate
no:** N/A**Received:** 14-Oct-2014**Accepted:** 11-Nov-2014**Granted:** N/A**Description
published in
Plant
Varieties
Journal:** Volume 28, Issue 1**Title Holder:** Vilmorin**Agent:** Shelston IP**Telephone:** 0297771111**Fax:** 0292414666

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Lettuce (*Lactuca sativa*)**Variety:** 'Pursuit'**Synonym:** N/A**Application
no:** 2013/212**Current
status:** ACCEPTED**Certificate
no:** N/A**Received:** 27-Aug-2013**Accepted:** 23-Sep-2013**Granted:** N/A**Description
published in
Plant
Varieties
Journal:** Volume 28, Issue 1**Title Holder:** Vilmorin**Agent:** Shelston IP**Telephone:** 0297771111**Fax:** 0292414666

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Lettuce (*Lactuca sativa*)**Variety:** 'MULTIGREEN 57'**Synonym:** N/A**Application no:** 2013/293**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 12-Nov-2013**Accepted:** 22-Nov-2013**Granted:** N/A

Description published in Plant Varieties Journal:
Volume 28, Issue 1

Title Holder: Nunhems B.V.**Agent:** Shelston IP**Telephone:** 0297771111**Fax:** 0292414666

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Lucerne (*Medicago sativa*)**Variety:** 'SARDI-Grazer'**Synonym:** SARDI-Grazier**Application no:** 2011/180**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 02-Aug-2011**Accepted:** 27-Oct-2011**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 28, Issue 1**Title Holder:** Minister of Agriculture and Fisheries (acting through SARDI)**Agent:** N/A**Telephone:** 0883039498**Fax:** N/A

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Lucerne (*Medicago sativa*)

Variety: 'SARDI 7 Series 2'
Synonym: SARDI Seven Series 2

Application no: 2011/179

Current status: ACCEPTED

Certificate no: N/A

Received: 02-Aug-2011

Accepted: 27-Oct-2011

Granted: N/A

Description published in Plant Varieties Journal:
Volume 28, Issue 1

Title Holder: Minister of Agriculture and Fisheries (acting through SARDI)
Agent: N/A
Telephone: 0883039498
Fax: N/A

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Lucerne (*Medicago sativa*)**Variety:** 'SARDI AT7'**Synonym:** N/A**Application no:** 2013/310**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 09-Dec-2013**Accepted:** 22-Jan-2014**Granted:** N/A

Description published in Plant Varieties Journal:
Volume 28, Issue 1

Title: Minister of Agriculture, Food and Fisheries acting**Holder:** through SARDI**Agent:** N/A**Telephone:** 0883039572**Fax:** N/A

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

**Date of effect:** 04-May-2015

Plant Varieties Journal - Search Result Details

Oats (*Avena sativa*)**Variety:** 'Bannister'**Synonym:** N/A**Application no:** 2012/247**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 09-Nov-2012**Accepted:** 30-Apr-2013**Granted:** N/A**Description published in Plant Varieties Journal:**

Volume 28, Issue 1

Title: Western Australian Agriculture Authority, Grains
Holder: Research and Development Corporation
Agent: Department of Agriculture and Food Western Australia
Telephone: 0893683058
Fax: N/A

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Oats (*Avena sativa*)**Variety:** 'Williams'**Synonym:** N/A**Application no:** 2013/151**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 03-Jul-2013**Accepted:** 18-Nov-2013**Granted:** N/A

Description published in Plant Varieties Journal:
Plant Varieties Journal: Volume 28, Issue 1

Title Holder: MINISTER FOR AGRICULTURE, FOOD AND FISHERIES
 (Acting through the South Australian Research and Development Institute), Grains Research Development Corporation

Agent: Western Australian Agricultural Authority**Telephone:** 0893683058**Fax:** N/A

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Oats (*Avena sativa*)**Variety:** 'Savannah'**Synonym:** PAL6**Application no:** 2014/281**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 21-Nov-2014**Accepted:** 19-Mar-2015**Granted:** N/A**Description published in Plant Varieties Journal:**

Volume 28, Issue 1

Title Holder: NDSU Research Foundation**Agent:** Seedserv International Pty Ltd**Telephone:** 0746357895**Fax:** N/A[View the detailed description of this variety.](#)

Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Oats (*Avena sativa*)**Variety:** 'Bond'**Synonym:** PAL3**Application no:** 2014/279**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 18-Nov-2014**Accepted:** 19-Mar-2015**Granted:** N/A

Description published in Plant Varieties Journal:
Volume 28, Issue 1

Title Holder: NDSU Research Foundation**Agent:** Seedserv International Pty Ltd**Telephone:** 0746357895**Fax:** N/A

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Oats (*Avena sativa*)**Variety:** 'Boss'**Synonym:** PAL2**Application no:** 2014/280**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 20-Nov-2014**Accepted:** 19-Mar-2015**Granted:** N/A

Description published in Plant Varieties Journal:
Volume 28, Issue 1

Title Holder: NDSU Research Foundation**Agent:** Seedserv International Pty Ltd**Telephone:** 0746357895**Fax:** N/A

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Orange Jasmine (*Murraya paniculata*)**Variety:** 'Flomursis'**Synonym:** Style-it-S**Application no:** 2014/055**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 21-Mar-2014**Accepted:** 30-Apr-2014**Granted:** N/A

Description published in Plant Varieties Journal:
Volume 28, Issue 1

Title Holder: Floreta Intellectual Property Pty Ltd**Agent:** Kerry Bunker**Telephone:** N/A**Fax:** N/A

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Orange Jasmine (*Murraya paniculata*)**Variety:** 'Flomursixs'**Synonym:** Style-it-XS**Application no:** 2014/056**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 21-Mar-2014**Accepted:** 30-Apr-2014**Granted:** N/A

Description published in Plant Varieties Journal:
Volume 28, Issue 1

Title Holder: Floreta Intellectual Property Pty Ltd**Agent:** Kerry Bunker**Telephone:** N/A**Fax:** N/A

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Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Potato (*Solanum tuberosum*)**Variety:** 'Dakota Trailblazer'**Synonym:** N/A**Application no:** 2014/017**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 29-Jan-2014**Accepted:** 11-Apr-2014**Granted:** N/A

Description published in Plant Varieties Journal:
Volume 28, Issue 1

Title Holder: NSDU Research Foundation**Agent:** Simplot Australia Pty Ltd**Telephone:** 0395883621**Fax:** N/A

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Potato (*Solanum tuberosum*)**Variety:** 'Chicago'**Synonym:** N/A**Application no:** 2014/029**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 13-Feb-2014**Accepted:** 06-Mar-2014**Granted:** N/A

Description published in Plant Varieties Journal:
Volume 28, Issue 1

Title Holder: Cygnet Potato Breeders Ltd**Agent:** Elders Rural Services Australia Ltd**Telephone:** 0353379925**Fax:** 0353379900

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



Date of effect: 04-May-2015

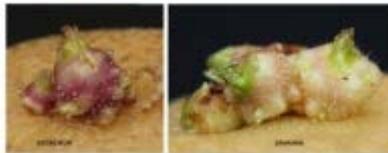
Plant Varieties Journal - Search Result Details

Potato (*Solanum tuberosum*)**Variety:** 'Excalibur'**Synonym:** N/A**Application no:** 2014/028**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 13-Feb-2014**Accepted:** 06-Mar-2014**Granted:** N/A

Description published in Plant Varieties Journal:
Volume 28, Issue 1

Title Holder: Cygnet Potato Breeders Ltd**Agent:** Elders Rural Services Australia Ltd**Telephone:** 0353379925**Fax:** 0353379900

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Potato (*Solanum tuberosum*)**Variety:** 'Olympus'**Synonym:** N/A**Application no:** 2014/023**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 06-Feb-2014**Accepted:** 21-Feb-2014**Granted:** N/A

Description published in Plant Varieties Journal:
Volume 28, Issue 1

Title Holder: Higgins Agriculture Ltd**Agent:** Dowling Agritech**Telephone:** 0887230411**Fax:** 0887230433

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Potato (*Solanum tuberosum*)**Variety:** 'Laperla'**Synonym:** N/A**Application no:** 2014/021**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 04-Feb-2014**Accepted:** 27-Feb-2014**Granted:** N/A

Description published in Plant Varieties Journal:
Volume 28, Issue 1

Title Holder: Ijsselmeerpolders BV**Agent:** Elders Rural Services Australia Ltd**Telephone:** 0353379925**Fax:** 0353379900

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Potato (*Solanum tuberosum*)**Variety:** 'Marguerite'**Synonym:** N/A**Application no:** 2013/255**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 11-Oct-2013**Accepted:** 22-Nov-2013**Granted:** N/A

Description published in Plant Varieties Journal:
Volume 28, Issue 1

Title Holder: Agriculture Victoria Services Pty Ltd**Agent:** Elders Rural Services Ltd**Telephone:** 0353379925**Fax:** 0353379900

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Potato (*Solanum tuberosum*)**Variety:** 'Bafana'**Synonym:** N/A**Application
no:** 2012/071**Current
status:** ACCEPTED**Certificate
no:** N/A**Received:** 16-Apr-2012**Accepted:** 27-Apr-2012**Granted:** N/A**Description
published in
Plant
Varieties
Journal:** Volume 28, Issue 1**Title Holder:** KWS POTATO B.V.**Agent:** Dowling AgriTech**Telephone:** 0887230411**Fax:** 0887230433

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Potato (*Solanum tuberosum*)**Variety:** 'Teardrop'**Synonym:** N/A**Application no:** 2014/191**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 20-Aug-2014**Accepted:** 28-Aug-2014**Granted:** N/A

Description published in Plant Varieties Journal:
Volume 28, Issue 1

Title Holder: Agriculture Victoria Services Pty Ltd**Agent:** N/A**Telephone:** 0392174134**Fax:** 0392174161

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Raspberry (*Rubus idaeus*)**Variety:** 'DrisRaspSix'**Synonym:** N/A**Application no:** 2012/274**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 04-Dec-2012**Accepted:** 17-Apr-2014**Granted:** N/A

Description published in Plant Varieties Journal:
Volume 28, Issue 1

Title Holder: Driscoll Strawberry Associates, Inc.**Agent:** Phillips Ormonde Fitzpatrick**Telephone:** 0396222287**Fax:** 0396141867

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Raspberry (*Rubus ideaus*)**Variety:** 'RADIANCE'**Synonym:** N/A**Application no:** 2012/040**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 24-Feb-2012**Accepted:** 04-Jun-2012**Granted:** N/A

Description published in Plant Varieties Journal:
Volume 28, Issue 1

Title Holder: Plant Sciences Inc and Berry R&D Inc.**Agent:** Watermark Patent and Trademark Attorneys**Telephone:** 0398191664**Fax:** 0398196010

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Rice (*Oryza sativa*)

Variety: 'Topaz'
Synonym: YRF209

Application no: 2014/118
Current status: ACCEPTED
Certificate no: N/A
Received: 13-Jun-2014
Accepted: 01-Aug-2014
Granted: N/A

Description published in Plant Varieties Journal: Volume 28, Issue 1

Title Holder: NSW Department of Primary Industries for and on behalf of the State of New South Wales, Rural Industries Research and Development Corporation, Ricegrowers Limited (trading as SunRice)
Agent: N/A
Telephone: 0263913540
Fax: 0263913740

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



Plant Varieties Journal - Search Result Details

Riceflower (*Ozothamnus hybrid*)**Variety:** 'Colour Surprise'**Synonym:** N/A**Application no:** 2013/189**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 08-Aug-2013**Accepted:** 05-Sep-2013**Granted:** N/A

Description published in Plant Varieties Journal:
Volume 28, Issue 1

Title Holder: Aussie Colours Pty Ltd**Agent:** InnoV8 Botanics Pty Ltd**Telephone:** N/A**Fax:** N/A

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



Colour Surprise



Magic Marmalade

Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Riceflower (*Ozothamnus hybrid*)**Variety:** 'Magic Marmalade'**Synonym:** N/A**Application no:** 2013/188**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 08-Aug-2013**Accepted:** 05-Sep-2013**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 28, Issue 1**Title Holder:** Aussie Colours Pty Ltd**Agent:** InnoV8 Botanics Pty Ltd**Telephone:** N/A**Fax:** N/A

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Southern Highbush Blueberry (*Vaccinium hybrid*)**Variety:** 'EB 9-12'**Synonym:** N/A**Application no:** 2014/245**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 16-Oct-2014**Accepted:** 23-Dec-2014**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 28, Issue 1**Title Holder:** Rolfe Nominees, Prunus Persica Pty Ltd**Agent:** Australian Nurserymen's Fruit Improvement Company (ANFIC) Ltd**Telephone:** 0734919905**Fax:** 0734919929

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Southern Highbush Blueberry (*Vaccinium hybrid*)**Variety:** 'EB 10-1'**Synonym:** N/A**Application no:** 2014/246**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 16-Oct-2014**Accepted:** 23-Dec-2014**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 28, Issue 1**Title Holder:** Rolfe Nominees, Prunus Persica Pty Ltd**Agent:** Australian Nurserymen's Fruit Improvement Company (ANFIC) Ltd**Telephone:** 0734919905**Fax:** 0734919929

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Southern Highbush Blueberry (*Vaccinium hybrid*)**Variety:** 'EB 12-19'**Synonym:** N/A**Application no:** 2014/247**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 16-Oct-2014**Accepted:** 23-Dec-2014**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 28, Issue 1**Title Holder:** Rolfe Nominees, Prunus Persica Pty Ltd**Agent:** Australian Nurserymen's Fruit Improvement Company (ANFIC) Ltd**Telephone:** 0734919905**Fax:** 0734919929

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Southern Highbush Blueberry (*Vaccinium hybrid*)**Variety:** 'EB 8-50'**Synonym:** N/A**Application no:** 2014/242**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 16-Oct-2014**Accepted:** 23-Dec-2014**Granted:** N/A

Description published in Plant Varieties Journal:
Volume 28, Issue 1

Title Holder: Rolfe Nominees, Prunus Persica Pty Ltd

Agent: Australian Nurserymen's Fruit Improvement Company (ANFIC) Ltd

Telephone: 0734919905

Fax: 0734919929

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Southern Highbush Blueberry (*Vaccinium hybrid*)**Variety:** 'EB 9-2'**Synonym:** N/A**Application no:** 2014/243**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 16-Oct-2014**Accepted:** 23-Dec-2014**Granted:** N/A

Description published in Plant Varieties Journal:
Volume 28, Issue 1

Title Holder: Rolfe Nominees, Prunus Persica Pty Ltd

Agent: Australian Nurserymen's Fruit Improvement Company (ANFIC) Ltd

Telephone: 0734919905

Fax: 0734919929

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Southern Highbush Blueberry (*Vaccinium hybrid*)**Variety:** 'EB 9-4'**Synonym:** N/A**Application no:** 2014/244**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 16-Oct-2014**Accepted:** 23-Dec-2014**Granted:** N/A

Description published in Plant Varieties Journal:
Volume 28, Issue 1

Title Holder: Rolfe Nominees, Prunus Persica Pty Ltd

Agent: Australian Nurserymen's Fruit Improvement Company (ANFIC) Ltd

Telephone: 0734919905

Fax: 0734919929

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Spinach (*Spinacia oleracea*)**Variety:** 'Scorpius'**Synonym:** N/A**Application no:** 2014/268**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 06-Nov-2014**Accepted:** 18-Nov-2014**Granted:** N/A

Description published in Plant Varieties Journal:
Volume 28, Issue 1

Title Holder: Nunhems B.V.**Agent:** Shelston IP**Telephone:** 0297771111**Fax:** 0292414666

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

**Date of effect:** 04-May-2015

Plant Varieties Journal - Search Result Details

Triticale (*xTriticosecale*)**Variety:** 'Bison'**Synonym:** N/A**Application no:** 2014/124**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 20-Jun-2014**Accepted:** 06-Aug-2014**Granted:** N/A

Description published in Plant Varieties Journal:
Volume 28, Issue 1

Title Holder: Australian Grain Technologies Pty Ltd**Agent:** N/A**Telephone:** 0883136861**Fax:** 0883136865

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



Date of effect: 04-May-2015

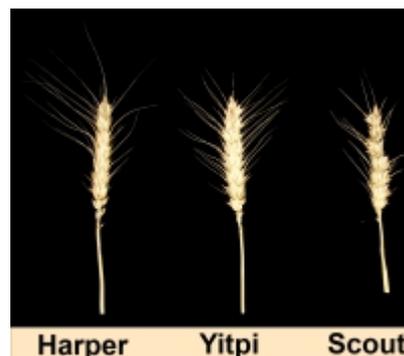
Plant Varieties Journal - Search Result Details

Wheat (*Triticum aestivum*)**Variety:** 'Harper'**Synonym:** N/A**Application no:** 2013/258**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 17-Oct-2013**Accepted:** 15-Nov-2013**Granted:** N/A

Description published in Plant Varieties Journal: Volume 28, Issue 1

Title Holder: InterGrain Pty Ltd**Agent:** N/A**Telephone:** 0894198027**Fax:** 0894198099

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Wheat (*Triticum aestivum*)**Variety:** 'HATCHET CL PLUS'**Synonym:** N/A**Application no:** 2014/100**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 03-Jun-2014**Accepted:** 02-Jul-2014**Granted:** N/A

Description published in Plant Varieties Journal: Volume 28, Issue 1

Title Holder: Australian Grain Technologies Pty Ltd**Agent:** N/A**Telephone:** 0883136861**Fax:** 0883136865

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Wheat (*Triticum aestivum*)**Variety:** 'Cosmick'**Synonym:** IGW3423**Application no:** 2014/178**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 08-Aug-2014**Accepted:** 21-Aug-2014**Granted:** N/A

Description published in Plant Varieties Journal:
Volume 28, Issue 1

Title Holder: InterGrain Pty Ltd**Agent:** N/A**Telephone:** 0894198000**Fax:** 0894198099

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Wheat (*Triticum aestivum*)**Variety:** 'Bremer'**Synonym:** N/A**Application no:** 2014/128**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 26-Jun-2014**Accepted:** 01-Aug-2014**Granted:** N/A

Description published in Plant Varieties Journal: Volume 28, Issue 1

Title Holder: Australian Grain Technologies Pty Ltd**Agent:** N/A**Telephone:** 0883136861**Fax:** 0883136865

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



Date of effect: 04-May-2015

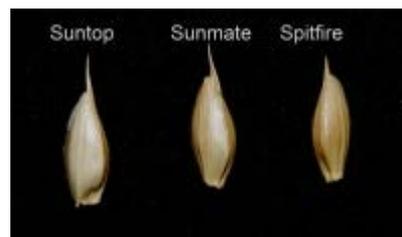
Plant Varieties Journal - Search Result Details

Wheat (*Triticum aestivum*)**Variety:** 'Sunmate'**Synonym:** N/A**Application no:** 2014/122**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 20-Jun-2014**Accepted:** 04-Jul-2014**Granted:** N/A

Description published in Plant Varieties Journal:
Volume 28, Issue 1

Title Holder: Australian Grain Technologies Pty Ltd**Agent:** N/A**Telephone:** 0883136861**Fax:** 0883136865

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Wheat (*Triticum aestivum*)**Variety:** 'Mitch'**Synonym:** N/A**Application no:** 2014/119**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 20-Jun-2014**Accepted:** 03-Jul-2014**Granted:** N/A

Description published in Plant Varieties Journal:
Volume 28, Issue 1

Title Holder: Australian Grain Technologies Pty Ltd**Agent:** N/A**Telephone:** 0883136861**Fax:** 0883136865

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Wheat (*Triticum aestivum*)

Variety: 'Zen'
Synonym: IGW6046

Application no: 2014/197

Current status: ACCEPTED

Certificate no: N/A

Received: 25-Aug-2014

Accepted: 04-Sep-2014

Granted: N/A

Description published in Plant Varieties Journal: Volume 28, Issue 1

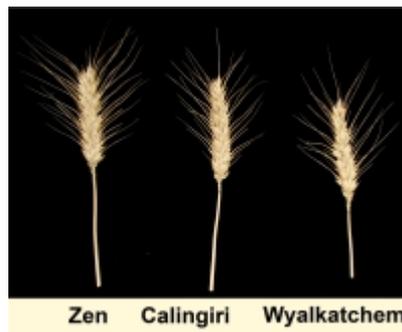
Title Holder: InterGrain Pty Ltd

Agent: N/A

Telephone: 0894198027

Fax: 0894198099

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Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Wheat (*Triticum aestivum*)**Variety:** 'Sunlamb'**Synonym:** N/A**Application no:** 2014/121**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 20-Jun-2014**Accepted:** 04-Jul-2014**Granted:** N/A

Description published in Plant Varieties Journal:
Volume 28, Issue 1

Title Holder: Australian Grain Technologies Pty Ltd**Agent:** N/A**Telephone:** 0883136861**Fax:** 0883136865

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Wheat (*Triticum aestivum*)**Variety:** 'Condo'**Synonym:** N/A**Application no:** 2014/101**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 03-Jun-2014**Accepted:** 01-Jul-2014**Granted:** N/A

Description published in Plant Varieties Journal:
Volume 28, Issue 1

Title Holder: Australian Grain Technologies Pty Ltd**Agent:** N/A**Telephone:** 0883136861**Fax:** 0883136865

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



Date of effect: 04-May-2015

Plant Varieties Journal - Search Result Details

Wheat (*Triticum aestivum*)**Variety:** 'Kiora'**Synonym:** N/A**Application no:** 2014/102**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 03-Jun-2014**Accepted:** 01-Jul-2014**Granted:** N/A

Description published in Plant Varieties Journal:
Volume 28, Issue 1

Title Holder: Australian Grain Technologies Pty Ltd**Agent:** N/A**Telephone:** 0883136861**Fax:** 0883136865

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



Date of effect: 04-May-2015

Details of Application	
Application Number	2007/144
Variety Name	'Co-op 39'
Genus Species	<i>Malus domestica</i>
Common Name	Apple
Synonym	Nil
Accepted Date	17 June 2007
Applicant	Purdue Research Foundation, West Lafayette, IN, USA.
Agent	Graham's Factree Pty Ltd, Hoddles Creek, VIC
Qualified Person	Graham Fleming

Details of Comparative Trial

Overseas Testing Authority	United States Patent and Trademarks Office (USPTO)
Overseas Data Reference Number	PP16622
Descriptor	Apple (<i>Malus domestica</i>) UPOV TG/14/8
Conditions	Characters verified under local conditions in Yellingbo, VIC.

Origin and Breeding

Cross Pollination: 'PCFW2-134' x PR1 '669-205'. The new and distinct variety of apple tree originated in New Jersey, USA. It resulted in a planned hybridization program between the seed parent 'PCFW2-134' and 'PR1 669-205' (unpatented) pollen parent. The present new variety is distinguished from other apple varieties due to the following unique combination of characteristics: resistance to apple scab; very crisp flesh and excellent dessert quality; very attractive colour (almost completely red); good storage ability. Asexual reproduction of the variety onto 'Malling 7' (unpatented) rootstock confirms uniformity, stability and distinctness through succeeding propagations. The new variety differs from its seed parent having crisp flesh. It differs from pollen parent in being resistant to apple scab disease. Breeders: Jules Janik, Edwin Williams, Joseph Goffreda and Schuyler Korban, Purdue Research Foundation.

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
Fruit	shape	globose
Fruit	ground colour	Yellow green
Fruit	hue of overcolour	purple red
Tree	Flesh colour	yellowish

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Co-op 43'	It is a medium sized, red striped apple maturing late
'Co-op 33'	A small sized apple, also resistant to apple scab, matures approximately 3 days after 'Co-op 39'.

Varieties of Common Knowledge identified and subsequently excluded					
Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Co-op 43''	Fruit	maturity	early	late	matures approximately 1-2 weeks after 'Co-op 39'

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	'Co-op 39'	'Co-op 33'
<input checked="" type="checkbox"/> Tree: vigour	weak	medium
<input type="checkbox"/> *Tree: type	ramified	ramified
<input type="checkbox"/> *Tree: habit (varieties with ramified tree type only)	spreading	spreading
<input checked="" type="checkbox"/> Leaf blade: pubescence on lower side	absent or weak	medium
<input type="checkbox"/> *Flower: predominant colour at balloon stage	dark red	dark red
<input checked="" type="checkbox"/> Flower: position of stigmas relative to anthers	same level	above
<input checked="" type="checkbox"/> *Fruit: size	medium	small
<input type="checkbox"/> *Fruit: general shape	globose	globose
<input type="checkbox"/> Fruit: ribbing	absent or weak	absent or weak
<input type="checkbox"/> Fruit: crowning at calyx end	absent or weak	absent or weak
<input type="checkbox"/> Fruit: greasiness of skin	absent or weak	absent or weak
<input type="checkbox"/> *Fruit: ground colour	yellow green	yellow green
<input type="checkbox"/> *Fruit: relative area of over colour	large to very large	large to very large
<input type="checkbox"/> *Fruit: hue of over colour ? with bloom removed	purple red	purple red
<input type="checkbox"/> *Fruit: pattern of over colour	only solid flush	only solid flush
<input checked="" type="checkbox"/> *Fruit: length of stalk	short	medium
<input type="checkbox"/> *Fruit: depth of stalk cavity	medium	medium
<input type="checkbox"/> *Fruit: firmness of flesh	firm to very firm	firm
<input type="checkbox"/> *Fruit: colour of flesh	yellowish	yellowish
<input type="checkbox"/> *Fruit: aperture of locules	closed or slightly open	closed or slightly open
<input type="checkbox"/> *Time of: beginning of flowering	medium to late	medium
<input type="checkbox"/> *Time of: eating maturity	early to medium	medium

Prior Applications and Sales

Country	Year	Current Status	Name Applied
USA	2004	Granted	'Co-op 39'
South Africa	2011	Applied	'Co-op 39'
New Zealand	2011	Granted	'Co-op 39'
European Union	2005	Granted	'Co-op 39'
Serbia	2012	Granted	'Co-op 39'
Switzerland	2006	Granted	'Co-op 39'

First sold in Australia in July 2006.

Description: **Rebecca Fleming**, Hoddles Creek, VIC.

Details of Application		
Application Number	2014/173	
Variety Name	'WMJ63'	
Genus Species	<i>Malus domestica</i>	
Common Name	Apple	
Synonym	TS007	
Accepted Date	10 Sep 2014	
Applicant	Willashben Pty Ltd., Lenswood, SA	
Qualified Person	Gregory Cramond	
Details of Comparative Trial		
Location	Kenton Creek, Gumeracha, SA	
Descriptor	Malus domestica TG/14/9	
Period	Winter 2012 – 2014/15	
Conditions	Site on old vineyard ground. 850 mm annual rainfall Loam over clay soil. Soil PH-6	
Trial Design	30 Trees planted. Comparators in adjacent rows.	
Measurements	Orchard rows planted 2.2m in row and 2.8m between rows. Comparators at same spacing.	
RHS Chart - edition		
Origin and Breeding		
Chance seedling. Found growing near Gala orchard - St. Hubert's Rd, Yering, Victoria. Owner of orchard observed variety as distinctly different and collected it. Putative parent - 'Royal Gala'. On Jan 2010 budding onto rootstocks. Budding first generation material in each subsequent year. First orchard planting on 2012 and observed for uniformity and stability. Breeder: Willashben Pty Ltd., Lenswood, SA.		
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
Tree	type	ramified
Fruit	hue of over colour - with bloom removed	red to purple red
Time of	beginning of flowering	early to medium
Time of	eating maturity	early to medium
Time for	harvest	early
Most Similar Varieties of Common Knowledge identified (VCK)		
Name	Comments	
'Royal Gala'	Most commonly grown early variety in South Australia and presumed parent of candidate.	
'Fiero Fuji'	Other most commonly grown early type in South Australia. Not so similar to candidate in appearance but only other variety now commonly grown that has similar maturity.	

Varieties of Common Knowledge identified and subsequently excluded					
Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Gravenstein'	Fruit	relative area of over colour	large	small	considered because its early maturity

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	'WMJ63'	'Fiero Fuji'	'Royal Gala'
<input checked="" type="checkbox"/> Tree: vigour	medium to strong	medium	weak to medium
<input type="checkbox"/> *Tree: type	ramified	ramified	ramified
<input checked="" type="checkbox"/> *Tree: habit (varieties with ramified tree type only)	spreading	drooping	upright
<input type="checkbox"/> Tree: type of bearing	on spurs and long shoots	on spurs and long shoots	on spurs only
<input type="checkbox"/> One-year-old shoot: thickness	medium to thick	thin to medium	thin
<input type="checkbox"/> *One-year-old shoot: length of internode	medium to long	medium to long	medium
<input type="checkbox"/> One-year-old shoot: colour on sunny side	reddish brown	reddish brown	reddish brown
<input type="checkbox"/> One-year-old shoot: pubescence	strong	medium to strong	medium to strong
<input type="checkbox"/> *One-year-old shoot: number of lenticels	medium	few to medium	medium
<input type="checkbox"/> *Leaf blade: attitude in relation to shoot	upwards	outwards	outwards
<input type="checkbox"/> *Leaf blade: length	medium	medium	medium
<input type="checkbox"/> *Leaf blade: width	medium to broad	broad	narrow to medium
<input type="checkbox"/> *Leaf blade: ratio length/width	medium to large	medium to large	medium
<input checked="" type="checkbox"/> Leaf blade: intensity of green colour	medium to dark	light to medium	dark
<input type="checkbox"/> Leaf blade: incisions of margin	serrate type 1	serrate type 2	serrate type 2
<input type="checkbox"/> Leaf blade: pubescence on lower side	medium	absent or weak	medium
<input type="checkbox"/> *Petiole: length	medium to long	medium to long	long
<input checked="" type="checkbox"/> Petiole: extent of anthocyanin colouration from base	medium	small	small to medium
<input type="checkbox"/> *Flower: predominant colour at balloon stage	dark pink	light pink	dark pink
<input checked="" type="checkbox"/> *Flower: diameter with petals pressed	large	small to medium	medium

into horizontal position			
<input type="checkbox"/> *Flower: arrangement of petals	free	free	free
<input type="checkbox"/> Flower: position of stigmas relative to anthers	same level	same level	below
<input checked="" type="checkbox"/> Young fruit: extent of anthocyanin overcolour	medium	small	medium
<input type="checkbox"/> *Fruit: size	medium	medium	small to medium
<input type="checkbox"/> *Fruit: height	medium to tall	medium	medium to tall
<input type="checkbox"/> *Fruit: diameter	small to medium	medium	small to medium
<input type="checkbox"/> *Fruit: ratio height/diameter	medium	medium	medium
<input checked="" type="checkbox"/> *Fruit: general shape	ovoid	globose	conic
<input type="checkbox"/> Fruit: ribbing	moderate	absent or weak	absent or weak
<input type="checkbox"/> Fruit: crowning at calyx end	moderate	moderate	moderate
<input type="checkbox"/> *Fruit: size of eye	medium	medium to large	medium
<input checked="" type="checkbox"/> Fruit: length of sepal	medium to long	short	medium
<input checked="" type="checkbox"/> *Fruit: bloom of skin	absent or weak	strong	absent or weak
<input type="checkbox"/> Fruit: greasiness of skin	absent or weak	moderate	absent or weak
<input type="checkbox"/> *Fruit: ground colour	yellow green	yellow green	whitish yellow
<input type="checkbox"/> *Fruit: relative area of over colour	large	medium	medium to large
<input type="checkbox"/> *Fruit: hue of over colour - with bloom removed	red	purple red	red
<input checked="" type="checkbox"/> *Fruit: intensity of over colour	dark	light to medium	medium to dark
<input checked="" type="checkbox"/> *Fruit: pattern of over colour	only solid flush	only solid flush	solid flush with strongly defined stripes
<input type="checkbox"/> *Fruit: area of russet around stalk attachment	medium	medium	medium
<input type="checkbox"/> *Fruit: area of russet around eye basin	absent or small	absent or small	absent or small
<input type="checkbox"/> Fruit: number of lenticels	few to medium	few	few to medium
<input type="checkbox"/> Fruit: size of lenticels	small to medium	medium	small to medium
<input type="checkbox"/> *Fruit: length of stalk	medium	medium	medium
<input type="checkbox"/> *Fruit: thickness of stalk	medium to thick	medium	medium
<input type="checkbox"/> *Fruit: depth of stalk cavity	medium to deep	shallow to medium	medium
<input type="checkbox"/> *Fruit: width of stalk cavity	medium to broad	broad	medium to broad

<input type="checkbox"/> *Fruit: depth of eye basin	shallow to medium	shallow to medium	medium
<input type="checkbox"/> *Fruit: width of eye basin	medium to broad	narrow to medium	medium to broad
<input type="checkbox"/> *Fruit: colour of flesh	yellowish	yellowish	cream
<input type="checkbox"/> *Fruit: aperture of locules	moderately open	closed or slightly open	moderately open
<input type="checkbox"/> *Time of: beginning of flowering	early to medium	medium	medium
<input type="checkbox"/> Time for: harvest	early	early	early
<input type="checkbox"/> *Time of: eating maturity	early to medium	medium	early to medium

Statistical Table

Organ/Plant Part: Context	'WMJ63'	'Fiero Fuji'	'Royal Gala'
<input checked="" type="checkbox"/> Fruit: overcolour (%)			
Mean	83.75	51.00	70.75
Std. Deviation	7.56	8.75	9.91
LSD/sig	7.64	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Fruit: weight (gm)			
Mean	195.65	193.75	160.60
Std. Deviation	25.03	20.65	11.43
LSD/sig	3.22	ns	P≤0.01
<input type="checkbox"/> Fruit: soluble solids (°brix)			
Mean	12.57	12.35	12.98
Std. Deviation	0.82	1.09	1.12
LSD/sig	0.86	ns	ns
<input checked="" type="checkbox"/> Fruit : flesh firmness (KgF)			
Mean	8.24	7.21	7.46
Std. Deviation	0.62	0.54	0.58
LSD/sig	0.49	P≤0.01	ns

Prior Applications and Sales

Nil

Description: **Gregory Cramond**, Basket Range, SA.

Details of Application	
Application Number	2013/115
Variety Name	'RS103-110'
Genus Species	<i>Malus domestica</i>
Common Name	Apple
Synonym	Nil
Accepted Date	02 Aug 2013
Applicant	State of Queensland through its Department of Agriculture, Fisheries and Forestry, Brisbane, QLD and Horticulture Australia Limited, Melbourne, VIC
Agent	Department of Agriculture, Fisheries and Forestry, Queensland, Brisbane, QLD
Qualified Person	Heidi Parkes
Details of Comparative Trial	
Location	Applethorpe Research Station, Corner of Roessler Ave and New England Highway, Applethorpe, Queensland, 4378, Australia
Descriptor	UPOV Technical Guideline for Apple –Fruit Varieties (TG/14/9)
Period	2006-2015
Conditions	The comparative trial was located in one of the Applethorpe Research Station research orchards, covered by hail netting. The soil is a shallow grey granitic sandy loam with a base of decomposed granite. The comparative trial was planted in rows oriented north in Sep 2006, with 3.5m between the rows and 1.5m between trees within the rows. The trial was irrigated and fertilised to commercial standards with irrigation and some fertilisers applied using a drip irrigation system. The trial trees were trained to a central leader and dormant pruned annually.
Trial Design	The trial is a randomised complete block design with 10 replicates of each variety.
Measurements	Taken in accordance with UPOV TG/14/9 technical guidelines.
RHS Chart - edition	1986
Origin and Breeding	
Controlled pollination: conventional cross pollination was undertaken in 1993 as per the methods described in Janick & Moore (Eds) Methods in Fruit Breeding, with controlled pollination between 'Royal Gala'(female parent) and 'CPR7T90' (pollen parent). The fruit of 'Royal Gala' were allowed to develop until mature, then were harvested and the seeds extracted. These seeds were vernalised for a period of up to twelve weeks (moist and at 2° C) until ready for germination. This produced a family of apple seedlings which were inoculated at the 3 to 5 leaf stage with a fungal suspension of apple black spot conidia (2.5 x 10 ⁵ spores/mL) in order to cull susceptible seedlings. Resistant seedlings were field planted in July 1995 at Applethorpe Research Station, and 'RS103-110' selected in 2003. Scion wood was	

taken from the 'RS103-110' seedling and top worked onto mature red Gala trees on 'MM.106' rootstock. Scion wood was subsequently taken from these top worked trees to graft on to a range of rootstocks for a large scale productivity research trial which was planted at Applethorpe Research Station in 2005. There has been no evidence of off-types through these two generations of vegetative propagation. Breeder: John Wilkie, Department of Agriculture, Fisheries and Forestry, Queensland.

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
Tree	type		ramified
Tree	habit		spreading
Fruit	relative area of over colour		large to very large
Time of	harvest		early to medium
Time of	eating maturity		early to medium
Most Similar Varieties of Common Knowledge identified (VCK)			
Name		Comments	
'Royal Gala'		Maternal parent	
Varieties of Common Knowledge identified and subsequently excluded			
Variety	Distinguishing Characteristics		State of Expression in Candidate Variety
'Hi Early Red Delicious'	Fruit	shape	obloid
			conic

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	'RS103-110'	'Royal Gala'
<input type="checkbox"/> Tree: vigour	medium	weak to medium
<input type="checkbox"/> *Tree: type	ramified	ramified
<input type="checkbox"/> *Tree: habit (varieties with ramified tree type only)	spreading	spreading
<input type="checkbox"/> Tree: type of bearing	on spurs and long shoots	on spurs and long shoots
<input type="checkbox"/> One-year-old shoot: thickness	medium	thin to medium
<input checked="" type="checkbox"/> *One-year-old shoot: length of internode	short to medium	medium to long
<input type="checkbox"/> One-year-old shoot: colour on sunny side	reddish brown	light brown
<input checked="" type="checkbox"/> One-year-old shoot: pubescence	weak	medium
<input type="checkbox"/> *One-year-old shoot: number of lenticels	few	few
<input type="checkbox"/> *Leaf blade: attitude in relation to shoot	upwards	upwards

<input type="checkbox"/> *Leaf blade: length	medium	medium
<input type="checkbox"/> *Leaf blade: width	medium	medium
<input type="checkbox"/> *Leaf blade: ratio length/width	medium	medium
<input type="checkbox"/> Leaf blade: intensity of green colour	medium	medium
<input type="checkbox"/> Leaf blade: incisions of margin	serrate type 2	biserrate
<input type="checkbox"/> Leaf blade: pubescence on lower side	medium	medium
<input type="checkbox"/> *Petiole: length	medium	medium
<input type="checkbox"/> Petiole: extent of anthocyanin colouration from base	small	small
<input type="checkbox"/> *Flower: predominant colour at balloon stage	dark pink	dark pink
<input type="checkbox"/> *Flower: diameter with petals pressed into horizontal position	medium	medium
<input type="checkbox"/> *Flower: arrangement of petals	intermediate	intermediate
<input type="checkbox"/> Flower: position of stigmas relative to anthers	same level	above
<input checked="" type="checkbox"/> *Fruit: size	small to medium	medium to large
<input checked="" type="checkbox"/> *Fruit: general shape	obloid	conic
<input type="checkbox"/> Fruit: ribbing	absent or weak	absent or weak
<input type="checkbox"/> Fruit: crowning at calyx end	absent or weak	absent or weak
<input type="checkbox"/> *Fruit: size of eye	medium	medium
<input type="checkbox"/> Fruit: length of sepal	medium	medium to long
<input type="checkbox"/> *Fruit: bloom of skin	moderate	absent or weak
<input type="checkbox"/> Fruit: greasiness of skin	moderate	absent or weak
<input type="checkbox"/> *Fruit: ground colour	whitish yellow	yellow
<input type="checkbox"/> *Fruit: relative area of over colour	large to very large	large to very large
<input checked="" type="checkbox"/> *Fruit: hue of over colour with bloom removed	purple red	red
<input checked="" type="checkbox"/> *Fruit: intensity of over colour	dark to very dark	medium
<input type="checkbox"/> *Fruit: pattern of over colour	solid flush with weakly defined stripes	solid flush with strongly defined stripes
<input type="checkbox"/> *Fruit: width of stripes	medium	medium
<input type="checkbox"/> *Fruit: area of russet around stalk attachment	medium	medium
<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 type="checkbox"/> Fruit: number of lenticels	medium	medium

<input type="checkbox"/> Fruit: size of lenticels	small	small
<input checked="" type="checkbox"/> *Fruit: length of stalk	short	medium to long
<input checked="" type="checkbox"/> *Fruit: thickness of stalk	thick	medium
<input type="checkbox"/> *Fruit: colour of flesh	white	white
<input type="checkbox"/> *Fruit: aperture of locules	moderately open	moderately open
<input type="checkbox"/> *Time of: beginning of flowering	early	medium
<input type="checkbox"/> Time for: harvest	early to medium	early
<input type="checkbox"/> *Time of: eating maturity	early to medium	early

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'RS103-110'	'Royal Gala'
<input checked="" type="checkbox"/> Tree: resistance to apple-scab	resistant	susceptible
Statistical Table		
Organ/Plant Part: Context	'RS103-110'	'Royal Gala'
<input checked="" type="checkbox"/> Fruit : height (mm)		
Mean	56.61	63.71
Std. Deviation	4.42	3.35
LSD/sig	4.48	P≤0.01
<input checked="" type="checkbox"/> Fruit: diameter (mm)		
Mean	71.69	76.49
Std. Deviation	3.73	2.28
LSD/sig	3.53	P≤0.01
<input checked="" type="checkbox"/> Fruit: ratio height/diameter		
Mean	0.79	0.83
Std. Deviation	0.04	0.03
LSD/sig	0.04	P≤0.01
<input checked="" type="checkbox"/> Fruit: depth of stalk cavity (mm)		
Mean	11.43	18.35
Std. Deviation	3.40	2.01
LSD/sig	3.18	P≤0.01
<input type="checkbox"/> Fruit: width of stalk cavity (mm)		
Mean	29.75	32.07
Std. Deviation	2.82	1.49
LSD/sig	2.58	ns
<input type="checkbox"/> Fruit: depth of eye basin (mm)		
Mean	7.55	7.55
Std. Deviation	0.95	1.47
LSD/sig	1.41	ns
<input checked="" type="checkbox"/> Fruit: width of eye basin (mm)		
Mean	29.70	26.88
Std. Deviation	2.15	1.89
LSD/sig	2.31	P≤0.01

<input checked="" type="checkbox"/> Fruit: flesh firmness (KgF)		
Mean	9.03	7.40
Std. Deviation	0.70	0.80
LSD/sig	0.86	P≤0.01
<input type="checkbox"/> Fruit: starch pattern index (0-6 scale)		
Mean	5.56	5.67
Std. Deviation	0.53	0.71
LSD/sig	0.71	ns
<input type="checkbox"/> Fruit: total soluble solids (%)		
Mean	13.08	13.54
Std. Deviation	0.88	0.49
LSD/sig	0.81	ns

Prior Applications and Sales

Nil.

Description: **Heidi Parkes**, Applethorpe Research Station, Applethorpe, QLD.

Details of Application		
Application Number	2013/088	
Variety Name	'Aussie Pink'	
Genus Species	<i>Hibiscus</i> hybrid	
Common Name	Australian native Hibiscus	
Synonym	Nil	
Accepted Date	14 May 2013	
Applicant	Dr Dion Harrison, Karana Downs, QLD	
Agent	InnoV8 Botanics Pty Ltd, Karana Downs, QLD	
Qualified Person	Dion Harrison	
Details of Comparative Trial		
Location	Gatton, QLD, Australia	
Descriptor	TG/Hibiscus (proj.3)	
Period	March 2013 to Dec 2014	
Conditions	Plants were propagated by cuttings and grown in 175 mm pots in soil-less medium outdoors, fertilised with controlled release fertiliser and drip irrigated. After about 12 months, the plants were potted up into 28L grow bags and grown under the same conditions as earlier to allow the plants to grow to maturity.	
Trial Design	Complete randomised block design with equal replication (n=15).	
Measurements	Petal measurements were taken from 15 plants or plant parts and performed in the morning when flowers were fully open.	
RHS Chart - edition	1966	
Origin and Breeding		
Controlled pollination: on the 02/12/06, a flower of <i>Hibiscus</i> hybrid 'Wirruna' was hand pollinated with pollen from a selected form of <i>Hibiscus</i> sp. Barambah Creek. The mature capsule was collected and 20 seeds were sown on the 06/02/07. The seedlings were grown in a shade house. The 14 seedlings that germinated were first evaluated on the 03/03/07 and the candidate was selected for its lack of stem prickles. The candidate was potted, and evaluated again on the 09/09/07 and selected for its lack of prickles and attractive light green furry foliage. On the 21/10/07, the candidate was noted for its attractive pink flowers presented horizontally. Plants were propagated from stem cuttings for further evaluation. An in-ground trial was planted in March 2009 and observed and evaluated through to November 2010. During the in-ground trial, it was noted that the candidate has good pest and disease tolerance compared to most other selections under evaluation. Commercial production trials commenced in November 2010. Dr Dion Harrison, Karana Downs, QLD.		
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 epicalyx	presence	present
Flower	calyx venation/ribbing present or absent	present

Stem	degree of prickles	absent or very few		
Flower	Number of colours (excluding eye zone)	one		
Flower stalk	peduncle and pedicel or pedicel only	peduncle and pedicel		
Flower	main colour	pink		
Most Similar Varieties of Common Knowledge identified (VCK)				
Name		Comments		
'Barambah Creek'		Pink flower with peduncle and pedicel		
Varieties of Common Knowledge identified and subsequently excluded				
Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Rosie'	Flower stalk peduncle and pedicel or pedicel only	peduncle and pedicel	pedicel only	pink flower

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	'Aussie Pink'	'Barambah Creek'
<input checked="" type="checkbox"/> *Plant: growth habit	upright	spreading
<input type="checkbox"/> Plant: height	medium	medium
<input checked="" type="checkbox"/> Plant: density of branching	medium to dense	sparse to medium
<input checked="" type="checkbox"/> Branch: attitude	moderately upwards	outwards
<input type="checkbox"/> *Leaf blade: variegation	absent	absent
<input type="checkbox"/> Leaf blade: undulation of margin	absent or very weak	absent or very weak
<input type="checkbox"/> Leaf blade: type of incisions of margin	serrate	serrate
<input type="checkbox"/> *Flower: type	single	single
<input type="checkbox"/> Flower: opening of petals	present	present
<input type="checkbox"/> Flower: overlapping of petals (varieties with single and semidouble flowers only)	medium	weak
<input type="checkbox"/> Flower: crest (varieties with single and semi-double flowers only)	absent	absent
<input type="checkbox"/> Flower: diameter	large	medium to large
<input type="checkbox"/> *Flower: main colour	pink	pink
<input checked="" type="checkbox"/> Flower: eye zone	present	absent
<input checked="" type="checkbox"/> Eye zone: size (extensions excluded)	medium	-

<input type="checkbox"/>	Eye zone: number of colours	one	-
<input type="checkbox"/>	Petal: shape	type 2	type 2
<input type="checkbox"/>	*Petal: number of colours (excluding eye zone)	one	one
<input checked="" type="checkbox"/>	*Petal: main colour of inner side (RHS Colour Chart)	63D	73C
<input checked="" type="checkbox"/>	*Petal: main colour of outer side (RHS Colour Chart)	73B	73A
<input type="checkbox"/>	Staminal column: main colour (varieties with single and semi-double flowers only)	red	red
<input type="checkbox"/>	Stigma pad: colour	dark red	dark red

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Aussie Pink'	'Barambah Creek'	
<input type="checkbox"/>	Flower stalk: peduncle and pedicel or pedicel only	peduncle and pedicel	peduncle and pedicel
<input type="checkbox"/>	Flower: fragrance	present	absent or weak
<input checked="" type="checkbox"/>	Stem: colour (RHS colour chart)	145B- C	174C
<input checked="" type="checkbox"/>	Leaf blade - upper side: colour (RHS colour chart)	137D	191A
<input checked="" type="checkbox"/>	Leaf blade - lower side: colour (RHS colour chart)	137A	191B
<input type="checkbox"/>	Stem: degree of prickles	absent or very few	absent or very few

Statistical Table

Organ/Plant Part: Context	'Aussie Pink'	'Barambah Creek'
<input checked="" type="checkbox"/>	Petal length (mm)	
Mean	103.19	90.80
Std. Deviation	3.89	5.06
LSD/sig	4.55	P≤0.01

Prior Applications: Nil

First sold in Australia in April 2012.

Description: **Dion Harrison**, Karana Downs, QLD.

Details of Application		
Application Number	2013/086	
Variety Name	'Aussie Pearl'	
Genus Species	<i>Hibiscus</i> hybrid	
Common Name	Australian native Hibiscus	
Synonym	Nil	
Accepted Date	14 May 2013	
Applicant	Dr Dion Harrison, Karana Downs, QLD	
Agent	InnoV8 Botanics Pty Ltd., Karana Downs, QLD	
Qualified Person	Dion Harrison	
Details of Comparative Trial		
Location	Gatton, QLD, Australia	
Descriptor	TG/Hibiscus (proj.3)	
Period	March 2013 to Dec 2014	
Conditions	Plants were propagated by cuttings and grown in 175 mm pots in soil-less medium outdoors, fertilised with controlled release fertiliser and drip irrigated. After about 12 months, the plants were potted up into 28L grow bags and grown under the same conditions as earlier to allow the plants to grow to maturity.	
Trial Design	Complete randomised block design with equal replication (n=15).	
Measurements	Petal measurements were taken from 15 plants or plant parts and performed in the morning when flowers were fully open.	
RHS Chart - edition	2007	
Origin and Breeding		
Controlled pollination: on the 07/10/06, a flower of <i>Hibiscus</i> sp. 'Barambah Creek' was hand pollinated with pollen from a selected form of <i>Hibiscus heterophyllus</i> (white flower). The mature capsule was collected and 20 seeds were sown on the 06/02/07. The seedlings were grown in a shade house. The 20 seedlings were first evaluated on the 03/03/07 and the candidate was selected for its lack of stem prickles. The candidate was potted, and evaluated again on the 09/09/07 for its lack of prickles on the main stem, compact habit and basal branching. On the 21/10/07, the candidate was noted for its attractive illustrious white flower which presented horizontally, and attractive dark brown stems and contrasting dark green furry foliage. Plants were propagated from stem cuttings for further evaluation. An in-ground trial was planted in March 2009 and observed and evaluated through to November 2010. During the in-ground trial, it was noted that the candidate has good pest and disease tolerance compared to most other selections under evaluation. Commercial production trials commenced in November 2010. Breeder: Dr Dion Harrison, Karana Downs, QLD.		
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 epicalyx	presence	present
Flower calyx	presence	present

Flower	calyx venation/ribbing	present
Leaf blade	variegation	absent
Flower	type	single
Flower	main colour	white-pink
Petal	shape	type 2
Plant	growth habit	semi-upright to spreading
Plant	height	medium
Flower	opening of petals	present
Stem	degree of prickles	absent or very few
Petal	Number of colours (excluding eye zone)	two

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Aussie Delight'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Ian's Cream'	Stem	degree of prickles	absent or very few	medium	cream/white-pink flowers but prickly stems.
'Aussie Pink'	Petal	number of colours (excluding eye zone)	two	one	
'Barambah Creek'	Petal	number of colours (excluding eye zone)	two	one	
'Rosie'	Petal	number of colours (excluding eye zone)	two	one	

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	'Aussie Pearl'	'Aussie Delight'
<input type="checkbox"/> *Plant: growth habit	upright to spreading	upright to spreading
<input type="checkbox"/> Plant: height	medium	medium
<input type="checkbox"/> Plant: density of branching	medium to dense	dense
<input type="checkbox"/> Branch: attitude	moderately upwards	moderately upwards
<input type="checkbox"/> *Leaf blade: width	broad	broad
<input type="checkbox"/> *Leaf blade: main colour	dark green	dark green

<input type="checkbox"/>	*Leaf blade: variegation	absent	absent
<input checked="" type="checkbox"/>	Leaf blade: undulation of margin	strong	absent or very weak
<input checked="" type="checkbox"/>	Leaf blade: type of incisions of margin	biserrate	serrate
<input type="checkbox"/>	*Flower: type	single	single
<input type="checkbox"/>	Flower: opening of petals	present	present
<input type="checkbox"/>	Flower: overlapping of petals (varieties with single and semi-double flowers only)	weak to medium	medium
<input type="checkbox"/>	Flower: diameter	medium	medium
<input type="checkbox"/>	Flower: eye zone	present	present
<input type="checkbox"/>	Eye zone: size (extensions excluded)	very small to small	very small
<input type="checkbox"/>	Eye zone: number of colours	one	one
<input type="checkbox"/>	Petal: length	medium	medium
<input type="checkbox"/>	Petal: width	medium to broad	medium to broad
<input type="checkbox"/>	Petal: shape	type 2	type 2
<input type="checkbox"/>	*Petal: number of colours (excluding eye zone)	two	two
<input type="checkbox"/>	Petal: distribution of secondary colour	flushed	flushed
<input checked="" type="checkbox"/>	*Petal: main colour of inner side (RHS Colour Chart)	N155D	N155
<input checked="" type="checkbox"/>	*Petal: main colour of outer side (RHS Colour Chart)	N155B	56B
<input type="checkbox"/>	Staminal column: main colour (varieties with single and semi-double flowers only)	red	red
<input type="checkbox"/>	Stigma pad: colour	dark red	dark red
<input checked="" type="checkbox"/>	Time of: beginning of flowering	medium to late	early

Characteristics Additional to the Descriptor/TG		
Organ/Plant Part: Context	'Aussie Pearl'	'Aussie Delight'
<input checked="" type="checkbox"/> Flower stalk: peduncle and pedicel or pedicel only	peduncle and pedicel	pedicel only
<input type="checkbox"/> Flower: fragrance	present	present
<input checked="" type="checkbox"/> Petal: secondary colour of outer side (RHS colour chart)	N77B	63A
<input checked="" type="checkbox"/> Flower: secondary colour	white-pink	yellow-pink

Statistical Table		
Organ/Plant Part: Context	'Aussie Pearl'	'Aussie Delight'
<input type="checkbox"/> Petal: length (mm)		
Mean	94.28	91.51
Std. Deviation	4.16	4.19
LSD/sig	4.21	ns

Nil Prior Applications

First sold in Australia in April 2012.

Description: **Dion Harrison**, Karana Downs, QLD.

Details of Application		
Application Number	2013/087	
Variety Name	'Aussie Delight'	
Genus Species	<i>Hibiscus</i> hybrid	
Common Name	Australian native Hibiscus	
Synonym	Nil	
Accepted Date	14 May 2013	
Applicant	Dr Dion Harrison, Karana Downs, QLD	
Agent	InnoV8 Botanics Pty Ltd., Karana Downs, QLD	
Qualified Person	Dion Harrison	
Details of Comparative Trial		
Location	Gatton, QLD	
Descriptor	TG/Hibiscus (proj.3)	
Period	March 2013 to Dec 2014	
Conditions	Plants were propagated by cuttings and grown in 175 mm pots in soil-less medium outdoors, fertilised with controlled release fertiliser and drip irrigated. After about 12 months, the plants were potted up into 28L grow bags and grown under the same conditions as earlier to allow the plants to grow to maturity.	
Trial Design	Complete randomised block design with equal replication (n=15).	
Measurements	Petal measurements were taken from 15 plants or plant parts and performed in the morning when flowers were fully open.	
RHS Chart - edition	2007	
Origin and Breeding		
Controlled pollination: on the 04/09/06, a flower of <i>Hibiscus</i> hybrid 'Citrus Haze' was hand pollinated with <i>Hibiscus heterophyllus</i> 'Rosie' pollen. The mature capsule was collected and 22 seeds were sown on the 24/11/06. The seedlings were grown in a shade house. The seedlings were first evaluated on the 20/01/07 and the candidate was selected for its lack of stem prickles compared to most of its siblings. The candidate was potted, and evaluated again on the 17/10/07 for its lack of prickles on the main stem, compact habit and basal branching and attractive glossy dark green foliage and red-brown stems. On the 11/10/08, the candidate was noted for its attractive pink-peach flowers which presented facing up and plants were propagated from stem cuttings for further evaluation. An In-ground trial was planted in March 2009 and observed and evaluated through to November 2010. During the in-ground trial, it was noted that the candidate has good pest and disease tolerance compared to most other selections under evaluation. Commercial production trials commenced in November 2010. Breeder: Dr Dion Harrison, Karana Downs, QLD.		
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	type	single
Calyx	ribbing present or absent	present

Plant	growth habit	semi-upright to spreading
Leaf	variegation	absent
Stem	degree of prickles	absent or very few
Leaf blade	variegation	absent
Plant	height	medium
Petal	shape	type 2
Flower	Number of colours (excluding eye zone)	two
Flower epicalyx	presence	present
Flower	opening of petals	present
Flower	main colour	white-pink

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Aussie Pearl'	White-pink flowers, stems mostly prickle free.

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Aussie Pink'	Petal	Number of colours (excluding eye zone)	two	one	pink flower
'Barambah Creek'	Petal	Number of colours (excluding eye zone)	two	one	pink flower
'Rosie'	Petal	Numbers of colours (excluding eye zone)	two	one	pink flower

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	'Aussie Delight'	'Aussie Pearl'
<input type="checkbox"/> *Plant: growth habit	upright to spreading	upright to spreading
<input type="checkbox"/> Plant: height	medium	medium
<input type="checkbox"/> Plant: density of branching	dense	medium to dense
<input type="checkbox"/> Branch: attitude	moderately upwards	moderately upwards
<input type="checkbox"/> *Leaf blade: main colour	dark green	dark green
<input type="checkbox"/> *Leaf blade: variegation	absent	absent
<input checked="" type="checkbox"/> Leaf blade: undulation of margin	absent or very weak	strong
<input checked="" type="checkbox"/> Leaf blade: type of incisions of margin	serrate	biserrate

<input type="checkbox"/> *Flower: type	single	single
<input type="checkbox"/> Flower: opening of petals	present	present
<input type="checkbox"/> Flower: overlapping of petals (varieties with single and semidouble flowers only)	medium	weak to medium
<input type="checkbox"/> Flower: crest (varieties with single and semi-double flowers only)	absent	absent
<input type="checkbox"/> Flower: diameter	medium	medium
<input type="checkbox"/> Flower: eye zone	present	present
<input type="checkbox"/> Eye zone: size (extensions excluded)	very small	very small to small
<input type="checkbox"/> Eye zone: number of colours	one	one
<input type="checkbox"/> Petal: length	medium	medium
<input type="checkbox"/> Petal: width	medium to broad	medium to broad
<input type="checkbox"/> Petal: shape	type 2	type 2
<input type="checkbox"/> *Petal: number of colours (excluding eye zone)	two	two
<input type="checkbox"/> Petal: distribution of secondary colour	flushed	flushed
<input checked="" type="checkbox"/> *Petal: main colour of inner side (RHS Colour Chart)	N155	N155D
<input checked="" type="checkbox"/> *Petal: main colour of outer side (RHS Colour Chart)	56B	N155B
<input type="checkbox"/> Staminal column: main colour (varieties with single and semi-double flowers only)	red	red
<input type="checkbox"/> Stigma pad: colour	dark red	dark red
<input checked="" type="checkbox"/> Time of: beginning of flowering	early	medium to late

Characteristics Additional to the Descriptor/TG		
Organ/Plant Part: Context	'Aussie Delight'	'Aussie Pearl'
<input type="checkbox"/> Flower: fragrance	present	present
<input checked="" type="checkbox"/> Flower stalk: peduncle and pedicel or pedicel only	pedicel only	peduncle and pedicel
<input checked="" type="checkbox"/> Petal: secondary colour of outer side (RHS colour chart)	63A	N77B
<input checked="" type="checkbox"/> Flower: secondary colour	yellow-pink	white-pink
<input type="checkbox"/> Stem: degree of prickles	absent or very few	absent or very few

Statistical Table		
Organ/Plant Part: Context	'Aussie Delight'	'Aussie Pearl'
<input type="checkbox"/> Petal: length (mm)		
Mean	91.51	94.28
Std. Deviation	4.19	4.16
LSD/sig	4.21	ns

Nil Prior Applications

First sold in Australia in April 2012.

Description: **Dion Harrison**, Karana Downs, QLD.

Details of Application	
Application Number	2013/160
Variety Name	'Litmus'
Genus Species	<i>Hordeum vulgare</i>
Coon Name	Barley
Synonym	Nil
Accepted Date	21 Aug 2013
Applicant	InterGrain Pty Ltd, Bibra Lake, WA
Agent	N/A
Qualified Person	David Collins
Details of Comparative Trial	
Location	Wongan Hills Research Station WA.
Descriptor	Barley <i>Hordeum vulgare</i> (TG/19/10)
Period	May to Dec 2014.
Conditions	Trial site duplex light grey sand (pH 4.5 in CaCl ₂)/yellow mottled clay. Site sprayed Sprayseed at 2 l/ha and Boxer Gold at 2.5 l/ha on 19 May 14. Trial sown on 19 May 14 with Macro Pro Plus at 90 kg/ha and TD with 50 kg/ha urea at tillering. Trial sprayed with Jaguar on the 13 Jun 14.
Trial Design	Randomised block design with 2 replicates. Plots 1.42 m wide and 20m long (7 rows x 220 spacing).
Measurements	Measurements taken from 10 specimens per plot, selected at random. One measurement per plant.
RHS Chart - edition	N/A
Origin and Breeding	
<p>Controlled pollination: The acid tolerant parents 'WB229' was backcrossed twice to 'Baudin', and then a single plant heterozygous for the Alt allele from 'WB229' was selected using the marker Bmac310 as the female parent. Controlled pollination of the female parent occurred using pollen from the breeding line 'WABAR2238'. Those F1 plants generated from the final cross that were heterozygous for the Alt allele were selected using the marker Bmac310. Anthers taken from single plant selection "9" were cultured to develop a doubled haploid population. Initial propagation of the doubled haploid plants occurred in a field, birdcage protected, area at Shenton Park, Perth. Seed harvested from doubled haploid plants was multiplied, and those individuals identified by the marker Bmac310 as being homozygous for the 'WB229' derived Alt allele were progressed to field evaluation on acidic soils (pH < 4.5) at Wongan Hills and Merredin in 2006. Further yield and quality selection occurred at multiple field sites across southern Australia, including a high percentage of field sites with acidic soils. Quality selection was initially based on physical grain characteristics and NIR predicted malt quality parameters; subsequent selection was based on wet chemistry analyses of micro-malted samples for key malting parameters. In latter stages of assessment, selected lines were included in multiple disease nurseries. Litmus was initially evaluated with the breeding code 03S624D-9-78 and subsequently as 'WABAR2625' when the line was selected for entry into national Stage 3 yield trials in 2009. Breeder: Dr. Cheng-dao Li and David Moody, InterGrain Pty Ltd, Bibra Lake, WA.</p>	

Choice of Comparators Characteristics used for grouping varieties to identify the most similar Variety of Coon Knowledge		
Organ/Plant Part	Context	State of Expression in Group of Varieties
Ear	presence of awns	present
Ear	number of grain rows	two
Grain	husk	present
Most Similar Varieties of Coon Knowledge identified (VCK)		
Name	Comments	
'Baudin'	two grain rows, awned ear.	
'Mundah'	two grain rows, awned ear.	

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	'Litmus'	'Baudin'	'Mundah'
<input checked="" type="checkbox"/> *Plant: growth habit	erect	semi-prostrate to 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	very weak	strong	very weak
<input type="checkbox"/> Plant: frequency of plants with recurved flag leaves	low	low to medium	low to medium
<input type="checkbox"/> Flag leaf: glaucosity of sheath	medium	weak to medium	weak to medium
<input checked="" type="checkbox"/> *Time of: ear emergence	early	medium	early to medium
<input checked="" type="checkbox"/> *Awns: anthocyanin colouration of tips	absent	present	absent
<input type="checkbox"/> *Ear: glaucosity	weak to medium	weak to medium	weak to medium
<input type="checkbox"/> Ear: attitude	semi-recurved to recurved	semi-recurved to recurved	semi-recurved to recurved
<input checked="" type="checkbox"/> *Plant: length	medium	short	medium to long
<input type="checkbox"/> *Ear: number of rows	two	two	two
<input checked="" type="checkbox"/> Ear: shape	tapering	parallel	parallel
<input checked="" type="checkbox"/> *Ear: density	medium to dense	medium	lax to medium
<input checked="" type="checkbox"/> Ear: length	short to medium	medium	medium to long
<input type="checkbox"/> *Awn: length	medium to long	short to medium	medium
<input type="checkbox"/> *Sterile spikelet: attitude	divergent	divergent	parallel to weakly divergent

<input type="checkbox"/> Median spikelet: length of glume and its awn relative to grain	equal	shorter	equal
<input type="checkbox"/> *Grain: rachilla hair type	long	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 type="checkbox"/> Grain: spiculation of inner lateral nerves of dorsal side of lemma	medium	medium	strong
<input type="checkbox"/> *Grain: hairiness of ventral furrow	absent	absent	absent
<input type="checkbox"/> *Season: type	spring type	spring type	spring type

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	‘Litmus’	‘Baudin’	‘Mundah’
<input checked="" type="checkbox"/> Time of: maturity	early	medium	early to medium
<input type="checkbox"/> Ear: rachilla length	short to medium	short to medium	short to medium

Statistical Table

Organ/Plant Part: Context	‘Litmus’	‘Baudin’	‘Mundah’
<input type="checkbox"/> Flag leaf: length (mm)			
Mean	105.03	91.91	107.20
Std. Deviation	15.30	20.58	18.59
LSD/sig	14.71	ns	ns
<input checked="" type="checkbox"/> Flag leaf: width (mm)			
Mean	8.92	7.66	9.92
Std. Deviation	0.90	1.15	1.50
LSD/sig	0.95	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Ear: length (mm)			
Mean	53.29	64.34	85.83
Std. Deviation	7.85	9.12	9.84
LSD/sig	6.86	P≤0.01	P≤0.01
<input type="checkbox"/> Awn: length (mm)			
Mean	85.31	59.51	69.12
Std. Deviation	10.46	5.09	4.63
LSD/sig	8.34	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Plant: length (cm)			
Mean	64.86	59.51	69.12
Std. Deviation	4.79	5.09	4.63
LSD/sig	4.06	P≤0.01	P≤0.01

Prior Applications and Sales

Nil

Description: **David Collins**, Northam, WA.

Details of Application	
Application Number	2012/158
Variety Name	'Flinders'
Genus Species	<i>Hordeum vulgare</i>
Common Name	Barley
Synonym	Nil
Accepted Date	14 Mar 2013
Applicant	InterGrain Pty Ltd, Bibra Lake, WA.
Agent	N/A
Qualified Person	David Collins
Details of Comparative Trial	
Location	Research Station Wongan Hills, WA.
Descriptor	Barley <i>Hordeum vulgare</i> (TG/19/10)
Period	May to Dec 2014
Conditions	Trial site duplex light grey sand (pH 4.5 in CAC12)/yellow mottled clay. Site sprayed Sprayseed at 2.0 l/ha and Boxer Gold at 2.5 l/ha on 19 May 14. Trial sown on 19 May 14 with Macro Pro Plus at 90kg/ha and TD with 50 kg/ha urea at tillering. Trial sprayed with Jaguar on the 13 June 14.
Trial Design	Randomised complete block, two replications, plots 20m long and 1.42m wide. (7 rows x 220 spacing)
Measurements	Measurements taken from 10 specimens per plot, selected at random. One measurement per plant.
RHS Chart - edition	N/A
Origin and Breeding	
<p>Controlled pollination: seed of parent 'Baudin' x pollen parent 'Cooper'. The Department of Agriculture and Food - WA made the cross in 1999 at South Perth WA. The breeding was by the F2 progeny method with reselections made in the F5 generation. Perth. F2 derived single plant selections were made in 2000. F2 and F3 increase plots were grown in 2001 at Gairdner River, WA. Lines were selected based on agronomic performance, grain quality and NIR predicted malting quality. F2 and F4 yield trials were grown in WA, 2002 at Coomalbidgup, Kendenup and Gairdner River. Again lines were selected based on yield, agronomic performance, grain quality and NIR predicted malting quality. F2 and F5 yield trials were grown in 2003 at Coomalbidgup, Kendenup and Gairdner River. In the same year a parallel single plant re-selection trial was grown and 60 F5 lines selected from '99S507-143'. F5 and F6 reselected lines were grown at Mount Barker in 2004. Lines were selected based on agronomic performance, grain quality and predicted malting quality. F5 and F7 yield trials (stage 1) were grown at Coomalbidgup, Katanning, Mount Barker and Gairdner River in 2005. Again lines were selected for yield, agronomic performance, disease resistance, grain quality and predicted malting quality. F5 and F8 yield trials (stage 2) in 2006 were grown at Badgingarra, Coomalbidgup, Katanning, Mount Barker and Gairdner and Williams. Selected lines were promoted to stage 3 medium to late maturity trials in 2007 with 5 sites in WA and 11 sites in Vic, NSW and Tas. Stage 4 trials were grown in 2008-12 in WA (18 sites) and eastern Australia (11 sites). Breeder: Dr Reg Lance and Dr. Cheng-dao Li.</p>	

Choice of Comparators Characteristics used for grouping varieties to identify the most similar Variety of Coon Knowledge					
Organ/Plant Part	Context		State of Expression in Group of Varieties		
Ear	presence of awns		present		
Ear	number of grain rows		two		
Ear	shape		parallel		
Most Similar Varieties of Common Knowledge identified (VCK)					
Name	Comments				
'Baudin'	two grain rows, awned ear.				
'Bass'	two grain rows, awned ear				
Varieties of Coon Knowledge identified and subsequently excluded					
Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Cooper'	Plant	awn	medium	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	'Flinders'	'Bass'	'Baudin'
<input type="checkbox"/> *Plant: growth habit	semi-prostrate to prostrate	semi-prostrate to prostrate	semi-prostrate to prostrate
<input type="checkbox"/> *Lowest leaves: hairiness of leaf sheaths	absent	absent	absent
<input checked="" type="checkbox"/> *Flag leaf: anthocyanin colouration of auricles	present	absent	present
<input type="checkbox"/> *Flag leaf: intensity of anthocyanin colouration of auricles	strong	-	strong
<input type="checkbox"/> Plant: frequency of plants with recurved flag leaves	very low to low	very low to low	low to medium
<input type="checkbox"/> Flag leaf: glaucosity of sheath	medium	weak to medium	weak to medium
<input type="checkbox"/> *Time of: ear emergence	medium	medium	medium
<input checked="" type="checkbox"/> *Awns: anthocyanin colouration of tips	present	absent	present
<input type="checkbox"/> *Awns: intensity of anthocyanin colouration of tips	medium to strong	-	medium
<input checked="" type="checkbox"/> *Ear: glaucosity	very weak to weak	weak to medium	weak to medium
<input type="checkbox"/> Ear: attitude	recurved	semi-recurved to recurved	semi-recurved to recurved
<input checked="" type="checkbox"/> *Plant: length	medium	medium to long	medium
<input type="checkbox"/> *Ear: number of rows	two	two	two

<input type="checkbox"/>	Ear: shape	parallel	parallel	parallel
<input type="checkbox"/>	*Ear: density	lax to medium	lax to medium	medium
<input type="checkbox"/>	Ear: length	medium	medium to long	medium
<input checked="" type="checkbox"/>	*Awn: length	medium	long	medium to long
<input type="checkbox"/>	*Sterile spikelet: attitude	parallel to weakly divergent	divergent	divergent
<input type="checkbox"/>	Median spikelet: length of glume and its awn relative to grain	shorter	shorter	shorter
<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	very weak to weak	medium to strong	medium
<input type="checkbox"/>	*Grain: hairiness of ventral furrow	absent	absent	absent
<input type="checkbox"/>	*Season: type	spring type	spring type	spring type

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Flinders'	'Bass'	'Baudin'
<input checked="" type="checkbox"/> Ear: rachilla length	medium to long	short to medium	short to medium
<input type="checkbox"/> Time of: maturity	medium to late	medium	medium

Statistical Table

Organ/Plant Part: Context	'Flinders'	'Bass'	'Baudin'
<input checked="" type="checkbox"/> Plant: length (cm)			
Mean	60.09	71.59	59.52
Std. Deviation	4.92	3.62	5.09
LSD/sig	3.97	P≤0.01	ns
<input type="checkbox"/> Flag leaf: length (mm)			
Mean	85.43	75.33	91.91
Std. Deviation	16.79	15.06	20.59
LSD/sig	14.85	ns	ns
<input checked="" type="checkbox"/> Flag leaf: width (mm)			
Mean	8.19	7.19	7.66
Std. Deviation	1.24	0.99	1.15
LSD/sig	0.96	P≤0.01	ns
<input type="checkbox"/> Ear: length (mm)			
Mean	54.84	68.76	56.39

Std. Deviation	11.04	9.89	8.31
LSD/sig	8.47	P≤0.01	ns
<input checked="" type="checkbox"/> Awn: length (mm)			
Mean	68.46	82.19	63.34
Std. Deviation	8.39	7.77	9.12
LSD/sig	7.06	P≤0.01	ns

Prior Applications and Sales

Nil

Description: **David Collins**, Northam, WA.

Details of Application	
Application Number	2013/201
Variety Name	'Sultan-SU'
Genus Species	<i>Medicago truncatula</i>
Common Name	Barrel Medic
Synonym	n/a
Accepted Date	09 October 2013
Applicant	MINISTER FOR AGRICULTURE, FOOD AND FISHERIES acting through the South Australian Research and Development Institute, Adelaide, SA
Agent	n/a
Qualified Person	Jake Howie
Details of Comparative Trial	
Location	Waite Institute, Urrbrae, SA
Descriptor	Medic <i>Medicago</i> spp. UPOV TG/228/1(new)
Period	Winter-spring 2013
Conditions	<p>Field trial: conducted on a red-brown earth with neutral pH; pre-germinated seedlings sown into Jiffy-7[®] peat pellets on 1 July 2013, transplanted to the field on 26 July 2013 into moist soil; single spaced plants @ 30 cm spacing in rows 1.5 m apart; hand weeded and pesticide applied as required.</p> <p>Herbicide tolerance experiment: conducted under glasshouse conditions, natural lighting, 15/22°C; sown 10 September 2013 into seedling trays of coco peat and sand mix, fertilised with Osmocote[®] Exact Mini; pre-treated seven days prior with chlorsulfuron applied @ 1.5 g.a.i./ha.</p>
Trial Design	<p>Field trial: each treatment sown as 25 single spaced plants × four replicates arranged in a randomised complete block design.</p> <p>Glasshouse trial: each treatment sown as 54 seed × four replicates, consisting of a 3×2 cell seedling tray, each cell being 3.5×4×4 cm with nine seeds planted in each cell; arranged in a randomised complete block.</p>
Measurements	<p>Field trial: flowering date based on mean of observations of individual plants in each treatment, scored as flowering at first open flower (days from date of planting into jiffies). 1000 pod and seed weights: sufficient pods collected at random from each treatment replicate and machine threshed. Pod morphology: 25 pods sub-sampled from original pods selected at random from each treatment replicate; measured using digital callipers; mean data presented. Number of seeds per pod: above 25 pods picked open by hand; mean data presented.</p> <p>Glasshouse trial: herbicide tolerance based on mean of observations of individual plants in each treatment, scored at</p>

	three weeks for plant growth on a 0–5 scale (0, cotyledons only; 5, plants with two fully expanded trifoliolate leaves), treatments with mean score < 1.0 classed as `sensitive`, score > 3.5 as `tolerant` (see photo).
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Origin and Breeding

Controlled pollination: ‘Caliph’ x ‘Angel’. Sultan-SU is a homozygous sulfonylurea (SU) herbicide tolerant F₃ single plant selection from ‘Caliph’ x ‘Angel’ (an SU tolerant variety of *Medicago littoralis*), backcrossed into ‘Caliph’ four times. All crosses were carried out by hand with full emasculation to prevent selfing. The F₁ plants of each backcross were screened for SU herbicide tolerance to ensure that SU tolerance was maintained. At the F₂ and F₃ generations of backcross four, single plants were selected with selection criteria being SU tolerance, plant vigour and early flowering. F₃ selections were progeny tested to identify homozygous SU tolerant plants.

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	maturity	early

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
‘Parabinga’	
‘Caliph’	Recurrent 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
‘Cheetah’	Plant SU herbicide tolerance	tolerant	sensitive	Glasshouse trial
‘Cheetah’	Plant Pod retention	weak	strong	
‘Cyprus’	Plant SU herbicide tolerance	tolerant	sensitive	
‘Cyprus’	Plant Bluegreen aphid resistance	resistant	susceptible	
‘Angel’	leaflet Prominent blotch	absent	present	SU herbicide tolerance donor parent (<i>M. littoralis</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	‘Sultan-SU’	‘Caliph’	‘Parabinga’
<input type="checkbox"/> *Leaflet: presence of marks	present on both sides	present on both sides	present on both sides
<input checked="" type="checkbox"/> *Leaflet: type of marks on upper side	flecked	flecked	faded blotch
<input checked="" type="checkbox"/> *Leaflet: position of marks on upper side	over whole surface	over whole surface	towards apex
<input type="checkbox"/> *Time of: flowering	early	early	early
<input type="checkbox"/> *Leaflet: pubescence on upper side	present	present	present
<input type="checkbox"/> *Leaflet: pubescence on lower side	present	present	present
<input type="checkbox"/> *Pod: shape	cylindrical	cylindrical	cylindrical
<input type="checkbox"/> Pod: compactness of whorls (excluding varieties with sickle-shaped pods)	compact	compact	compact
<input type="checkbox"/> Pod: direction of whorls	clockwise	clockwise	clockwise
<input type="checkbox"/> Pod: number of whorls (excluding varieties with sickle-shaped pods)	three to five	three to five	three to five
<input type="checkbox"/> *Pod: texture of whorl edges (excluding varieties with sickle-shaped pods)	spined	spined	spined
<input type="checkbox"/> Pod: length of spines (varieties with spined texture of whorl edges only)	short to medium	short to medium	medium

Characteristics Additional to the Descriptor/TG

<input checked="" type="checkbox"/> Plant: SU herbicide tolerance	tolerant	sensitive	sensitive
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Organ/Plant Part: Context	‘Sultan-SU’	‘Caliph’	‘Parabinga’
<input checked="" type="checkbox"/> Flower: days to first flower (days)			
Mean	69.96	70.87	75.13
Std. Deviation	0.68	0.72	1.70
LSD/sig	1.27	ns	P≤0.01
<input checked="" type="checkbox"/> Pod: 1000 pod weight (g)			
Mean	103.20	119.60	151.30
Std. Deviation	4.32	6.66	14.98
LSD/sig	5.54	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Seed: 1000 seed weight (g)			
Mean	4.22	4.12	4.24
Std. Deviation	0.20	0.17	0.14
LSD/sig	0.09	P≤0.01	ns

<input checked="" type="checkbox"/> Pod: length (mm)			
Mean	9.47	9.75	10.17
Std. Deviation	0.18	0.23	0.23
LSD/sig	0.31	ns	P≤0.01
<input checked="" type="checkbox"/> Pod: width (mm)			
Mean	7.72	7.32	9.33
Std. Deviation	0.20	0.07	0.26
LSD/sig	0.26	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Seed: number per pod			
Mean	6.52	6.92	7.84
Std. Deviation	0.17	0.16	0.59
LSD/sig	0.31	P≤0.01	P≤0.01

Prior Applications and Sales

Nil.

Description: **Jake Howie**, SARDI, Urrbrae, SA.

Details of Application		
Application Number	2014/085	
Variety Name	'Yetna'	
Genus Species	<i>Brassica napus</i>	
Common Name	Canola	
Synonym	BCT001	
Accepted Date	12 Jun 2014	
Applicant	Agronomy For Profit, Geraldton, WA.	
Agent	N/A	
Qualified Person	David Collins	
Details of Comparative Trial		
Location	Durawa, Geraldton WA	
Descriptor	Canola <i>Brassica napus</i> (TG/36/6 Corr.)	
Period	May to October 2014	
Conditions	Grown in open beds. Trial site is red sandy loam (pH 4.8 in CaCl ₂). Site sprayed with 10g/ha Metsulfuron on 28th June on treated strips to demonstrate Group B sensitivity to comparators. Sprayed on 8th July 14 with 2.0kg/ha of Atrazine, 500g/ha of Cletodim twice, Pre em of Roundup + Edge at 1.0l/ha.	
Trial Design	Randomised complete block, two replications, plots 12m long x 4m wide.	
Measurements	Taken from 10 plants per plot, selected at random from approximately 2000 plants. 1 measurement per plant. All measurements taken from unsprayed (Group B herbicide) plots.	
RHS Chart - edition	N/A	
Origin and Breeding		
Spontaneous mutation: first selections made in June 2009 from 'Tribune', which is a Triazene tolerant Canola after it had been sprayed with Group B herbicide. Surviving plants were selected and bulked over the next 4 seasons, after being sprayed with Group B and Triazene herbicide. Further selections were made each season to remove late maturing plants. Breeder: Peter Norris, Agronomy For Profit, Geraldton, WA.		
Choice of Comparators Characteristics used for grouping varieties to identify the most similar Variety of Coon Knowledge		
Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	time to flowering	early to medium
Leaf	lobes	present
Leaf	length	medium
Most Similar Varieties of Coon Knowledge identified (VCK)		
Name	Comments	
'Tribune'	medium maturing, medium height and triazine tolerant.	
'Cobbler'	medium maturing, medium height and triazine tolerant.	

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	‘Yetna’	‘Cobbler’	‘Tribune’
<input type="checkbox"/> *Seed: erucic acid	present	present	present
<input type="checkbox"/> Cotyledon: length	medium	medium to long	medium
<input type="checkbox"/> Cotyledon: width	medium	medium to broad	medium
<input type="checkbox"/> *Leaf: green colour	light to medium	light to medium	light to medium
<input type="checkbox"/> *Leaf: lobes	present	present	present
<input type="checkbox"/> *Leaf: number of lobes	few to medium	few to medium	few to medium
<input type="checkbox"/> *Leaf: dentation of margin	weak	weak	weak
<input type="checkbox"/> Leaf: length	medium	medium	medium
<input type="checkbox"/> Leaf: width	medium to broad	medium to broad	medium to broad
<input type="checkbox"/> Leaf: length of petiole (varieties with lobed leaves only)	medium to long	medium to long	medium to long
<input type="checkbox"/> *Time of: flowering	early to medium	early to medium	early to medium
<input type="checkbox"/> *Flower: colour of petals	yellow	yellow	yellow
<input type="checkbox"/> Production of: pollen	present	present	present
<input type="checkbox"/> Plant: height at full flowering	medium	medium	low to medium
<input type="checkbox"/> *Plant: total length including side branches	medium	medium to long	medium
<input checked="" type="checkbox"/> Siliqua: length	medium	long	medium
<input checked="" type="checkbox"/> Siliqua: length of beak	medium	short to medium	medium
<input checked="" type="checkbox"/> Siliqua: length of peduncle	medium	long	medium

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	‘Yetna’	‘Cobbler’	‘Tribune’
<input checked="" type="checkbox"/> Plant: Reaction to group B herbicide	tolerant	susceptible	susceptible
<input type="checkbox"/> Plant: Reaction to triazine herbicide	tolerant	tolerant	tolerant

Statistical Table

Organ/Plant Part: Context	‘Yetna’	‘Cobbler’	‘Tribune’
<input type="checkbox"/> Plant: mature height (cm)			
Mean	99.79	102.99	96.42
Std. Deviation	6.61	14.11	11.53
LSD/sig	11.49	ns	ns
<input type="checkbox"/> Plant: height at first flower (cm)			
Mean	72.73	72.15	70.53
Std. Deviation	7.26	9.14	8.81

LSD/sig	6.88	ns	ns	
<input type="checkbox"/> Leaf: length at rosette stage (mm)				
Mean	20.05	18.77	21.43	
Std. Deviation	3.03	3.14	3.23	
LSD/sig	2.60	ns	ns	
<input type="checkbox"/> Leaf: width at rosette stage (mm)				
Mean	73.97	74.11	76.76	
Std. Deviation	12.97	14.82	14.22	
LSD/sig	11.51	ns	ns	
<input type="checkbox"/> Primary inflorescence: length at full flower (mm)				
Mean	33.73	32.18	28.62	
Std. Deviation	6.71	6.72	5.24	
LSD/sig	5.32	ns	ns	
<input checked="" type="checkbox"/> Cotyledon: length (mm)				
Mean	7.79	8.68	7.65	
Std. Deviation	0.60	0.69	0.49	
LSD/sig	0.50	P≤0.01	ns	
<input checked="" type="checkbox"/> Cotyledon: width (mm)				
Mean	15.57	17.62	14.80	
Std. Deviation	1.41	1.97	1.58	
LSD/sig	1.35	P≤0.01	ns	
<input type="checkbox"/> Petiole: length at rosette stage (mm)				
Mean	91.99	86.20	97.33	
Std. Deviation	15.98	12.12	12.18	
LSD/sig	12.30	ns	ns	
<input checked="" type="checkbox"/> Siliqua: length (mm)				
Mean	52.01	59.75	52.00	
Std. Deviation	3.72	3.91	2.73	
LSD/sig	2.96	P≤0.01	ns	
<input checked="" type="checkbox"/> Siliqua: length of beak (mm)				
Mean	11.17	8.73	11.83	
Std. Deviation	1.56	1.88	2.02	
LSD/sig	1.48	P≤0.01	ns	
<input checked="" type="checkbox"/> Siliqua: length of peduncle (mm)				
Mean	16.65	21.05	17.45	
Std. Deviation	2.07	1.78	3.73	
LSD/sig	2.12	P≤0.01	ns	

Prior Applications and Sales

Nil

Description: **David Collins**, Northam, WA.

Details of Application	
Application Number	2014/312
Variety Name	'PURPLESNAX'
Genus Species	<i>Daucus carota</i>
Common Name	Carrot
Synonym	Nil
Accepted Date	23 February 2015
Applicant	Nunhems B.V., Haelen, The Netherlands
Agent	Shelston IP, Sydney, NSW
Qualified Person	John Oates

Details of Comparative Trial

Location	Clyde, Victoria
Descriptor	UPOV <i>Daucus carota</i> TG/49/7
Period	19 Sept 2014 - 22 Dec 2014
Conditions	6 row Raised beds, sand, Overhead irrigation as required
Trial Design	6 row beds direct sown, 2000 plants per variety
Measurements	As per UPOV requirements
RHS Chart - edition	2001

Origin and Breeding

Controlled pollination: Three-way hybrids cross. Elite patent line maintenance by controlled mass pollination using flies/bees. Selection criteria: root, cortex colour; plant, normal agronomic traits. Breeder: Nunhems B.V., The Netherlands.

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
Root	length	long
Root	width	medium
Root	shape in longitudinal section	narrow obtriangular
Root	tip	strongly pointed
Root	external colour	purple

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Purple haze'	
'Deep Purple'	
'Purple Elite'	
'Purple Sun'	

Varieties of Common Knowledge identified and subsequently excluded					
Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Purple Haze'	root	length	Medium to long	long	
'Purple Haze'	leaf	Anthocyanin in colouration	absent	present	
'Purple Haze'	root	Shape in longitudinal section	narrow obtriangular	Narrowly oblong	
'Purple Haze'	Ratio	Width/length	large	small	
'Purple Sun'	root	length	short	long	
'Purple Sun'	root	colour of core	purple	yellow or orange	
'Purple Sun'	leaf	Intensity of green colour	Light to medium	Medium to dark	

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	'PURPLESNAX'	'Deep Purple'	'Purple Elite'
<input type="checkbox"/> Foliage: width of crown	narrow to medium	narrow to medium	narrow to medium
<input type="checkbox"/> Leaf: attitude	erect	erect	erect
<input checked="" type="checkbox"/> *Leaf: length	medium to long	medium to long	very long
<input type="checkbox"/> *Leaf: division	medium	medium	medium
<input checked="" type="checkbox"/> *Leaf: intensity of green colour	light to medium	medium to dark	medium
<input checked="" type="checkbox"/> *Leaf: anthocyanin colouration of petiole	absent	present	absent
<input type="checkbox"/> *Root: length	medium to long	medium to long	long
<input type="checkbox"/> *Root: width	medium	medium to broad	broad
<input type="checkbox"/> *Root: ratio width/length	large	medium	medium
<input type="checkbox"/> *Root: shape in longitudinal section	narrow obtriangular	narrow obtriangular	narrow obtriangular
<input checked="" type="checkbox"/> *Root: shape of shoulder	rounded	flat	flat to rounded
<input type="checkbox"/> *Root: tip	strongly pointed	strongly pointed	strongly pointed
<input type="checkbox"/> *Root: external colour	purple	purple	purple
<input type="checkbox"/> Root: intensity of external colour	dark	very dark	medium
<input type="checkbox"/> Root: anthocyanin colouration of skin of	present	present	present

shoulder			
<input type="checkbox"/> *Root: extent of green colour of skin of shoulder	absent or very small	absent or very small	absent or very small
<input type="checkbox"/> Root: ridging of surface	weak	weak	weak to medium
<input type="checkbox"/> *Root: diameter of core relative to total diameter	medium	-	medium
<input checked="" type="checkbox"/> *Root: colour of core	yellow	red	yellow
<input checked="" type="checkbox"/> Root: intensity of colour of core	medium	medium	light
<input type="checkbox"/> *Root: colour of cortex	red	red	red
<input type="checkbox"/> Root: intensity of colour of cortex	dark	very dark	dark
<input type="checkbox"/> Root: colour of core compared to colour of cortex	lighter	lighter	lighter
<input type="checkbox"/> *Root: extent of green colouration of interior	absent or very small	absent or very small	absent or very small
<input type="checkbox"/> Root: protrusion above soil	absent or very slight	absent or very slight	absent or very slight
<input type="checkbox"/> Root: weight	medium	medium	medium
<input type="checkbox"/> Plant: tendency to bolting	weak to medium	very weak to weak	weak

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'PURPLESNAX'	'Deep Purple'	'Purple Elite'
<input checked="" type="checkbox"/> Root: core colour	163B	N79B	160A
<input checked="" type="checkbox"/> Root: cortex colour	187A	N186B	187A
<input checked="" type="checkbox"/> Leaf: colour upper surface	139B	N138B	139B

Statistical Table

Organ/Plant Part: Context	'PURPLESNAX'	'Deep Purple'	'Purple Elite'
<input checked="" type="checkbox"/> Leaf: length (mm)			
Mean	510.30	469.40	591.25
Std. Deviation	71.46	46.54	81.31
LSD/sig	51.53	ns	P≤0.01
<input type="checkbox"/> Root: length (mm)			
Mean	213.80	217.90	211.13
Std. Deviation	23.04	25.59	28.46
LSD/sig	23.86	ns	ns
<input checked="" type="checkbox"/> Root: width (mm)			
Mean	23.57	25.00	27.08
Std. Deviation	3.29	2.92	2.57
LSD/sig	2.48	P≤0.01	P≤0.01

<input checked="" type="checkbox"/> Root: length/width ratio			
Mean	9.14	8.78	7.83
Std. Deviation	0.95	1.15	1.07
LSD/sig	0.89	ns	$P \leq 0.01$

Nil Prior Applications

First sold in the USA in August 2012 and in Australia in June 2014

Description: **John Oates**, Merimbula, NSW.

Details of Application		
Application Number	2014/034	
Variety Name	'Orange Braid'	
Genus Species	<i>Russelia equisetiformis</i>	
Common Name	Coral Plant	
Synonym	Nil	
Accepted Date	11 Mar 2014	
Applicant	Floreta Intellectual Property Pty Ltd, Capalaba, QLD	
Agent	Kerry Bunker, Capalaba, QLD	
Qualified Person	Kerry Bunker	
Details of Comparative Trial		
Location	Redland Bay, Queensland, Australia	
Descriptor	General Descriptor (For varieties where there is no specific descriptor available)	
Period	August 2014 to March 2015	
Conditions	Full sun with overhead automatic irrigation. Plants were potted into 140mm containers using soilless media and 6 month slow release fertiliser at the recommended rate.	
Trial Design	Single randomised block containing 15 plants of each of the candidate variety and the nearest variety of common knowledge (VCK)	
Measurements	The data taken reflects the characteristics of the candidate variety and how it differs from the most similar VCK.	
RHS Chart - edition	2001	
Origin and Breeding		
Controlled pollination: Cross pollination of commercial line 'Tangerine Falls' (female parent) and proprietary line FLORUS07-011 in November 2007. Seed collected and sown February 2008. All germinated seed was grown to maturity. The variety 'Orange Braid' (breeders code: FLORUS09-019) was selected from the seedling trial in November 2008 based on its dwarf plant habit and orange flower colour. Breeder: Dr K.V. Bunker.		
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	orange
Most Similar Varieties of Common Knowledge identified (VCK)		
Name	Comments	
'Tangerine Falls'	orange flower colour (female 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
'Yellow Falls'	Flower	colour	orange	yellow	
'Ruby Falls'	Flower	colour	orange	red	
FLORUS07-011	Plant	height	short	tall	

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	'Orange Braid'	'Tangerine Falls'
<input checked="" type="checkbox"/> Plant: height	short	tall
<input checked="" type="checkbox"/> Plant: width	narrow	medium to broad
<input type="checkbox"/> Leaf: size	small	small
<input type="checkbox"/> Leaf: shape	obovate	obovate
<input type="checkbox"/> Leaf: incision of margin	present	present
<input type="checkbox"/> Bract: shape	filiform	filiform
<input type="checkbox"/> Bract: degree of reflex	straight	straight
<input type="checkbox"/> Bract: width	very narrow	very narrow
<input type="checkbox"/> Flower: type	single	single

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Orange Braid'	'Tangerine Falls'
<input type="checkbox"/> Plant: habit	drooping	drooping
<input type="checkbox"/> Flower: attitude	drooping	drooping
<input checked="" type="checkbox"/> Flower: colour (RHS colour chart)	30B to 30C	31C

Statistical Table

Organ/Plant Part: Context	'Orange Braid'	'Tangerine Falls'
<input type="checkbox"/> Flower diameter (mm)		
Mean	10.14	10.11
Std. Deviation	0.66	1.48
LSD/sig	1.48	ns
<input checked="" type="checkbox"/> Stem : length of 5th internode from shoot base (mm)		
Mean	28.29	46.31
Std. Deviation	3.74	8.50
LSD/sig	8.45	P≤0.01
<input type="checkbox"/> Bract: length of 2nd bract from base of shoot (mm)		

Mean	14.62	18.34
Std. Deviation	3.81	4.04
LSD/sig	5.06	ns
<input type="checkbox"/> Flower: pedicel length (mm)		
Mean	8.30	6.41
Std. Deviation	1.84	1.37
LSD/sig	2.09	ns
<input type="checkbox"/> Flower: corolla tube length (mm)		
Mean	19.84	21.28
Std. Deviation	1.75	1.41
LSD/sig	2.05	ns

Prior Applications and Sales

Nil.

Description: **Kerry Bunker**, Floreta Intellectual Property Pty Ltd, Capalaba, QLD.

Details of Application		
Application Number	2014/033	
Variety Name	'Red Braid'	
Genus Species	<i>Russelia equisetiformis</i>	
Common Name	Coral Plant	
Synonym	Nil	
Accepted Date	11 Mar 2014	
Applicant	Floreta Intellectual Property Pty Ltd, Capalaba, QLD	
Agent	Kerry Bunker	
Qualified Person	Kerry Bunker	
Details of Comparative Trial		
Location	Redland Bay, Queensland, Australia	
Descriptor	General Descriptor (For varieties where there is no specific descriptor available)	
Period	August 2014 to March 2015	
Conditions	Full sun with overhead automatic irrigation. Plants were potted into 140mm containers using soilless media and 6 month slow release fertiliser at the recommended rate.	
Trial Design	Single randomised block containing 15 plants of each of the candidate variety and the nearest variety of common knowledge (VCK)	
Measurements	The data taken reflects the characteristics of the candidate variety and how it differs from the most similar VCK.	
RHS Chart - edition	2001	
Origin and Breeding		
Controlled pollination: cross pollination of commercial line 'Lemon Falls' (female parent) with proprietary line FLORUS 07-011 (male parent) in November 2007. Seed collected and sown February 2008. All germinated seed was grown to maturity. The variety 'Red Braid' (breeders code: FLORUS09-006) was selected from the seedling trial in November 2008 based on its dwarf plant habit and red flower colour. Breeder: Dr K.V. Bunker.		
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	red
Most Similar Varieties of Common Knowledge identified (VCK)		
Name	Comments	
'Ruby Falls'	red 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
'Yellow Falls'	Flower	colour	red	yellow	
'Lemon Falls'	Flower	colour	red	yellow	female parent
'Tangerine Falls'	Flower	colour	red	orange	
FLORUS 07-011	Flower	colour	red	orange	male 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	'Red Braid'	'Ruby Falls'
<input checked="" type="checkbox"/> Plant: height	short	tall
<input checked="" type="checkbox"/> Plant: width	narrow	medium to broad
<input type="checkbox"/> Leaf: size	small	small
<input type="checkbox"/> Leaf: shape	obovate	obovate
<input type="checkbox"/> Leaf: incision of margin	present	present
<input type="checkbox"/> Bract: shape	filiform	filiform
<input type="checkbox"/> Bract: degree of reflex	straight	straight
<input type="checkbox"/> Bract: width	very narrow	very narrow
<input type="checkbox"/> Flower: type	single	single

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Red Braid'	'Ruby Falls'
<input type="checkbox"/> Plant: habit	drooping	drooping
<input type="checkbox"/> Flower: attitude	drooping	drooping
<input checked="" type="checkbox"/> Flower: colour (RHS colour chart)	50B	52A

Statistical Table

Organ/Plant Part: Context	'Red Braid'	'Ruby Falls'
<input type="checkbox"/> Flower diameter (mm)		
Mean	10.32	10.31
Std. Deviation	1.33	0.79
LSD/sig	1.41	ns
<input checked="" type="checkbox"/> Stem : length of 5th internode from shoot base (mm)		
Mean	16.89	38.46
Std. Deviation	3.66	6.89
LSD/sig	7.10	P≤0.01

<input checked="" type="checkbox"/> Bract: length of 2nd bract from base of shoot (mm)		
Mean	11.44	18.30
Std. Deviation	1.72	4.02
LSD/sig	3.98	P≤0.01
<input type="checkbox"/> Flower: pedicel length (mm)		
Mean	8.38	7.46
Std. Deviation	2.26	1.40
LSD/sig	2.42	ns
<input type="checkbox"/> Flower: corolla tube length (mm)		
Mean	20.67	20.98
Std. Deviation	0.81	0.60
LSD/sig	0.92	ns

Prior Applications and Sales

Nil.

Description: **Kerry Bunker**, Floreta Intellectual Property Pty Ltd, Capalaba, QLD.

Details of Application		
Application Number	2014/035	
Variety Name	'Yellow Braid'	
Genus Species	<i>Russelia equisetiformis</i>	
Common Name	Coral Plant	
Synonym	Nil	
Accepted Date	11 Mar 2014	
Applicant	Floreta Intellectual Property Pty Ltd, Capalaba, QLD	
Agent	Kerry Bunker	
Qualified Person	Kerry Bunker	
Details of Comparative Trial		
Location	Redland Bay, Queensland, Australia	
Descriptor	General Descriptor (For varieties where there is no specific descriptor available)	
Period	August 2014 to March 2015	
Conditions	Full sun with overhead automatic irrigation. Plants were potted into 140mm containers using soilless media and 6 month slow release fertiliser at the recommended rate.	
Trial Design	Single randomised block containing 15 plants of each of the candidate variety and the nearest variety of common knowledge (VCK)	
Measurements	The data taken reflects the characteristics of the candidate variety and how it differs from the most similar VCK.	
RHS Chart - edition	2001	
Origin and Breeding		
Controlled pollination: In November 2008, plants of proprietary line FLORUS09-005 were placed in isolation with proprietary lines FLORUS09-009 and FLORUS09-044. Open pollinated seed was collected from FLORUS09-005 in December 2008. Seed was sown in June 2009 and all germinated seed grown to maturity. The variety 'Yellow Braid' (Breeder's Code FLORUS10-023) was selected from the seedling trial in January 2010 based on its dwarf plant habit and yellow flower colour. Breeder: Dr K.V. Bunker.		
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	yellow
Most Similar Varieties of Common Knowledge identified (VCK)		
Name	Comments	
'Lemon Falls'	yellow 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
FLORUS09-005	Flower	colour	yellow	red	parental line
FLORUS09-009	Flower	colour	yellow	red	parental line
FLORUS09-044	Flower	colour	yellow	red	parental line

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	'Yellow Braid'	'Lemon Falls'
<input checked="" type="checkbox"/> Plant: height	short	tall
<input checked="" type="checkbox"/> Plant: width	narrow	medium to broad
<input type="checkbox"/> Leaf: size	small	small
<input type="checkbox"/> Leaf: shape	obovate	obovate
<input type="checkbox"/> Leaf: incision of margin	present	present
<input type="checkbox"/> Bract: shape	filiform	filiform
<input type="checkbox"/> Bract: degree of reflex	straight	straight
<input type="checkbox"/> Bract: width	very narrow	very narrow
<input type="checkbox"/> Flower: type	single	single

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Yellow Braid'	'Lemon Falls'
<input type="checkbox"/> Plant: habit	drooping	drooping
<input type="checkbox"/> Flower: attitude	drooping	drooping
<input checked="" type="checkbox"/> Flower: colour (RHS colour chart)	5C	1B

Statistical Table

Organ/Plant Part: Context	'Yellow Braid'	'Lemon Falls'
<input checked="" type="checkbox"/> Flower diameter (mm)		
Mean	9.23	10.72
Std. Deviation	0.60	0.53
LSD/sig	0.73	P≤0.01
<input checked="" type="checkbox"/> Stem : length of 5th internode from shoot base (mm)		
Mean	19.70	38.82
Std. Deviation	4.30	3.10
LSD/sig	4.83	P≤0.01

<input checked="" type="checkbox"/> Bract: length of 2nd bract from base of shoot (mm)		
Mean	10.31	15.91
Std. Deviation	2.37	4.43
LSD/sig	4.57	P≤0.01
<input checked="" type="checkbox"/> Flower: pedicel length (mm)		
Mean	4.81	7.68
Std. Deviation	0.59	1.02
LSD/sig	1.07	P≤0.01
<input checked="" type="checkbox"/> Flower: corolla tube length (mm)		
Mean	19.66	21.54
Std. Deviation	1.46	0.85
LSD/sig	1.54	P≤0.01

Prior Applications and Sales

Nil.

Description: **Kerry Bunker**, Floreta Intellectual Property Pty Ltd, Capalaba, QLD.

Details of Application	
Application Number	2013/213
Variety Name	'Bachata'
Genus Species	<i>Lactuca sativa</i>
Common Name	Lettuce
Synonym	Nil
Accepted Date	23 Sep 2013
Applicant	Vilmorin, La Menitre, France
Agent	Shelston IP, Sydney, NSW
Qualified Person	John Oates

Details of Comparative Trial

Overseas Testing Authority	Geves, France
Overseas Data Reference Number	4051841
Location	Brion et Cavaillon, France
Descriptor	<i>Lactuca sativa</i> UPOV TG 13/10
Period	2013

Origin and Breeding

Controlled Pollination: The maternal parent 'Romora', was crossed with the paternal parent, a Vilmorin breeding line (05/5234/03) in 2005. This cross was designated '68/12387'. F2 68/12387/01 screened in France in summer 2006 F3 06/10222/02 screened in France in summer 2007. Bremia test and Nasonovia test were done F4 07/09450/08 screened in France in summer 2008. Bremia test and Nasonovia test were done F5 08/10422/02 screened in France in summer 2009. F6 09/08224/01 screened in France in summer 2010. F7 10/7364/02 F8 10/7364/20 seed lot produced in France in 2011 and named as 'Bachata'. Characteristics for selection: Bolting tolerance: late to very late, Bremia resistance: present, Nasonovia resistance: present. Breeder: Vilmorin, Le Menitre, France.

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	type	romaine
Head	formation	closed head
Seed	colour	white
Leaf	anthocyanin	absent
Bolting	time of beginning of bolting in long days	late to very late

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Romora'	
'Odessa'	
'Cervantes'	

'Marzial'					
Varieties of Common Knowledge identified and subsequently excluded					
Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Odessa'	Plant	resistance to isolates of B1 28	present	absent	
'Odessa'	Leaf	intensity of colour of outer leaves	medium to dark	very light 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	'Bachata'	'Cervantes'	'Marzial'	'Romora'
<input type="checkbox"/> *Seed: colour	white	white	white	white
<input type="checkbox"/> *Seedling: anthocyanin colouration	absent	absent	absent	absent
<input checked="" type="checkbox"/> Seedling: size of cotyledon	small	medium	-	medium to large
<input type="checkbox"/> Seedling: shape of cotyledon	medium elliptic	broad elliptic	-	medium elliptic
<input type="checkbox"/> Leaf: attitude at 10-12 leaf stage	erect	erect	semi-erect	semi-erect
<input type="checkbox"/> Leaf blade: division	entire	entire	entire	entire
<input type="checkbox"/> *Plant: diameter	large	large	large to very large	medium
<input type="checkbox"/> *Plant: head formation	closed head	closed head	closed head	closed head
<input checked="" type="checkbox"/> Head: degree of overlapping of upper part of leaves (varieties with closed head formation only)	strong	medium	weak to medium	medium
<input type="checkbox"/> *Head: shape in longitudinal section	narrow elliptic	narrow elliptic	narrow elliptic	narrow elliptic
<input checked="" type="checkbox"/> Leaf: thickness	medium	thick	medium to thick	thick
<input type="checkbox"/> Leaf: attitude at harvest maturity	erect to semi-erect	erect	erect to semi-erect	erect to semi-erect
<input type="checkbox"/> *Leaf: shape	narrow elliptic	medium elliptic	obovate	medium elliptic
<input type="checkbox"/> Leaf: shape of tip	rounded	acute	rounded	obtuse
<input type="checkbox"/> *Leaf: hue of green colour of outer leaves	absent	absent	yellowish	absent
<input checked="" type="checkbox"/> *Leaf: intensity of colour of outer leaves	medium to dark	light to medium	medium	light
<input type="checkbox"/> *Leaf: anthocyanin colouration	absent	absent	absent	absent
<input checked="" type="checkbox"/> Leaf: glossiness of upper side	medium	medium	weak	medium

<input checked="" type="checkbox"/> *Leaf: blistering	medium	strong	medium	weak
<input checked="" type="checkbox"/> Leaf: size of blisters	small	medium to large	medium	medium
<input type="checkbox"/> *Leaf blade: degree of undulation of margin	absent or very weak	very weak to weak	absent or very weak	absent or very weak
<input checked="" type="checkbox"/> Leaf blade: incisions of margin on apical part	absent	present	absent	absent
<input type="checkbox"/> Leaf blade: venation	not flabellate	not flabellate	not flabellate	not flabellate
<input type="checkbox"/> Axillary: sprouting	medium	weak	weak to medium	absent or very weak
<input type="checkbox"/> Time of: harvest maturity	late	late to very late	late to very late	late
<input type="checkbox"/> *Time of: beginning of bolting under long day conditions	late to very late	very late	very late	-
<input type="checkbox"/> Plant: height	short	-	-	-
<input checked="" type="checkbox"/> Plant: fasciation	absent	present	present	-
<input type="checkbox"/> *Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate BI:16	present	present	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate BI:17	present	present	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate BI:18	present	present	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate BI:20	present	present	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate BI:21	present	present	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate BI:22	present	present	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate BI:23	present	present	present	present
<input checked="" type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate BI:24	present	present	present	absent
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate BI:25	present	-	present	-
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate BI: 26	present	-	present	-
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate BI:27	present	-	-	-
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate BI:28	present	present	present	-

<i>lactucae</i>) Isolate Bl:2				
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:5	present	present	present	-
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:7	present	present	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:12	present	absent	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:14	present	present	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:15	present	present	present	present
<input checked="" type="checkbox"/> Resistance to: lettuce mosaic virus (LMV) Strain Ls 1	absent	present	absent	absent
<input checked="" type="checkbox"/> Resistance to: <i>Nasonovia ribisnigri</i> biotype Nr:0	present	-	present	absent

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Bachata'	'Cervantes'	'Marzia'	'Romora'
<input type="checkbox"/> Resistance: isolate (<i>Bremia lactucae</i>) Bl 28	present	-	-	-

Prior Applications and Sales

Country	Year	Current Status	Name Applied
European Union	2012	Granted	'Bachata'

First sold in Spain December 2012 and in Australia in May 2013.

Description: **John Oates**, Merimbula, NSW.

Details of Application		
Application Number	2014/240	
Variety Name	'Empire Rose'	
Genus Species	<i>Lactuca sativa</i>	
Common Name	Lettuce	
Synonym	Nil	
Accepted Date	11 Nov 2014	
Applicant	Vilmorin, La Menitre, France	
Agent	Shelston IP	
Qualified Person	John Oates	
Details of Comparative Trial		
Location	Diggers Road, Werribee South, VIC	
Descriptor	<i>Lactuca sativa</i> UPOV TG/13/10	
Period	29 August - 9 November 2014 weeks 35 - 46	
Conditions	Transplanted into 3 row raised beds in week 35. Overhead irrigation as required. Soil: red brown silt loam.	
Trial Design	Commercial type plots.	
Measurements	Selected at random amongst 300 plants.	
RHS Chart - edition	2001	
Origin and Breeding		
Controlled pollination: Cross made in summer 2010 between the 2 non-commercial breeding lines parents 24/187 (female) and 8/20995 (male). Screening for disease resistance in F2 (2011 in Netherlands), F3 and F4 generation (conducted in France) Line 16130 selected from F3 generation Final selection of 16130/30 at F5 in France 2013. Breeder: Vilmorin, Le Menitre, France.		
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	type	crisp
Seed	colour	black
Leaf	anthocyanin colouration	absent
Plant	Resistance to downy mildew (<i>Beremia lactucae</i>) BI:16	present
Bolting	time of beginning, under long day conditions	very late
Most Similar Varieties of Common Knowledge identified (VCK)		
Name	Comments	
'Bernadinas'		
'Patagonia'		

Varieties of Common Knowledge identified and subsequently excluded					
Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Patagonia'	Plant	Resistance to isolates Bl:24-31	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	'Empire Rose'	'Bernadinas'
<input type="checkbox"/> *Seed: colour	black	black
<input type="checkbox"/> *Seedling: anthocyanin colouration	absent	absent
<input type="checkbox"/> Leaf: attitude at 10-12 leaf stage	semi-erect to prostrate	semi-erect to prostrate
<input type="checkbox"/> Leaf blade: division	entire	entire
<input checked="" type="checkbox"/> *Plant: diameter	very large	large
<input type="checkbox"/> *Plant: head formation	closed head	closed head
<input type="checkbox"/> Head: degree of overlapping of upper part of leaves (varieties with closed head formation only)	strong to very strong	strong to very strong
<input checked="" type="checkbox"/> Head: density	dense to very dense	medium to dense
<input type="checkbox"/> Head: size	medium to large	medium
<input type="checkbox"/> *Head: shape in longitudinal section	circular	circular
<input type="checkbox"/> Leaf: thickness	thick	thick
<input type="checkbox"/> Leaf: attitude at harvest maturity	semi-erect to horizontal	semi-erect
<input type="checkbox"/> *Leaf: shape	obovate	broad obtrullate
<input type="checkbox"/> Leaf: shape of tip	rounded	rounded
<input type="checkbox"/> *Leaf: hue of green colour of outer leaves	absent	absent
<input type="checkbox"/> *Leaf: intensity of colour of outer leaves	medium to dark	medium to dark
<input type="checkbox"/> *Leaf: anthocyanin colouration	absent	absent
<input type="checkbox"/> Leaf: glossiness of upper side	weak to medium	weak to medium
<input type="checkbox"/> *Leaf: blistering	weak to medium	weak to medium
<input checked="" type="checkbox"/> Leaf: size of blisters	large	medium
<input type="checkbox"/> *Leaf blade: degree of undulation of margin	strong	medium
<input type="checkbox"/> Leaf blade: incisions of margin on apical part	present	present
<input type="checkbox"/> *Leaf blade: depth of incisions on margin on apical part	shallow	shallow to medium

<input type="checkbox"/> Leaf blade: density of incisions on margin on apical part	medium	medium to dense
<input type="checkbox"/> Leaf blade: type of incisions on apical part (varieties with shallow incisions on margin on apical part only)	dentate	dentate
<input type="checkbox"/> Leaf blade: venation	flabellate	flabellate
<input type="checkbox"/> Axillary: sprouting	weak	weak
<input type="checkbox"/> Time of: harvest maturity	medium to late	late
<input type="checkbox"/> *Time of: beginning of bolting under long day conditions	very late	very late
<input type="checkbox"/> Plant: height	medium	-
<input type="checkbox"/> Plant: fasciation	absent	-
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:18	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:2	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:5	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:7	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:12	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:14	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:15	present	present
<input type="checkbox"/> *Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:16	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:17	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:20	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:21	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:22	present	present
<input checked="" type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:23	present	absent
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:24	present	present

<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate BI:25	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate BI:26	present	-
<input checked="" type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate BI:27	present	absent
<input type="checkbox"/> Resistance to: lettuce mosaic virus (LMV) Strain Ls 1	present	present
<input type="checkbox"/> Resistance to: <i>Nasonovia ribisnigri</i> biotype Nr:0	present	present

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Empire Rose'	'Bernadinas'
<input type="checkbox"/> Resistance: isolate BI 28	present	-
<input checked="" type="checkbox"/> Resistance: isolate BI 29	present	absent
<input type="checkbox"/> Resistance: isolate BI 31	present	-
<input type="checkbox"/> Resistance: isolate BI 30	present	absent

Statistical Table

Organ/Plant Part: Context	'Empire Rose'	'Bernadinas'
<input checked="" type="checkbox"/> Plant: diameter (mm)		
Mean	435.00	414.50
Std. Deviation	15.81	14.99
Lsd/sig	5.75	P≤0.01

Prior Applications and Sales: Nil

Description: **John Oates**, Merimbula, NSW.

Details of Application		
Application Number	2013/212	
Variety Name	'Pursuit'	
Genus Species	<i>Lactuca sativa</i>	
Common Name	Lettuce	
Synonym	Nil	
Accepted Date	23 Sep 2013	
Applicant	Vilmorin, La Menitre, France	
Agent	Shelston IP, Sydney, NSW	
Qualified Person	John Oates	
Details of Comparative Trial		
Overseas Testing Authority	GEVES, France	
Overseas Data Reference Number	4051826	
Location	Brion et Cavaillon, France	
Descriptor	<i>Lactuca sativa</i> UPOV TG 13/10	
Period	2013	
Measurements	In accordance with UPOV Technical Guidelines	
RHS Chart - edition	N/A	
Origin and Breeding		
Controlled pollination: The maternal parent, a Vilmorin breeding line 06/14085, was pollinated from the paternal line, a Vilmorin breeding line 06/14191 in 2006. F2 68/22754/01 screened in the Netherlands in summer 2007, F3 07/15402/07 screened in France for Bremia resistance and Nasonovia resistance in autumn 2007, F4 08/40095/01 was obtained by selfing the F3 line. F4 was screened in France for Bremia resistance and Nasonovia resistance in summer 2008. F4 was then screened in the Netherlands during summer 2009. F5 09/14664/02 was screened in the Netherlands during summer 2010 F6 10/15384/10 was screened in France for Bremia resistance and Nasonovia resistance in autumn 2010 F7 10/15384/100 was produced in France during 2011. Breeder: Vilmorin SA, La Menitre, France.		
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	colour	black
Head	formation	closed
Head	size	large
Plant	Resistance to downy mildew (<i>Beremia lactucae</i>) Bl:16	present
Most Similar Varieties of Common Knowledge identified (VCK)		
Name	Comments	
'Vintage Crop'		

Varieties of Common Knowledge identified and subsequently excluded					
Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
Patagonia (RZ)	Resistance to downy mildew (<i>Bremia lactucae</i>)	Isolate B1:16	present	absent	
Patagonia (RZ)	Resistance to downy mildew (<i>Bremia lactucae</i>)	Isolate B1:28	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	'Pursuit'	'Vintage Crop'
<input type="checkbox"/> *Seed: colour	black	black
<input type="checkbox"/> *Seedling: anthocyanin colouration	absent	absent
<input type="checkbox"/> Seedling: size of cotyledon	small to medium	-
<input type="checkbox"/> Seedling: shape of cotyledon	narrow elliptic	-
<input type="checkbox"/> *Plant: diameter	large to very large	large
<input type="checkbox"/> *Plant: head formation	closed head	closed head
<input type="checkbox"/> Head: degree of overlapping of upper part of leaves (varieties with closed head formation only)	very strong	strong
<input checked="" type="checkbox"/> Head: density	very dense	medium
<input checked="" type="checkbox"/> Head: size	large	medium
<input type="checkbox"/> *Head: shape in longitudinal section	broad elliptic	narrow elliptic
<input type="checkbox"/> Leaf: thickness	thick	medium
<input type="checkbox"/> Leaf: attitude at harvest maturity	semi-erect to horizontal	erect to semi-erect
<input type="checkbox"/> *Leaf: shape	transverse broad elliptic	obovate
<input checked="" type="checkbox"/> Leaf: shape of tip	acute	rounded
<input checked="" type="checkbox"/> *Leaf: hue of green colour of outer leaves	greyish	absent
<input type="checkbox"/> *Leaf: intensity of colour of outer leaves	medium to dark	medium to dark
<input type="checkbox"/> *Leaf: anthocyanin colouration	absent	absent
<input type="checkbox"/> Leaf: glossiness of upper side	medium	medium to strong
<input checked="" type="checkbox"/> *Leaf: blistering	absent or very weak	strong
<input type="checkbox"/> Leaf: size of blisters	small	medium
<input checked="" type="checkbox"/> *Leaf blade: degree of undulation of margin	weak	strong to very

		strong
<input type="checkbox"/> Leaf blade: incisions of margin on apical part	present	present
<input type="checkbox"/> *Leaf blade: depth of incisions on margin on apical part	shallow	shallow
<input type="checkbox"/> Leaf blade: density of incisions on margin on apical part	sparse	medium
<input type="checkbox"/> Leaf blade: type of incisions on apical part (varieties with shallow incisions on margin on apical part only)	sinuate	dentate
<input type="checkbox"/> Leaf blade: venation	flabellate	not flabellate
<input type="checkbox"/> Axillary: sprouting	weak	-
<input type="checkbox"/> Time of: harvest maturity	medium	-
<input type="checkbox"/> *Time of: beginning of bolting under long day conditions	medium to late	-
<input type="checkbox"/> Plant: height	very short	-
<input type="checkbox"/> Plant: fasciation	absent	-
<input type="checkbox"/> *Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate BI:16	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate BI:17	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate BI:18	present	present
<input checked="" type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate BI:20	present	absent
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate BI:21	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate BI:22	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate BI:23	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate BI:24	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate BI:25	present	present
<input checked="" type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate BI: 26	present	absent
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate BI:27	present	present
<input type="checkbox"/> Resistance to: lettuce mosaic virus (LMV) Strain Ls 1	absent	absent

<input checked="" type="checkbox"/> Resistance to: <i>Nasonovia ribisnigri</i> biotype Nr:0	present	absent
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Prior Applications and Sales

Country	Year	Current Status	Name Applied
EU	2012	Granted	'Pursuit'

First sold in February 2013 in The Netherlands and in Australia June 2013

Description: **John Oates**, Merimbula, NSW.

Details of Application	
Application Number	2013/293
Variety Name	'MULTIGREEN 57'
Genus Species	<i>Lactuca sativa</i>
Common Name	Lettuce
Synonym	Nil
Accepted Date	22 Nov 2013
Applicant	Nunhems B.V., Haelen, The Netherlands
Agent	Shelston IP, Sydney, NSW
Qualified Person	John Oates

Details of Comparative Trial

Overseas Testing Authority	Naktuinbouw, The Netherlands
Overseas Data Reference Number	SLA3220
Location	Roelofarendsveen, The Netherlands
Descriptor	<i>Lactuca sativa</i> UPOV TG/13/10
Period	2013
Measurements	As per UPOV Guidelines
RHS Chart - edition	n/a

Origin and Breeding

Controlled pollination: The maternal parent was crossed with the paternal parent, a Nunhems breeding line. F1 plants were self-pollinated and pedigree selection was performed from the second until the fifth generation. Line selection was performed from the sixth to the eighth generation. Selection criteria: plant shape; leaf, shape and colour of outer leaves; resistance to Bl: 1-23, 25-28. Breeder: Nunhems B.V., Haelen, The Netherlands.

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	type	cutting or gathering lettuce
Seed	colour	black
Leaf	anthocyanin colour	absent
Bolting	time of beginning under long day conditions	late to very late
Plant	resistance to downy mildew <i>Bremia lactucae</i> Isolate Bl:16	present

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Multy'	
'Multigreen 60'	

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	'MULTIGREEN 57'	'Multigreen 60'	'Multy'
<input type="checkbox"/> *Seed: colour	black	black	black
<input type="checkbox"/> *Seedling: anthocyanin colouration	absent	absent	absent
<input type="checkbox"/> Leaf: attitude at 10-12 leaf stage	semi-erect	semi-erect	semi-erect
<input type="checkbox"/> Leaf blade: division	divided	divided	divided
<input type="checkbox"/> *Plant: diameter	small	small	small
<input type="checkbox"/> *Plant: head formation	no head	no head	no head
<input checked="" type="checkbox"/> Leaf: thickness	medium	thin	medium to thick
<input type="checkbox"/> Leaf: attitude at harvest maturity	semi-erect	semi-erect	semi-erect to horizontal
<input type="checkbox"/> *Leaf: shape	transverse narrow elliptic	transverse broad elliptic	transverse broad elliptic
<input type="checkbox"/> Leaf: shape of tip	rounded	rounded	obtuse
<input type="checkbox"/> *Leaf: hue of green colour of outer leaves	absent	absent	absent
<input checked="" type="checkbox"/> *Leaf: intensity of colour of outer leaves	dark to very dark	medium to dark	dark
<input type="checkbox"/> *Leaf: anthocyanin colouration	absent	absent	absent
<input checked="" type="checkbox"/> Leaf: glossiness of upper side	strong	very weak to weak	medium
<input type="checkbox"/> *Leaf: blistering	absent or very weak	absent or very weak	weak
<input type="checkbox"/> *Leaf blade: degree of undulation of margin	weak to medium	medium to strong	medium
<input type="checkbox"/> Leaf blade: incisions of margin on apical part	present	present	present
<input checked="" type="checkbox"/> *Leaf blade: depth of incisions on margin on apical part	shallow	medium to deep	medium to deep
<input type="checkbox"/> Leaf blade: density of incisions on margin on apical part	medium	medium to dense	medium
<input type="checkbox"/> Leaf blade: type of incisions on apical part (varieties with shallow incisions on margin on apical part only)	dentate	dentate	dentate
<input type="checkbox"/> Leaf blade: venation	flabellate	flabellate	flabellate
<input type="checkbox"/> Axillary: sprouting	very weak to weak	absent or very weak	weak
<input type="checkbox"/> Time of: harvest maturity	medium	medium	early to medium
<input type="checkbox"/> *Time of: beginning of bolting under long	late	very late	late to very late

day conditions			
<input checked="" type="checkbox"/> Plant: fasciation	absent	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:2	present	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:5	present	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:7	present	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:12	present	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:14	present	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:15	present	present	present
<input type="checkbox"/> *Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:16	present	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:17	present	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:18	present	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:20	present	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:21	present	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:22	present	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:23	present	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:24	absent	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:25	present	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate BI: 26	present	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate BI:27	present	present	present
<input checked="" type="checkbox"/> Resistance to: lettuce mosaic virus (LMV) Strain Ls 1	present	present	absent
<input checked="" type="checkbox"/> Resistance to: <i>Nasonovia ribisnigri</i> biotype	absent	present	

Nr:0			
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Characteristics Additional to the Descriptor/TG			
Organ/Plant Part: Context	'MULTIGREEN 57'	'Multigreen 60'	'Multy'
<input type="checkbox"/> Resistance to: (<i>Bremia lactucae</i>) isolate Bl 28	present	-	-

Prior Applications and Sales

Country	Year	Current Status	Name Applied
The Netherlands	2012	Granted	'Multigreen 57'
European Union	2013	Granted	'Multigreen 57'
New Zealand	2014	Applied	'Multigreen 57'

First sold in the USA in August 2012.

Description: **John Oates**, Merimbula, NSW.

Details of Application	
Application Number	2011/180
Variety Name	'SARDI-Grazer'
Genus Species	<i>Medicago sativa</i>
Common Name	Lucerne
Synonym	SARDI-Grazier
Accepted Date	27 October 2011
Applicant	MINISTER FOR AGRICULTURE, FOOD AND FISHERIES acting through the South Australian Research and Development Institute, Adelaide, SA
Agent	n/a
Qualified Person	Alan Humphries

Details of Comparative Trial

Location	Waite Institute, Urrbrae, SA, Turretfield Research Station, SA
Descriptor	Lucerne <i>Medicago sativa</i> UPOV TG/6/5
Period	2011-2014
Conditions	<p><i>Grazing tolerance trial</i></p> <p>The trial was designed in accordance with NAAIC recommendations (Bouton and Smith 1996), with the exception that it was split into 2 sections so that a rotationally grazed trial could be assessed next to the trial under continuous grazing. The ratio of persistence under continuous to rotational grazing/cutting was used to calculate a grazing tolerance index, and therefore eliminate problems associated with each entry for establishment or adaptation to the site.</p> <p><i>Row trial to measure standard UPOV descriptors</i></p> <p>A row trial was sown in 2013 in the field with 70 seeds spaced approximately 2-3 cm apart along a 2 m row. The distance between rows was 50 cm. The number of plants per row was thinned at seedling stage to 30 plants per row. Maintenance was carried out as required to ensure weed free and pest and disease free status. Irrigation was conducted as required.</p> <p><i>Greenhouse measurements of pest and disease resistance</i></p> <p>For pest and disease assessments plants were maintained under Greenhouse conditions as per NAAIC protocols with modifications for bluegreen aphid protocol. For bluegreen aphid, plants were grown on benches in an insectproof greenhouse by sowing 50 scarified seeds for each entry into 100-mm² MK12 punnet pots filled with sterilised coco peat potting mix. Cultivar treatments were replicated 4 times. Plants for all experiments were grown in an aphid-free greenhouse and then transferred to an aphid house for inoculation with aphids 10-14 days after planting, when cotyledons had fully emerged. Each cultivar was infested with a mixed population of two nymphs or apterous adult aphids</p>

	per plant by sprinkling aphids onto seedlings and assessed for damage 27 days after inoculation.
Trial Design	<p><i>Grazing tolerance trial</i> The experimental design for the continuous grazing trial was a randomised complete block with 4 replicates. Each plot was 1 m in width (5 rows) and 5 m in length. A second trial with a similar design was sown adjacent to this area and managed under rotational grazing and cutting for the purpose of calculating the grazing-tolerant index.</p> <p><i>Row trial to measure standard UPOV descriptors</i> For the row trial, a randomised complete block design was used with 4 replications.</p> <p><i>Greenhouse measurements of pest and disease resistance</i> For pest and disease assessments randomized block designs with 4 replications (a total of 200 seedlings per line) per test cultivar were used, with a repeated check susceptible variety every 1 in 12 entries.</p>
Measurements	<p><i>Grazing tolerance trial</i> A repeated measurement of plant density was used to determine persistence under grazing/cutting. Plant density was measured by counting the number of live crowns in a 1m² fixed quadrat. The full protocol for grazing tolerance evaluation is described in ‘Tolerance of Australian lucerne (<i>Medicago sativa</i>) germplasm to grazing by sheep’, Humphries <i>et al.</i> (2006) <i>Australian Journal of Experimental Agriculture</i>, 46 1263-1270.</p> <p><i>Row trial to measure standard UPOV descriptors</i> For rows, measurements were taken randomly along the rows and sufficient sampling was ensured on each occasion for each criteria.</p> <p><i>Greenhouse measurements of pest and disease resistance</i> For pest and disease assessments, measurements were conducted as per NAAIC protocols with minor modifications. The full protocol for bluegreen aphid screening is described in: Humphries <i>et al.</i> (2012) A new biotype of bluegreen aphid (<i>Acyrtosiphon kondoi</i> Shinji) found in south-eastern Australia overcomes resistance in a broad range of pasture legumes, <i>Crop and Pasture Science</i>, 63 893-901.</p>
RHS Chart - edition	n/a

Origin and Breeding

Controlled pollination: 19 breeders lines. ‘SARDI Grazer’ was developed using 4 cycles of selection for continuous grazing tolerance using the NAAIC protocol adapted for a longer growing season with sheep (Humphries *et al.* 2006 AJEA, **46** 1263-1270). The last cycle of selection included a grazing trial on an acidic sand at the Great Southern Agricultural Research Institute (GSARI) at Katanning, SA and a red-

brown earth at Turretfield in SA. A synthetic population was developed from 318 plants tolerant to continuous grazing selected from the Katanning, WA and Turretfield, SA grazing trials, refined with further selection for winter activity, aphid and disease resistance, herbage and seed production, stem thickness and leaf size. The final synthetic of 38 parents was clonally propagated and randomly inter-mated with honeybees in a closed-pollination poly tunnel to produce the final variety.

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	winter activity	moderate (6)
Flower	frequency of plants with yellow, cream or white flowers	absent
Plant	natural height 2 weeks after the first autumn equinox	moderate –tall
Stem	length of the longest stem at full flower	medium to long

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Aurora'	winter activity rating 6
'Stamina GT6'	winter activity rating 6
'Kaituna'	winter activity rating 6
'Super Aurora'	winter activity rating 6
'UQL-1'	winter activity rating 6

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	'SARDI-Grazer'	'Aurora'	'Kaituna'	'Stamina GT6'	'Super Aurora'	'UQL-1'
<input type="checkbox"/> Plant: growth habit in autumn of the first year	semi erect					
<input type="checkbox"/> *Plant: natural height 2 weeks after the first autumn equinox following sowing	medium	medium	medium	medium	medium	medium
<input type="checkbox"/> *Plant: natural height 6 weeks after the first autumn equinox following sowing	medium	medium	medium	medium	medium	medium
<input checked="" type="checkbox"/> *Plant: natural height in spring	medium	medium	medium	medium	medium	medium
<input type="checkbox"/> *Time of: beginning of flowering	medium to late					
<input checked="" type="checkbox"/> *Flower: frequency of plants with very dark blue violet flowers	very high	medium to high	medium to high	medium to high	medium to high	medium to high
<input checked="" type="checkbox"/> *Flower: frequency of plants with variegated flowers	low	very low to low	low	very low to low	low	low
<input type="checkbox"/> *Flower: frequency of plants with cream, white or yellow flowers	absent or very low					
<input type="checkbox"/> *Stem: length of the longest stem at full flowering	medium	medium	medium	medium	medium to long	medium to long

<input type="checkbox"/> *Plant: tendency to grow during winter	dormancy rating 6					
<input type="checkbox"/> Resistance to: <i>Colletotrichum trifolii</i>	medium to high	medium	high	medium	medium to high	high
<input type="checkbox"/> Resistance to: <i>Phytophthora medicaginis</i>	medium to high	medium to high	high	high	high	high
<input checked="" type="checkbox"/> Resistance to: <i>Acyrtosiphon kondoi</i>	medium	medium	low	low to medium	medium	low
<input checked="" type="checkbox"/> Resistance to: <i>Therioaphis maculata</i>	high	low to medium	high	medium	medium	medium

Organ/Plant Part: Context	'SARDI-Grazer'	'Aurora'	'Kaituna'	'Stamina GT6'	'Super Aurora'	'UQL-1'
<input checked="" type="checkbox"/> Plant: time to beginning of flowering: (days)						
Mean	26.05	31.15	30.22	29.46	31.41	28.17
Std. Deviation	0.82	0.96	1.15	2.06	0.82	2.65
LSD/sig	1.96	P<0.01	P<0.01	P<0.01	P<0.01	ns
<input checked="" type="checkbox"/> Plant: tendency to grow during winter (plant height (cm))						
Mean	27.04	32.42	26.47	26.67	32.26	28.68
Std. Deviation	1.45	3.54	2.63	5.16	1.86	2.16
LSD/sig	3.93	P<0.01	ns	ns	ns	ns
<input type="checkbox"/> Plant: natural height 2 weeks after autumn equinox (cut 2 weeks before autumn equinox, cm)						
Mean	34.07	36.06	35.13	34.48	37.13	36.18
Std. Deviation	3.12	3.17	2.36	4.94	5.42	3.92
LSD/sig	5.11	ns	ns	ns	ns	ns
<input type="checkbox"/> Plant: natural height 6 weeks after autumn equinox (cut 2 weeks after autumn equinox, cm)						
Mean	32.26	35.21	29.06	31.54	31.93	29.84
Std. Deviation	5.01	1.33	2.09	0.93	1.33	3.49
LSD/sig	5.61	ns	ns	ns	ns	ns
<input type="checkbox"/> Plant: length of longest stem at full flower: (cm)						
Mean	52.94	52.52	59.41	55.40	45.93	53.76
Std. Deviation	10.46	2.50	1.41	2.06	8.77	6.55
LSD/sig	8.44	ns	ns	ns	ns	ns
<input checked="" type="checkbox"/> Plant: percentage of very dark purple flowering plants						
Mean	42.49	5.91	14.05	9.38	14.66	3.68
Std. Deviation	15.55	6.29	6.29	6.29	9.13	2.50
LSD/sig	14.86	P<0.01	P<0.01	P<0.01	P<0.01	P<0.01
<input checked="" type="checkbox"/> Plant: percentage of variegated flowering plants (log transformed)						
Mean	0.52	0.22	0.00	2.11	0.00	1.55
Std. Deviation	0.90	0.00	0.00	0.31	0.00	1.04
LSD/sig	0.99	ns	ns	P<0.01	ns	P<0.01
<input type="checkbox"/> Plant: establishment density of trial to be used for continuous sheep grazing (density 1, 15/4/2012, plants/m ²)						
Mean	64.41	63.51	63.68	66.20	57.51	67.81
Std. Deviation	9.04	7.50	5.74	11.34	5.32	8.17
LSD/sig	13.11	ns	ns	ns	ns	ns
<input type="checkbox"/> Plant: establishment density of trial to be used for rotational grazing (density 1, 15/4/2012 , plants /m ²)						
Mean	32.39	35.24	30.19	33.12	32.95	34.70

Std. Deviation	6.77	4.80	6.69	6.50	4.98	3.39
LSD/sig	4.18	ns	ns	ns	ns	ns
<input type="checkbox"/> Plant: Density of lucerne following 220 days of continuous grazing (density 3, 09/1/2013, plants/m ²)						
Mean	28.07	15.37	13.19	16.21	9.49	14.43
Std. Deviation	6.85	1.71	3.79	12.87	5.57	4.50
LSD/sig	9.19	P≤0.01	P≤0.01	P≤0.01	P≤0.01	P≤0.01
<input type="checkbox"/> Plant: Density of lucerne following 220 days of rotational grazing and/or cutting (density 3, 09/1/2013, plants /m ²)						
Mean	28.29	31.27	27.03	29.16	28.65	29.16
Std. Deviation	6.12	3.91	5.59	5.70	6.23	3.21
LSD/sig	4.65	ns	ns	ns	ns	ns
<input checked="" type="checkbox"/> Plant: Grazing Tolerance Trial. Grazing Tolerance Index GTI3=(den3/1)Continuous grazing / (mean den3/mean den1)Rotational grazing*100						
Mean	56.42	32.62	24.83	34.17	21.38	28.73
Std. Deviation	16.20	4.03	5.08	18.41	8.76	9.65
LSD/sig	16.42	P≤0.01	P≤0.01	P≤0.01	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Plant: Density of lucerne following 430 days of persistent grazing (density 5, 9/4/2014)						
Mean	23.78	8.95	6.63	7.90	4.11	6.27
Std. Deviation	10.38	7.23	2.52	6.14	2.00	3.10
LSD/sig	14.00	P≤0.01	P≤0.01	P≤0.01	P≤0.01	P≤0.01
<input type="checkbox"/> Plant: Density of lucerne following 430 days of rotational grazing and or cutting (density 5, 9/4/2014)						
Mean	26.90	26.74	23.29	23.73	25.47	23.52
Std. Deviation	4.38	2.28	3.83	5.72	7.31	2.95
LSD/sig	6.62	ns	ns	ns	ns	ns
<input checked="" type="checkbox"/> Plant: Grazing Tolerance Trial. Grazing Tolerance Index GTI5=(den5/1)Continuous grazing / (mean den5/mean den1)Rotational grazing *100						
Mean	40.06	15.42	11.12	13.57	7.33	11.83
Std. Deviation	14.83	11.87	3.78	10.97	3.38	5.34
LSD/sig	23.3	P≤0.01	P≤0.01	P≤0.01	P≤0.01	P≤0.01
<input type="checkbox"/> Plant: Resistance to <i>Phytophthora medicaginis</i> (% of resistant plants)						
Mean	21.29	18.25	28.38	34.01	27.56	29.00
Std. Deviation	7.70	13.00	7.80	17.90	10.00	14.50
LSD/sig	13.54	ns	ns	ns	ns	ns
<input checked="" type="checkbox"/> Plant: : Resistance to <i>Therioaphis maculata</i> (Spotted Alfalfa Aphid) (% of resistant plants)						
Mean	3.50	1.70	3.50	2.20	2.70	2.50
Std. Deviation	0.40	1.40	0.20	1.50	0.70	0.30
LSD/sig	1.4	P≤0.01	ns	P≤0.01	ns	P≤0.01
<input checked="" type="checkbox"/> Plant: Resistance to <i>Acyrtosiphon kondii</i> Shinji (Blue Green Aphid) (% of resistant plants)						
Mean	8.12	15.51	0.09	1.00	8.40	1.50
Std. Deviation	3.30	10.10	0.00	2.00	8.10	1.90
LSD/sig	7.31	P≤0.01	P≤0.01	ns	ns	ns
<input checked="" type="checkbox"/> Plant: Resistance to Anthracnose, <i>Colletotrichum trifolii</i> (% of resistant plants)						
Mean	21.23	15.03	23.60	11.88	21.61	35.56
Std. Deviation	4.10	4.20	3.70	6.40	9.70	13.80
LSD/sig	14.13	ns	ns	ns	ns	P≤0.01

Prior Applications and Sales Nil.

Description: Alan Hamphries, SARDI, Adelaide, SA.

Details of Application	
Application Number	2011/179
Variety Name	'SARDI 7 Series 2'
Genus Species	<i>Medicago sativa</i>
Common Name	Lucerne
Synonym	SARDI Seven Series 2
Accepted Date	27-Oct-2011
Applicant	MINISTER FOR AGRICULTURE, FOOD AND FISHERIES acting through the South Australian Research and Development Institute, Adelaide, SA
Agent	n/a
Qualified Person	Alan Humphries

Details of Comparative Trial	
Location	Waite Institute, Urrbrae, SA
Descriptor	Lucerne (<i>Medicago sativa</i>) UPOV TG/6/5
Period	2013-2015
Conditions	<p><i>Field Measurements</i></p> <p>A row trial was sown in 2013 in the field with 70 seeds spaced approximately 2-3 cm apart along a 2 m row. The distance between rows was 50 cm. The number of plants per row was thinned at seedling stage to 30 plants per row. Maintenance was carried out as required to ensure weed free and pest and disease free status. Irrigation was conducted as required.</p> <p><i>Greenhouse Measurements of Disease and Pest Resistance</i></p> <p>For pest and disease assessments plants were maintained under Greenhouse conditions as per NAAIC protocols with modifications for bluegreen aphid protocol. The test for bluegreen aphid resistance used a bluegreen aphid population collected at Urrbrae, South Australia. The virulence of the aphid, compared to a recent national survey (Humphries et al. 2012), was considered to be moderate. Plants for all experiments were grown in an aphid-free greenhouse and then transferred to an aphid house for inoculation with aphids 14 days after planting, when cotyledons had fully emerged. Each cultivar was infested with a mixed population of two nymphs or apterous adult aphids per plant by sprinkling aphids onto seedlings and assessed for damage 27 days after inoculation.</p>
Trial Design	For the field trial, a randomised complete block design was used with 4 replications. For pest and disease assessments, randomized complete block designs with 4 replications (a total of 200 seedlings per entry) per test cultivar were used, with an additional repeated check susceptible variety every 1 in 12 entries.
Measurements	For the field trial, measurements were taken on the centre 25 plants along each row (a total of 100 plants per entry). For pest and disease assessments, measurements were taken on 25 plants per experimental unit as per NAAIC protocols with minor modifications. The full protocol for bluegreen aphid screening is

	described in: Humphries et al. (2012) A new biotype of bluegreen aphid (<i>Acyrtosiphon kondoi</i> Shinji) found in south-eastern Australia overcomes resistance in a broad range of pasture legumes, <i>Crop and Pasture Science</i> , 63: 893-901.
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Origin and Breeding

Controlled pollination: SARDI Seven Series 2 was developed using multiple cycles of selection for persistence and yield on Australian commercial farms under a range of farming systems (cattle, sheep, hay, dryland, irrigation), combined with intensive screening for tolerance to a range of insect pests and diseases, namely bluegreen aphid, spotted alfalfa aphid, anthracnose and Phytophthora root rot. The last cycle of selection involved refining 269 potential parents selected from field locations at Inglewood (QLD), Aberdeen, Berrigan, Canowindra, Cootamundra, Parkes, Wagga Wagga (NSW), Balmoral (VIC.), Langhorne Creek, Monteith, Mount Gambier, Ponde and Turretfield (SA) using progeny test selection for tolerance to aphid and disease resistance, herbage and seed production, stem thickness and leafiness. The progeny test selection for bluegreen aphid was conducted with a new biotype identified in SA in 2008/9. As a result this new variety has a low level of tolerance to this new pest, which is an improvement comparison to all over known lucerne varieties. A final synthetic of 50 parents were randomly intermated with honeybees in a closed-pollination poly tunnel to produce the final variety.

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	winter activity (growth)	moderate-high (7)
Flower	Frequency of plants with yellow, cream or white flowers	absent
Resistance to	<i>Phytophthora medicaginis</i>	>low resistance (6%) and < Very high Resistance (50%)
Resistance to	<i>Colletotrichum trifolii</i> races 1,4	> low resistance (6%)

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'SARDI Seven'	Parent of SARDI Seven Series 2
'Genesis'	winter active
'Titan'	winter active
'Q75'	winter active
'Quadrella'	winter active
'L70'	winter active

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	'SARDI 7 Series 2'	'Genesis'	'L70'	'Q75'	'Quadrella'	'SARDI Seven'	'Titan'
<input type="checkbox"/> Plant: growth habit in autumn of the first year	semi erect						
<input type="checkbox"/> *Plant: natural height 2 weeks after the first autumn equinox following sowing	medium to tall						
<input type="checkbox"/> *Plant: natural height 6 weeks after the first autumn equinox following sowing	medium to tall						
<input type="checkbox"/> *Plant: natural height in spring	tall	medium to tall	tall	medium to tall	medium to tall	tall	tall
<input type="checkbox"/> *Time of: beginning of flowering	medium to late						
<input type="checkbox"/> *Flower: frequency of plants with very dark blue violet flowers	high to very high						
<input type="checkbox"/> *Flower: frequency of plants with variegated flowers	absent or very low						
<input type="checkbox"/> *Flower: frequency of plants with cream, white or yellow flowers	absent or very low						
<input type="checkbox"/> *Stem: length of the longest stem at full flowering	medium to long						
<input type="checkbox"/> *Plant: tendency to grow during winter	dormancy rating 7						
<input checked="" type="checkbox"/> Resistance to: <i>Colletotrichum trifolii</i>	medium to high	low	medium	medium to high	medium	medium to high	high
<input checked="" type="checkbox"/> Resistance to: <i>Phytophthora medicaginis</i>	medium to high	low to medium	medium	medium	medium	medium to high	high
<input checked="" type="checkbox"/> Resistance to: <i>Acyrtosiphon kondoi</i>	high	low to medium	low to medium	low to medium	low to medium	medium to high	low to medium
<input checked="" type="checkbox"/> Resistance to: <i>Therioaphis maculata</i>	medium	low to medium	low to medium	low to medium	low to medium	medium	low to medium

Statistical Table

Organ/Plant Part: Context	'SARDI 7 Series 2'	'Genesis'	'L70'	'Q75'	'Quadrella'	'SARDI Seven'	'Titan'
<input type="checkbox"/> Plant: time to beginning of flowering: January year 2 (days)							
Mean	29.73	30.01	31.06	31.49	30.58	31.49	30.50
Std. Deviation	1.26	0	0.82	0.58	1.29	0.58	1.73
LSD/sig	2.1	ns	ns	ns	ns	ns	ns
<input checked="" type="checkbox"/> Plant:tendency to grow during winter: (plant height (cm))							
Mean	32.95	32.95	32.22	27.86	28.68	29.23	30.69

Std. Deviation	2.24	2.93	5.28	1.46	2.09	2.73	3.49
LSD/sig	4.2	ns	ns	P≤0.01	P≤0.01	ns	ns
<input type="checkbox"/> Plant: natural height 2 weeks after autumn equinox (cut 2 weeks before autumn equinox, cm)							
Mean	37.37	33.14	39.82	39.75	39.55	36.59	36.17
Std. Deviation	3.39	2.20	2.8	3.73	3.11	1.83	3.32
LSD/sig	4.95	ns	ns	ns	ns	ns	ns
<input checked="" type="checkbox"/> Plant: natural height 6 weeks after autumn equinox (cut 2 weeks after autumn equinox, cm)							
Mean	42.25	42.02	40.03	38.17	40.72	41.77	42.11
Std. Deviation	4.80	1.59	1.78	1.36	0.96	3.36	3.15
LSD/sig	3.88	ns	ns	P≤0.01	ns	ns	ns
<input checked="" type="checkbox"/> Plant: length of longest stem at full flower: January year 2 (cm)							
Mean	65.35	57.19	62.76	56.04	54.66	65.10	55.83
Std. Deviation	0.00	8.26	11.15	2.50	7.50	5.45	7.85
LSD/sig	10.3	ns	ns	ns	P≤0.01	ns	ns
<input checked="" type="checkbox"/> Plant: resistance to <i>Phytophthora medicaginis</i> (percentage of resistant plants)							
Mean	23.80	8.10	-	15.50	14.30	23.30	27.20
Std. Deviation	4.80	9.90	-	1.00	10.60	9.00	6.60
LSD/sig	13.5	P≤0.01		ns	ns	ns	ns
<input checked="" type="checkbox"/> Plant: resistance to <i>Therioaphis maculata</i> (SAA, natural log of percentage of resistant plants)							
Mean	2.60	1.30	-	2.80	0.25	1.70	2.30
Std. Deviation	1.00	1.50	-	0.60	0.80	1.20	0.80
LSD/sig	1.38	ns		ns	P≤0.01	ns	ns
<input checked="" type="checkbox"/> Plant: resistance to <i>Acyrtosiphon kondii</i> Shinji (BGA, >2009 race, intermediate virulence, percentage of resistant plants)							
Mean	42.30	5.20	11.20	15.40	14.20	31.20	22.80
Std. Deviation	10.90	6.40	7.70	8.70	4.60	3.20	8.30
LSD/sig	7.9	P≤0.01	P≤0.01	P≤0.01	P≤0.01	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Plant: Anthracnose <i>Colletotrichum trifolii</i> (races 1,4. Percentage of resistant plants)							
Mean	26.50	6.50	-	24.70	15.70	20.30	43.40
Std. Deviation	7.80	5.00	-	13.00	9.30	9.00	15.10
LSD/sig	14.3	P≤0.01		ns	ns	ns	P≤0.01

Prior Applications and Sales: Nil.

Description: **Alan Hamphries**, SARDI, Adelaide, SA.

Details of Application	
Application Number	2013/310
Variety Name	'SARDI AT 7'
Genus Species	<i>Medicago sativa</i>
Common Name	Lucerne
Synonym	n/a
Accepted Date	22 January 2014
Applicant	MINISTER FOR AGRICULTURE, FOOD AND FISHERIES acting through the South Australian Research and Development Institute, Adelaide, SA
Agent	n/a
Qualified Person	Alan Humphries
Details of Comparative Trial	
Location	Waite Institute, Urrbrae, SA
Descriptor	Lucerne, <i>Medicago sativa</i> TG/6/5
Period	2014-2015
Conditions	<p><i>Glass house trial on tolerance to low pH and aluminium toxicity:</i> Root elongation of lucerne lines was measured at four levels of available aluminium (0, 3, 4, & 6 μM) in solution culture at pH 4.5. An additional solution with pH 7.0 and no aluminium was used as a control. The hydroponic solution was 120 L of 1 mM CaCl_2 solution pumped through 15L containers with floating seed holders. Lucerne seeds were surface sterilised and pre-germinated in petri dishes, before being planted with a uniform 5 mm radical length into the seed holders. The hydroponic solutions maintained at pH 4.5 were adjusted daily using 0.1M HCl throughout the experiment. Al concentration of the solution in each 15L container was adjusted to the desired treatment level using $\text{AlCl}_3 \cdot 6\text{H}_2\text{O}$ on day 3 of the experiment. Nodulation at low pH Each experimental unit comprised a 25L pail containing one-quarter strength N- and Al-free nutrient solution (McKnight 1949), aerated, and maintained at either pH 4.7 or 5.3. The pH of the nutrient solution in each pail was monitored daily and adjusted as needed with the addition of 0.1 mol/L NaOH or HCl. Surface sterilised seeds of the two lucernes were pre-germinated and seedlings of uniform size were sown into holes in a plastic lid floating on the nutrient solution. Fifty seedlings of each lucerne genotype were planted in each pail. Rhizobia were added the day after the seedlings were sown, to give a final concentration of ~105 cells/mL in each pail.</p> <p><i>Field Measurements:</i> A row trial was sown in 2013 in the field with 70 seeds spaced approximately 2-3 cm apart along a 2 m row. The distance between rows was 50 cm. The number of plants per row was thinned at seedling stage to 30 plants per row. Maintenance was carried out as required to</p>

	<p>ensure weed free and pest and disease free status. Irrigation was conducted as required. Greenhouse measurements of pest and disease resistance For pest and disease assessments plants were maintained under Greenhouse conditions as per NAAIC protocols with modifications for bluegreen aphid protocol. For bluegreen aphid , plants were grown on benches in an insectproof greenhouse by sowing 50 scarified seeds for each entry into 100-mm² MK12 punnet pots filled with sterilised coco peat potting mix. Cultivar treatments were replicated 4 times. Plants for all experiments were grown in an aphid-free greenhouse and then transferred to an aphid house for inoculation with aphids 10-14 days after planting, when cotyledons had fully emerged. Each cultivar was infested with a mixed population of two nymphs or apterous adult aphids per plant by sprinkling aphids onto seedlings and assessed for damage 27 days after inoculation (DAI).</p>
Trial Design	<p><i>Tolerance to low pH and aluminium toxicity:</i> A randomised complete block design was used with 4 replications. The experiment was run twice (two replicates per run) and data pooled to provide four replicates for analysis. In each experiment, eight 15L containers were randomly allocated one of the four aluminium solutions, such that there was 2 replicates of each solution (0, 3, 4, & 6 μM Al). In each 15L container, a floating raft held 20 seedholders, with each seedholder containing 20 seedlings from a single variety. There were 20 varieties in the experiment. In total, three hundred and twenty seedlings (20 seedlings \times 4 aluminium concentrations \times 4 replications) were planted for each variety. The 20 entries included two generations of AT7, the 10 VCK, varieties Aurora and Stamina GT6 (because of their use on acidic soils), four previous generations of SARDI AT7, and two unrelated acid tolerant controls (SARDI breeders lines). Results are presented for SARDI AT7, the ten VCK and an acid tolerant control. Nodulation at low pH The experiment was arranged in a randomised block design with rhizobia and pH as the main treatments (pH 4.7 and 5.3 each applied to an individual pail of nutrient solution) and lucerne genotype as sub-treatments (split within a pail). There were 3 replicates.</p> <p><i>Field Trial</i> For the field trial, a randomised complete block design was used with 4 replications. <i>Greenhouse measurements</i> of pest and disease resistance For pest and disease assessments randomized block designs with 4 replications (a total of 200 seedlings per line) per test cultivar were used, with a repeated check susceptible variety every 1 in 12 entries.</p>
Measurements	Tolerance to low pH and aluminium toxicity Root length of

	<p>individual seedlings was measured 14 days after the addition of Al and a mean root length for each lucerne genotype was calculated. Nodulation at low pH Plants were harvested 10 days after rhizobial inoculation and nodule number counted. Nodulated plants were returned to the solution to confirm the effectiveness (using shoot growth as a proxy in the nitrogen free solution) of their nodulation. Field row trial and greenhouse disease trial. Measurements were conducted for both row trials in the field and for pest and disease in the Greenhouse. For rows, measurements on 25 plants were taken randomly along the rows to ensure sufficient sampling for each criteria. For pest and disease assessments, measurements were conducted as per NAAIC protocols with minor modifications. The full protocol for bluegreen aphid screening is described in: Humphries et al. (2012) A new biotype of bluegreen aphid (<i>Acyrtosiphon kondoi</i> Shinji) found in south-eastern Australia overcomes resistance in a broad range of pasture legumes, Crop and Pasture Science, 63 893-901.</p>	
RHS Chart - edition		
Origin and Breeding		
<p>Controlled pollination: half sib family selection from 46 half sib families. The variety was developed using half sib family selection for improved root growth and nodulation with rhizobia in solution culture at pH 4.5. Solution culture was used to provide a uniform environment for plant selection. Four cycles of selection were made for improved root elongation in solution culture with toxic concentrations of aluminium. The selected plants in each cycle were polycrossed by hand pollination, and seed of half sib families was harvested per plant for use in the following cycle of selection. After four cycles of selection for improved root growth, the screening system was adjusted by adding rhizobia to the solution culture and selecting plants with good root elongation and effective nodulation after four weeks growth. Shoot growth was used as a proxy for determining the effectiveness of nodulation in a nitrogen free solution culture. Selected, nodulated plants with improved root and shoot growth were chosen as putative parents, recovered and transplanted into soil, and then refined for their resistance to bluegreen aphid, spotted alfalfa aphid, anthracnose (<i>Coletotrichum</i>) and <i>Phytophthora</i> using sequential experiments. Three cycles of selection were made for nodulation capacity, maintenance of root growth, and insect and disease resistance on half sib families originally selected with four cycles of selection for improved root growth at pH 4.5. The final variety is a population composed of 68 plants selected from 46 half sib families.</p>		
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	winter activity	moderate – high (7)
Flower	Frequency of plants with yellow, cream or white flowers	absent

Plant	natural height 2 weeks after the first autumn equinox	moderate - tall
Stem	Length of longest stem at full flowering	medium to long

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'SARDI Seven Series 2'	Winter activity class 7
'Quadrella'	Winter activity class 7
'Force 7'	Winter activity class 7
'Haymaster 7'	Winter activity class 7
'Titan 7'	Winter activity class 7
'Genesis'	Winter activity class 7
'SARDI Seven'	Winter activity class 7
'Q75'	Winter activity class 7
'SF714QL'	Winter activity class 7
'L70'	Winter activity class 7
'Aurora'	Winter activity class 6, used as a control for low pH root growth
'Stamina GT6'	Winter activity class 6, used as a control for low pH root growth

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	'SARDI AT7'	'Aurora'	'Force 7'	'Genesis'	'Haymaster 7'	'L70'	'Q75'	'Quadrella'	'SARDI Seven'	'SARDI Seven Series 2'	'SF71-4QL'	'Stamina GT6'	'Titan 7'
<input type="checkbox"/> Plant: growth habit in autumn of the first year	semi erect	-	semi erect	semi erect	-	semi erect							
<input type="checkbox"/> *Plant: natural height 2 weeks after the first autumn equinox following sowing	medium to tall	-	medium to tall	medium to tall	-	medium to tall							
<input type="checkbox"/> *Plant: natural height 6 weeks after the first autumn equinox following sowing	medium to tall	-	medium to tall	medium to tall	-	medium to tall							
<input type="checkbox"/> *Plant: natural height in spring	medium to tall	-	medium to tall	medium to tall	-	medium to tall							
<input type="checkbox"/> *Time of: beginning of flowering	medium	-	medium	medium	medium	medium	medium	medium	medium to late	medium	medium	-	medium
<input type="checkbox"/> *Flower: frequency of plants with very dark blue violet flowers	high to very high	-	high to very high	high to very high	-	high to very high							
<input type="checkbox"/> *Flower: frequency of plants with variegated flowers	absent or very low	-	absent or very low	absent or very low	-	absent or very low							
<input type="checkbox"/> *Flower: frequency of plants with cream, white or yellow flowers	absent or very low	-	absent or very low	absent or very low	-	absent or very low							
<input type="checkbox"/> *Stem: length of the longest stem at full flowering	medium to long	-	medium to long	medium to long	-	medium to long							
<input type="checkbox"/> *Plant: tendency to grow during winter (dormancy rating)	7	6	7	7	7	7	7	7	7	7	7	6	7
<input type="checkbox"/> Resistance to: <i>Colletotrichum trifolii</i>	medium to high	-	medium	low	medium	medium to high	medium	medium	medium	medium	medium to high	medium to high	high
<input type="checkbox"/> Resistance to: <i>Phytophthora medicaginis</i>	medium	-	medium	low	high	medium	medium	medium	medium	medium	medium	-	medium
<input type="checkbox"/> Resistance to: <i>Acyrtosiphon kondoi</i>	medium	-	medium	low	medium	low	low						
<input type="checkbox"/> Resistance to: <i>Therioaphis maculata</i>	medium to high	-	low to medium	low	low	low	medium	low	low	medium	low	-	low to medium

Statistical Table

Organ/Plant Part: Context	'SARDI AT7'	'Aurora'	'Force 7'	'Genesis'	'Haymaster 7'	'L70'	'Q75'	'Quadrella'	'SARDI Seven'	'SARDI Seven Series 2'	'SF714QL'	'Stamina GT6'	'Titan 7'
<input type="checkbox"/> Plant: Natural height 2 weeks after the first autumn equinox following sowing(cm)													
Mean	42.54	-	42.67	42.02	44.09	40.03	38.17	40.72	41.77	42.25	45.40	-	42.11
Std. Deviation	2.57	-	4.22	1.59	1.93	1.78	1.36	0.96	3.36	4.80	2.03	-	3.15
LSD/sig	3.88	-	ns	ns	ns	ns	P<0.01	ns	ns	ns	ns	-	ns
<input type="checkbox"/> Plant: Natural height 6 weeks after the first autumn equinox following sowing(cm)													
Mean	38.85	-	32.25	33.14	32.32	39.82	39.75	39.55	36.59	37.37	36.23	-	36.17
Std. Deviation	3.88	-	3.54	2.20	4.45	2.81	3.73	3.11	1.83	3.39	3.43	-	3.32
LSD/sig	4.95	-	P<0.01	P<0.01	P<0.01	ns	ns	ns	ns	ns	ns	-	ns
<input type="checkbox"/> Time of: Beginning of flowering(days)													
Mean	29.20	-	30.00	30.00	30.60	31.00	31.50	30.60	31.50	29.70	29.70	-	30.50
Std. Deviation	1.15	-	1.41	0.82	1.00	0.82	0.58	1.29	0.58	1.26	0.58	-	1.73
LSD/sig	2.1	-	ns	ns	ns	ns	P<0.01	ns	P<0.01	ns	ns	-	ns
<input type="checkbox"/> Stem: Length of the longest stem at full flowering(cm)													

Mean	54.65	-	60.12	57.19	60.43	62.76	56.04	54.66	65.09	65.35	64.94	-	55.83
Std. Deviation	8.77	-	11.20	8.26	5.91	11.15	2.50	7.50	5.45	0.00	3.70	-	7.85
LSD/sig	10.3	-	ns	ns	ns	ns	ns	ns	P≤0.01	P≤0.01	ns	-	ns
<input type="checkbox"/> Plant: Tendency to grow during winter(cm)													
Mean	32.63	-	32.33	32.95	38.29	32.22	27.86	28.68	29.23	32.95	41.91	-	30.69
Std. Deviation	1.93	-	2.47	2.93	3.01	5.28	1.46	2.09	2.24	2.24	1.77	-	3.49
LSD/sig	4.2	-	ns	ns	P≤0.01	ns	P≤0.01	ns	ns	ns	P≤0.01	-	ns
<input type="checkbox"/> Root: Growth (pH 7.0, Aluminium = 0) (cm)													
Mean	84.00	77.00	78.00	80.00	74.00	83.00	80.00	81.00	80.00	80.00	74.00	72.00	77.00
Std. Deviation	8.28	3.96	5.57	8.47	8.61	10.32	8.10	4.08	4.55	2.07	9.00	11.42	8.66
LSD/sig	13	ns											
<input checked="" type="checkbox"/> Root: Growth (pH 4.5, Aluminium = 0) (cm)													
Mean	58.81	37.91	47.47	42.38	39.21	46.18	39.62	45.18	38.66	40.32	46.81	42.65	40.33
Std. Deviation	7.81	7.30	8.21	5.60	6.55	18.64	3.00	10.39	6.15	6.01	6.58	7.69	5.35
LSD/sig	6.9	P≤0.01											
<input checked="" type="checkbox"/> Root: Growth (pH 4.5, Aluminium = 3µM) (cm)													
Mean	55.39	25.67	32.66	25.19	28.93	23.27	20.93	27.83	22.44	29.11	31.23	26.48	21.70
Std. Deviation	23.89	7.45	9.25	7.12	9.54	9.21	5.84	9.87	6.55	11.81	9.63	11.64	10.56
LSD/sig	6.89	P≤0.01											
<input checked="" type="checkbox"/> Root: Growth (pH 4.5, Aluminium = 4µM) (cm)													
Mean	41.58	22.25	23.73	23.38	22.19	16.09	16.93	21.78	21.44	20.87	24.75	21.20	17.90
Std. Deviation	9.81	6.02	3.57	3.72	4.42	3.59	2.59	4.97	6.52	5.54	3.42	5.41	5.14
LSD/sig	6.92	P≤0.01											
<input checked="" type="checkbox"/> Root: Growth (pH 4.5, Aluminium = 6µM) (cm)													
Mean	30.65	21.18	23.49	23.38	22.13	16.10	16.48	21.79	20.98	18.64	24.75	21.15	17.90
Std. Deviation	15.33	5.80	5.71	2.40	2.64	4.20	2.28	2.76	5.08	5.46	3.62	5.43	5.31
LSD/sig	6.91	P≤0.01											
<input type="checkbox"/> Nodulation: (pH 7.0, 0 Aluminium, <i>Rhizobium meliloti</i> strain SRDI736) (No. of Nodules)													
Mean	86.00	-	-	-	-	-	-	-	-	41.00	-	-	-
Std. Deviation	15.10	-	-	-	-	-	-	-	-	14.50	-	-	-
LSD/sig	14.8	-	-	-	-	-	-	-	-	P≤0.01	-	-	-
<input type="checkbox"/> Nodulation: No. of nodules per nodulated plant (pH 4.7, 0 Aluminium, <i>Rhizobium meliloti</i> strain SRDI736)													
Mean	3.80	-	-	-	-	-	-	-	-	2.10	-	-	-
Std. Deviation	0.67	-	-	-	-	-	-	-	-	0.58	-	-	-
LSD/sig	0.99	-	-	-	-	-	-	-	-	P≤0.01	-	-	-
<input type="checkbox"/> Resistance to: <i>Colletotrichum trifolii</i> (% of resistant plants)													
Mean	30.20	-	17.30	6.40	26.30	-	24.70	15.70	20.40	26.50	32.60	-	43.40
Std. Deviation	10.70	-	2.80	5.00	14.00	-	13.00	9.30	9.00	7.80	16.10	-	15.10
LSD/sig	14.1	-	ns	P≤0.01	ns	-	ns	P≤0.01	ns	ns	ns	-	ns
<input type="checkbox"/> Resistance to: <i>Phytophthora medicaginis</i> (% of resistant plants)													
Mean	26.20	-	35.70	8.10	42.50	-	15.50	14.30	23.30	23.80	22.60	-	27.20
Std. Deviation	5.70	-	15.30	9.90	8.40	-	1.00	10.60	9.00	4.80	11.00	-	6.60
LSD/sig	13.5	-	ns	P≤0.01	P≤0.01	-	ns	ns	ns	ns	ns	-	ns
<input checked="" type="checkbox"/> Resistance to: <i>Acyrtosiphon kondoi</i> (BGA) (% of resistant plants)													
Mean	19.00	-	16.30	1.30	6.10	-	0.10	6.70	5.60	18.10	9.80	-	6.70
Std. Deviation	8.10	-	7.60	1.20	3.70	-	1.00	3.80	2.50	2.80	4.10	-	4.40
LSD/sig	7.3	-	ns	P≤0.01	P≤0.01	-	P≤0.01	ns	P≤0.01	ns	P≤0.01	-	P≤0.01
<input type="checkbox"/> Resistance to: <i>Therioaphis maculate</i> (SAA) (% of resistant plants- ln)													
Mean	3.20	-	2.30	1.30	2.00	-	2.80	0.25	1.70	2.60	0.40	-	2.40
Std. Deviation	0.80	-	0.80	1.50	1.40	-	0.60	0.80	1.20	1.00	0.80	-	0.80
LSD/sig	1.4	-	ns	P≤0.01	ns	-	ns	P≤0.01	P≤0.01	ns	P≤0.01	-	ns

Prior Applications and Sales Nil.

Description: **Allan Humphries**, Adelaide, SA

Details of Application	
Application Number	2012/247
Variety Name	'Bannister'
Genus Species	<i>Avena sativa</i>
Coon Name	Oats
Synonym	Nil
Accepted Date	30 Apr 2013
Applicant	Western Australian Agriculture Authority, South Perth WA and Grains Research and Development Corporation, Barton, ACT.
Agent	Department of Agriculture and Food Western Australia South Perth WA.
Qualified Person	Leigh Smith
Details of Comparative Trial	
Location	Katanning, WA.
Descriptor	Oats <i>Avena sativa</i> TG/20/10
Period	June to December 2011
Conditions	The DUS trial was grown at Katanning which is central to a large oat growing district. Ideal growing conditions were experienced during the DUS trial.
Trial Design	Trial was sown as 1.42m wide x 20m long in 2 blocks. Two reps for each line in a randomised block design. A general analysis of variance was used to check levels of significance. The means, standard deviations and LSD/sig (0.1%) of plant parts are shown.
Measurements	Taken from 5 - 20 random plants from each of the two replicated plots selected randomly, in accordance to UPOV guidelines
RHS Chart - edition	N/A
Origin and Breeding	
Controlled pollination: '00Q164' cross was made in 2000 at the Department of Agriculture in South Perth between seed parent '93Q440-44-12' and pollen parent '95Q624-30'. Selections were made on the cross at the F2 generation based on plant type and selfed to produce fixed lines. Fixed line '00Q164-21' was progressed based on yield, quality and disease resistance. The variety was tested in replicated yield trials and was then entered into the Western Australian regional evaluation program from 2006 as WAOAT2354. Breeder: Dr Robyn McLean and Dr Pamela Zwer.	

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	growth habit	erect
Stem	hairiness of uppermost node	absent
Panicle	attitude of branches	semi-erect
Grain	husk	present

Most Similar Varieties of Coon Knowledge identified (VCK)

Name	Comments
'Carrolup'	
'Mortlock'	
'Murray'	
'Swan'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Wandering'	Plant	length	medium short	medium tall	
'Kojonup'	Plant	maturity	medium late	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	'Bannister'	'Carrolup'	'Mortlock'	'Murray'	'Swan'
<input type="checkbox"/> Plant: growth habit	erect	erect	erect	erect	erect
<input type="checkbox"/> Lowest leaves: hairiness of sheaths	absent or very weak				
<input checked="" type="checkbox"/> *Leaf blade: hairiness of margins of leaf below flag leaf	medium	weak	medium	absent or very weak	medium
<input checked="" type="checkbox"/> Plant: frequency of plants with recurved flag leaves	very low to low	medium to high	medium to high	very low to low	medium to high
<input checked="" type="checkbox"/> *Time of: panicle emergence	early	medium to late	medium to late	very early	late
<input type="checkbox"/> *Stem: hairiness of uppermost node	absent	absent	absent	absent	absent
<input type="checkbox"/> Stem: intensity of hairiness of uppermost node	very weak				
<input type="checkbox"/> Panicle: orientation of branches	unilateral	unilateral	unilateral	unilateral	unilateral
<input type="checkbox"/> Panicle: attitude of branches	semi-erect	semi-erect	semi-erect	semi-erect	semi-erect
<input type="checkbox"/> Panicle: attitude of spikelets	pendulous	pendulous	pendulous	pendulous	pendulous
<input checked="" type="checkbox"/> Glumes: length	short	medium	medium	medium	long
<input type="checkbox"/> *Primary grain: glaucosity of lea	absent	absent	absent	absent	absent
<input type="checkbox"/> *Primary grain: intensity of glaucosity of lea	very weak				
<input checked="" type="checkbox"/> *Plant: length	short	short to medium	medium	medium	long
<input checked="" type="checkbox"/> Panicle: length	medium	very short to short	medium	short	long

<input type="checkbox"/> *Grain: husk	present	present	present	present	present
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Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Bannister'	'Carrolup'	'Mortlock'	'Murray'	'Swan'
<input checked="" type="checkbox"/> Plant: total height	short	medium	medium	medium	tall
<input checked="" type="checkbox"/> Disease: stem rust	resistant/moderately resistant	moderately susceptible	moderately resistant/moderately susceptible	susceptible	susceptible
<input checked="" type="checkbox"/> Disease: leaf rust	resistant	susceptible	moderately susceptible	susceptible	susceptible

Statistical Table

Organ/Plant Part: Context	'Bannister'	'Carrolup'	'Mortlock'	'Murray'	'Swan'
<input checked="" type="checkbox"/> Plant: total length (mm)					
Mean	645.40	685.70	713.00	703.50	919.50
Std. Deviation	45.59	53.10	59.19	44.75	46.57
LSD/sig	86.88	ns	ns	ns	P≤0.01
<input checked="" type="checkbox"/> Plant: stem length (mm)					
Mean	473.50	539.20	540.50	547.80	713.80
Std. Deviation	38.55	40.41	31.19	41.60	62.70
LSD/sig	97.28	ns	ns	ns	P≤0.01
<input checked="" type="checkbox"/> Glume length (mm)					
Mean	25.72	28.36	28.91	28.44	30.69
Std. Deviation	1.30	1.40	1.38	1.79	1.65
LSD/sig	2.61	P≤0.01	P≤0.01	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Grain: 100 seed weight (gm)					
Mean	3.18	2.65	3.42	3.42	3.19
Std. Deviation	0.30	0.38	3.06	0.48	0.33
LSD/sig	0.47	P≤0.01	ns	ns	ns

Prior Applications and Sales

Nil

Description: Neil Venn and Leigh Smith, Department of Agriculture and Food Western Australia South Perth WA.

Details of Application	
Application Number	2013/151
Variety Name	'Williams'
Genus Species	<i>Avena sativa</i>
Common Name	Oats
Synonym	Nil
Accepted Date	18 Nov 2013
Applicant	Minister for agriculture, food and fisheries (Acting through the South Australian Research and Development Institute), Adelaide, SA and Grains Research Development Corporation, Barton, ACT.
Agent	Western Australian Agricultural Authority, South Perth, WA.
Qualified Person	Leigh Smith
Details of Comparative Trial	
Location	Katanning, WA.
Descriptor	Oats <i>Avena sativa</i> TG/20/10
Period	June to December 2011
Conditions	The DUS trial was grown at Katanning which is central to a large oat growing district. Ideal growing conditions were experienced during the DUS trial.
Trial Design	Trial was sown as 1.42m wide x 20m long in 2 blocks. Two reps for each line in a randomised block design. A general analysis of variance was used to check levels of significance. The means, standard deviations and LSD/sig (0.1%) of plant parts are shown.
Measurements	Taken from 5 - 20 random plants from each of the two replicated plots selected randomly, in accordance to UPOV guidelines
RHS Chart - edition	N/A

Origin and Breeding

Controlled pollination: In 1997 the breeder's line '85Q845-59' was crossed to 'Carrolup'. In the same year the breeder's line '93Q496-13' was also crossed to 'Carrolup'. The F1 seed from both of these crosses was then crossed in 1998 to make the final cross '98Q954' at the Department of Agriculture in South Perth. Selections were made on '98Q954' at the F2 generation based on plant type and selfed to produce fixed lines. The fixed line '98Q954-13-17' was progressed based on yield, quality and disease resistance. The variety was tested in replicated yield trials and was entered into the Western Australian regional evaluation program from 2006 as 'WAOAT 2332'. Breeder: Dr Robyn McLean and Dr Pamela Zwer.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	growth habit	erect
Stem	hairiness of uppermost node	absent
Panicle	orientation of branches	unilateral
Grain	husk	present

Most Similar Varieties of Common Knowledge identified (VCK)	
Name	Comments
'Carrolup'	
'Mortlock'	
'Murray'	
'Swan'	
'Wandering'	

Varieties of Coon Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Kojonup'	Plant	maturity	medium	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	'Williams'	'Carrolup'	'Mortlock'	'Murray'	'Swan'	'Wandering'
<input type="checkbox"/> Plant: growth habit	erect	erect	erect	erect	erect	erect
<input type="checkbox"/> Lowest leaves: hairiness of sheaths	absent or very weak	absent or very weak	absent or very weak			
<input checked="" type="checkbox"/> *Leaf blade: hairiness of margins of leaf below flag leaf	absent or very weak	weak	medium	absent or very weak	medium	weak
<input checked="" type="checkbox"/> Plant: frequency of plants with recurved flag leaves	medium	medium to high	medium to high	very low to low	medium to high	medium to high
<input checked="" type="checkbox"/> *Time of: panicle emergence	early	medium to late	medium to late	very early	late	medium to late
<input type="checkbox"/> *Stem: hairiness of uppermost node	absent	absent	absent	absent	absent	absent
<input type="checkbox"/> Stem: intensity of hairiness of uppermost node	very weak	very weak	very weak	very weak	very weak	very weak
<input type="checkbox"/> Panicle: orientation of branches	unilateral	unilateral	unilateral	unilateral	unilateral	unilateral
<input checked="" type="checkbox"/> Panicle: attitude of branches	horizontal	semi-erect	semi-erect	semi-erect to horizontal	semi-erect	semi-erect
<input type="checkbox"/> Panicle: attitude of spikelets	pendulous	pendulous	pendulous	pendulous	pendulous	pendulous
<input checked="" type="checkbox"/> Glumes: length	very short to short	medium	medium	medium	long	medium
<input type="checkbox"/> *Primary grain: glaucosity of lemma	absent	absent	absent	absent	absent	absent
<input type="checkbox"/> *Primary grain: intensity of glaucosity of lemma	very weak	very weak	very weak	very weak	very weak	very weak
<input type="checkbox"/> *Plant: length	short to	short to	medium	medium	long	short to

	medium	medium				medium
<input checked="" type="checkbox"/> Panicle: length	medium to long	very short to short	medium	short	long	very short
<input type="checkbox"/> *Grain: husk	present	present	present	present	present	present

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Williams'	'Carrolup'	'Mortlock'	'Murray'	'Swan'	'Wandering'
<input checked="" type="checkbox"/> Plant : total height	short-medium	medium	medium	medium	tall	short
<input checked="" type="checkbox"/> Plant: stem length	short-medium	medium	medium	medium	tall	short
<input checked="" type="checkbox"/> Disease: stem rust	moderately resistant	moderately susceptible	moderately resistant/moderately susceptible	susceptible	susceptible	moderately susceptible
<input checked="" type="checkbox"/> Disease: leaf rust	resistant	susceptible	moderately susceptible	susceptible	susceptible	very susceptible

Statistical Table

Organ/Plant Part: Context	'Williams'	'Carrolup'	'Mortlock'	'Murray'	'Swan'	'Wandering'
<input checked="" type="checkbox"/> Grain:100 seed weight (g)						
Mean	2.84	2.65	3.06	3.42	3.19	2.33
Std. Deviation	0.38	0.37	0.34	0.48	0.33	0.45
LSD/sig	0.34	ns	ns	P≤0.01	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Plant: glume length (mm)						
Mean	24.25	28.36	28.91	28.44	30.69	24.52
Std. Deviation	1.20	1.40	1.38	1.79	1.65	1.10
LSD/sig	1.48	P≤0.01	P≤0.01	P≤0.01	P≤0.01	ns
<input type="checkbox"/> Plant: length (mm)						
Mean	504.90	539.20	540.50	547.80	713.80	454.80
Std. Deviation	44.32	40.41	41.69	41.60	62.70	27.55
LSD/sig	49.45	ns	ns	ns	P≤0.01	P≤0.01
<input type="checkbox"/> Plant : total height (mm)						
Mean	688.80	685.70	713.00	703.50	919.50	630.20
Std. Deviation	49.37	53.10	59.19	44.75	46.57	26.84
LSD/sig	49.45	ns	ns	ns	P≤0.01	P≤0.01

Prior Applications and Sales

Nil

Description: Neil Venn and Leigh Smith, Department of Agriculture and Food Western Australia South Perth WA.

Details of Application		
Application Number	2014/281	
Variety Name	'Savannah'	
Genus Species	<i>Avena sativa</i>	
Coon Name	Oats	
Synonym	PAL6	
Accepted Date	19 March 2015	
Applicant	NDSU Research Foundation, Fargo, ND, USA	
Agent	Seedserv International Pty Ltd, Mountain Creek, QLD	
Qualified Person	Peter Stuart	
Details of Comparative Trial		
Location	Gatton, QLD	
Descriptor	Oats <i>Avena sativa</i> UPOV TG/20/10	
Period	Winter - Spring 2014. Sown 04 July 2014	
Conditions	The trial was sown into a well prepared seedbed on a property located near Gatton in the Lockyer Valley of South East Queensland. The trial was conducted under limited irrigated conditions using a row spacing of 40 cm.	
Trial Design	The trial design was a randomized complete block with four replications, four rows per plot, five metres long.	
Measurements	Measurements were taken from 7 plants selected at random from each of the 4 reps.	
Origin and Breeding		
Controlled pollination between two breeding lines made at North Dakota State University, Fargo, USA. Savannah differs from both its maternal and paternal parents in being resistant to crown rust virulent isolate Pc-91. Single plant selections were made during the F ₂ generation. Single panicle selections were made in the F ₃ and F ₄ generations. Selection criteria: Savannah has been selected for dry matter yield, plant type and resistance to leaf rust (<i>Puccinia coronata</i>). Propagation: Seed. Breeder: Dr Michael McMullen.		
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-erect to intermediate
Panicle	attitude of branches	semi-erect
Panicle	attitude of spikelets	pendulous
Grain	presence of husk	present
Most Similar Varieties of Common Knowledge identified (VCK)		
Name	Comments	
'Taipan'		
'Aladdin'		
'Comet'		

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	'Savannah'	'Aladdin'	'Comet'	'Taipan'
<input type="checkbox"/> Plant: growth habit	intermediate	semi-erect	semi-erect	semi-erect
<input type="checkbox"/> Lowest leaves: hairiness of sheaths	absent or very weak			
<input type="checkbox"/> *Leaf blade: hairiness of margins of leaf below flag leaf	absent or very weak			
<input checked="" type="checkbox"/> *Time of: panicle emergence	late	medium to late	late	late to very late
<input checked="" type="checkbox"/> *Stem: hairiness of uppermost node	present	present	present	absent
<input type="checkbox"/> Stem: intensity of hairiness of uppermost node	weak to medium	weak	strong	nil
<input checked="" type="checkbox"/> Panicle: orientation of branches	sub-unilateral	equilateral	sub-unilateral	sub-unilateral
<input type="checkbox"/> Panicle: attitude of branches	semi-erect	semi-erect	semi-erect	semi-erect
<input type="checkbox"/> Panicle: attitude of spikelets	pendulous	pendulous	pendulous	pendulous
<input type="checkbox"/> Glumes: glaucosity	weak	weak	medium	medium
<input checked="" type="checkbox"/> Glumes: length	medium	medium	long	medium
<input type="checkbox"/> *Primary grain: glaucosity of lemma	absent	absent	absent	absent
<input checked="" type="checkbox"/> *Plant: length	long	short to medium	long	medium
<input type="checkbox"/> *Grain: husk	present	present	present	present
<input checked="" type="checkbox"/> Primary grain: tendency to be awned	absent or very weak	weak	medium	strong
<input checked="" type="checkbox"/> Primary grain: length of lemma	medium	medium	medium	medium
<input type="checkbox"/> *Grain: colour of lemma	yellow	yellow	yellow	yellow
<input type="checkbox"/> Primary grain: hairiness of back of lemma	absent	absent	absent	absent
<input checked="" type="checkbox"/> Primary grain: hairiness of base	medium	very strong	absent or very weak	weak
<input checked="" type="checkbox"/> Primary grain: length of basal hairs	long	medium	medium	short
<input type="checkbox"/> Primary grain: length of rachilla	medium	medium to long	medium	long

Statistical Table

Organ/Plant Part: Context	'Savannah'	'Aladdin'	'Comet'	'Taipan'
<input type="checkbox"/> Plant: height (cm)(stem and panicle)				
Mean	119.71	101.50	120.20	115.60
Std. Deviation	1.78	4.51	3.68	4.50
LSD/sig	5.83	P≤0.01	ns	ns
<input checked="" type="checkbox"/> Flag leaf: width(mm)				
Mean	19.39	18.30	19.00	22.70
Std. Deviation	0.79	0.72	0.76	0.76
LSD/sig	1.20	ns	ns	P≤0.01
<input checked="" type="checkbox"/> Flag leaf: length(mm)				
Mean	150.11	189.10	169.80	208.90
Std. Deviation	10.41	7.06	15.31	4.04
LSD/sig	21.02	P≤0.01	ns	P≤0.01

Prior Applications and Sales

Nil

Description: **Peter Stuart**, Toowoomba, QLD.

Details of Application		
Application Number	2014/279	
Variety Name	'Bond'	
Genus Species	<i>Avena sativa</i>	
Common Name	Oats	
Synonym	PAL3	
Accepted Date	19 March 2015	
Applicant	NDSU Research Foundation, Fargo, ND, USA	
Agent	Seedserv International Pty Ltd, Mountain Creek, QLD	
Qualified Person	Peter Stuart	
Details of Comparative Trial		
Location	Gatton, QLD	
Descriptor	Oats <i>Avena sativa</i> UPOV TG/20/10	
Period	Winter - Spring 2014. Sown 04 July 2014	
Conditions	The trial was sown into a well prepared seedbed on a property located near Gatton in the Lockyer Valley of South East Queensland. The trial was conducted under limited irrigated conditions using a row spacing of 40 cm.	
Trial Design	The trial design was a randomized complete block with four replications, four rows per plot, five metres long.	
Measurements	Measurements were taken from 7 plants selected at random from each of the 4 reps.	
Origin and Breeding		
Controlled pollination: 'ND991293' x 'M16-5' made at North Dakota State University, Fargo, USA. Bond differs from its maternal parent in its reaction to NDCR08 crown rust composite. Bond differs from its paternal parent in the percentage of kernels <math><5/64</math>. Single plant selections were made during the F ₂ generation. Single panicle selections were made in the F ₃ and F ₄ generations. Selection criteria: Bond has been selected for dry matter yield, plant type and resistance to leaf rust (<i>Puccinia coronata</i>). Propagation: Seed. Breeder: Dr Michael McMullen.		
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 to semi-erect
Panicle	attitude of branches	semi-erect
Panicle	attitude of spikelets	pendulous
Grain	presence of husk	present
Most Similar Varieties of Common Knowledge identified (VCK)		
Name	Comments	
'Taipan'		
'Aladdin'		
'Comet'		

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	'Bond'	'Aladdin'	'Comet'	'Taipan'
<input type="checkbox"/> Plant: growth habit	erect to semi-erect	semi-erect	semi-erect	semi-erect
<input type="checkbox"/> Lowest leaves: hairiness of sheaths	absent or very weak			
<input type="checkbox"/> *Leaf blade: hairiness of margins of leaf below flag leaf	absent or very weak			
<input checked="" type="checkbox"/> *Time of: panicle emergence	medium to late	medium to late	late	late to very late
<input checked="" type="checkbox"/> *Stem: hairiness of uppermost node	present	present	present	absent
<input type="checkbox"/> Stem: intensity of hairiness of uppermost node	medium	weak	strong	nil
<input checked="" type="checkbox"/> Panicle: orientation of branches	sub-unilateral	equilateral	sub-unilateral	sub-unilateral
<input type="checkbox"/> Panicle: attitude of branches	semi-erect	semi-erect	semi-erect	semi-erect
<input type="checkbox"/> Panicle: attitude of spikelets	pendulous	pendulous	pendulous	pendulous
<input type="checkbox"/> Glumes: glaucosity	weak	weak	medium	medium
<input checked="" type="checkbox"/> Glumes: length	long	medium	long	medium
<input type="checkbox"/> *Primary grain: glaucosity of lemma	absent	absent	absent	absent
<input checked="" type="checkbox"/> *Plant: length	long	short to medium	long	medium
<input type="checkbox"/> *Grain: husk	present	present	present	present
<input checked="" type="checkbox"/> Primary grain: tendency to be awned	medium	weak	medium	strong
<input type="checkbox"/> *Grain: colour of lemma	yellow	yellow	yellow	yellow
<input type="checkbox"/> Primary grain: hairiness of back of lemma	absent	absent	absent	absent
<input checked="" type="checkbox"/> Primary grain: hairiness of base	weak	strong	absent or very weak	weak
<input type="checkbox"/> Primary grain: length of basal hairs	very short to short	medium	medium	short
<input checked="" type="checkbox"/> Primary grain: length of rachilla	long	medium to long	medium	long

Statistical Table

Organ/Plant Part: Context	'Bond'	'Aladdin'	'Comet'	'Taipan'
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<input type="checkbox"/> Plant: height (cm)(stem and panicle)				
Mean	119.40	101.50	120.20	115.60
Std. Deviation	5.10	4.51	3.68	4.50
LSD/sig	5.8	P≤0.01	ns	ns
<input checked="" type="checkbox"/> Flag leaf: width(mm)				
Mean	15.10	18.30	19.00	22.70
Std. Deviation	0.53	0.72	0.76	0.76
LSD/sig	1.2	P≤0.01	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Flag leaf: length(mm)				
Mean	152.00	189.10	169.80	208.90
Std. Deviation	6.82	7.06	15.31	4.04
LSD/sig	21.0	P≤0.01	ns	P≤0.01

Prior Applications and Sales

Nil

Description: **Peter Stuart**, Toowoomba, QLD.

Details of Application		
Application Number	2014/280	
Variety Name	'Boss'	
Genus and species	<i>Avena sativa</i>	
Common Name	Oats	
Synonym	PAL2	
Accepted Date	19 March 2015	
Applicant	NDSU Research Foundation, Fargo, ND, USA	
Agent	Seedserv International Pty Ltd, Mountain Creek, QLD	
Qualified Person	Peter Stuart	
Details of Comparative Trial		
Location	Gatton, QLD	
Descriptor	Oats <i>Avena sativa</i> UPOV TG/20/10	
Period	Winter - Spring 2014. Sown 04 July 2014	
Conditions	The trial was sown into a well prepared seedbed on a property located near Gatton in the Lockyer Valley of South East Queensland. The trial was conducted under limited irrigated conditions using a row spacing of 40 cm.	
Trial Design	The trial design was a randomized complete block with four replications, four rows per plot, five metres long.	
Measurements	Measurements were taken from 7 plants selected at random from each of the 4 reps.	
Origin and Breeding		
Controlled pollination: 'M5' x 'M51215' made at North Dakota State University, Fargo, USA. Boss differs from its maternal and paternal parents for reaction to crown rust composite CRDM05 and for test weight respectively. Single plant selections were made during the F ₂ generation. Single panicle selections were made in the F ₃ and F ₄ generations. Selection criteria: Boss has been selected for dry matter yield, plant type and resistance to leaf rust (<i>Puccinia coronata</i>). Propagation: Seed. Breeder: Dr Michael McMullen.		
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 to semi-erect
Panicle	attitude of branches	semi-erect
Panicle	attitude of spikelets	pendulous
Grain	presence of husk	present
Most Similar Varieties of Common Knowledge identified (VCK)		
Name	Comments	
'Taipan'		
'Aladdin'		
'Comet'		

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	'Boss'	'Aladdin'	'Comet'	'Taipan'
<input type="checkbox"/> Plant: growth habit	erect to semi-erect	semi-erect	semi-erect	semi-erect
<input type="checkbox"/> Lowest leaves: hairiness of sheaths	absent or very weak			
<input type="checkbox"/> *Leaf blade: hairiness of margins of leaf below flag leaf	absent or very weak			
<input checked="" type="checkbox"/> *Time of: panicle emergence	early to medium	medium to late	late	late to very late
<input checked="" type="checkbox"/> *Stem: hairiness of uppermost node	present	present	present	absent
<input type="checkbox"/> Stem: intensity of hairiness of uppermost node	strong	weak	strong	nil
<input checked="" type="checkbox"/> Panicle: orientation of branches	unilateral	equilateral	sub-unilateral	sub-unilateral
<input type="checkbox"/> Panicle: attitude of branches	semi-erect	semi-erect	semi-erect	semi-erect
<input type="checkbox"/> Panicle: attitude of spikelets	pendulous	pendulous	pendulous	pendulous
<input type="checkbox"/> Glumes: glaucosity	weak	weak	medium	medium
<input checked="" type="checkbox"/> Glumes: length	short	medium	long	medium
<input type="checkbox"/> *Primary grain: glaucosity of lemma	absent	absent	absent	absent
<input checked="" type="checkbox"/> *Plant: length	medium	short to medium	long	medium
<input type="checkbox"/> *Grain: husk	present	present	present	present
<input checked="" type="checkbox"/> Primary grain: tendency to be awned	weak	weak	medium	strong
<input checked="" type="checkbox"/> Primary grain: length of lemma	medium	medium	medium	medium
<input type="checkbox"/> *Grain: colour of lemma	yellow	yellow	yellow	yellow
<input type="checkbox"/> Primary grain: hairiness of back of lemma	absent	absent	absent	absent
<input checked="" type="checkbox"/> Primary grain: hairiness of base	absent or very weak	very strong	absent or very weak	weak
<input type="checkbox"/> Primary grain: length of basal hairs	medium	medium	medium	short
<input checked="" type="checkbox"/> Primary grain: length of rachilla	long	medium to long	medium	long

Statistical Table

Organ/Plant Part: Context	'Boss'	'Aladdin'	'Comet'	'Taipan'
<input type="checkbox"/> Plant: height (cm)(stem and panicle)				
Mean	116.82	101.50	120.20	115.60
Std. Deviation	1.66	4.51	3.68	4.50
LSD/sig	5.83	P≤0.01	ns	ns
<input checked="" type="checkbox"/> Flag leaf: width(mm)				
Mean	13.68	18.30	19.00	22.70
Std. Deviation	0.95	0.72	0.76	0.76
LSD/sig	1.2	P≤0.01	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Flag leaf: length(mm)				
Mean	124.32	189.10	169.80	208.90
Std. Deviation	6.90	7.06	15.31	4.04
LSD/sig	21.0	P≤0.01	P≤0.01	P≤0.01

Prior Applications and Sales

Nil

Description: **Peter Stuart**, Toowoomba, QLD.

Details of Application		
Application Number	2014/055	
Variety Name	'Flomursis'	
Genus Species	<i>Murraya paniculata</i>	
Common Name	Orange Jasmine	
Synonym	Style-it-S	
Accepted Date	30 Apr 2014	
Applicant	Floreta Intellectual Property Pty Ltd, Capalaba, QLD	
Agent	Kerry Bunker, Capalaba, QLD	
Qualified Person	Kerry Bunker	
Details of Comparative Trial		
Location	Redland Bay, Queensland, Australia	
Descriptor	National Descriptor for Orange Jasmine (<i>Murraya paniculata</i>)	
Period	August 2014 to March 2015	
Conditions	Full sun with overhead automatic irrigation. Plants were potted into 140mm containers using soilless media and 6 month slow release fertiliser at the recommended rate.	
Trial Design	Single randomised block containing 15 plants of each of the candidate variety and the nearest varieties of common knowledge (VCK).	
Measurements	The data taken reflects the characteristics of the candidate variety and how it differs from the most similar varieties of common knowledge.	
RHS Chart - edition	2001	
Origin and Breeding		
Open pollination: In January 2008 plants of 'Min-a-Min' and 'Mini Mike' were planted in a garden bed, in isolation from other <i>Murraya</i> . Fruit from 'Min-a-Min' was collected in October 2008, seeds were extracted and dried. The seed was sown 17 October 2008 and all resultant seedlings potted to 100mm pots, December 2008. These were later staged to 140mm pots in February 2009. The variety 'Flomursis' syn Style-it-S (Breeder's code: FLOMUR09-006) was selected October 2009 for its compact plant growth and small leaflet size. Breeder: Dr K.V. Bunker.		
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
Leaflet	size	small
Leaf	variegation	absent
Most Similar Varieties of Common Knowledge identified (VCK)		
Name	Comments	
'Min-a-Min'	small leaf and no variegation (seed parent)	
'Flomursixs' syn Style-it-XS	small leaf and no variegation (sister 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
'Mini-Mike'	Leaflet	size	small	large	Pollen parent
'Summer Snow'	Leaf	variegation	absent	present	
<i>Murraya paniculata</i> Common form	Leaflet	size	small	large	

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	'Flomursis'	'Min-a-Min'	'Flomursixs'
<input type="checkbox"/> Plant: growth habit	erect	erect	erect
<input type="checkbox"/> Terminal leaflet: shape of blade	obovate	obovate	obovate
<input checked="" type="checkbox"/> Terminal leaflet: shape of apex	acute	rounded	rounded
<input type="checkbox"/> Terminal leaflet: shape of base	cuneate	cuneate	cuneate
<input type="checkbox"/> Terminal leaflet: shape of cross-section	concave	concave	concave
<input type="checkbox"/> Terminal leaflet: curvature of longitudinal axis	recurved	recurved	recurved
<input type="checkbox"/> Leaf: glossiness of upper side	strong	strong	strong
<input type="checkbox"/> Leaf: green colour	medium	medium	medium
<input type="checkbox"/> Leaf: presence of variegation	absent	absent	absent

Statistical Table			
Organ/Plant Part: Context	'Flomursis'	'Min-a-Min'	'Flomursixs'
<input checked="" type="checkbox"/> Plant: height (cm)			
Mean	32.00	25.20	21.50
Std. Deviation	2.69	1.99	1.96
LSD/sig	2.77	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Plant: width (cm)			
Mean	52.55	32.90	27.45
Std. Deviation	3.08	5.93	2.45
LSD/sig	5.09	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Stem: length of first internode below the last fully expanded composite leaf (mm)			
Mean	15.61	13.61	8.61
Std. Deviation	2.33	1.68	1.47

LSD/sig	2.31	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Leaf: composite leaf length (mm)			
Mean	79.87	55.57	46.44
Std. Deviation	7.89	1.51	5.70
LSD/sig	7.05	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Terminal leaflet: length of blade (mm)			
Mean	22.02	16.62	10.10
Std. Deviation	1.97	1.46	1.54
LSD/sig	2.07	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Terminal leaflet: width of blade at widest point (mm)			
Mean	8.83	7.18	5.00
Std. Deviation	0.52	0.81	0.62
LSD/sig	0.82	P≤0.01	P≤0.01

Prior Applications and Sales

Nil.

Description: **Kerry Bunker**, Floreta Intellectual Property Pty Ltd, Capalaba, QLD.

Details of Application		
Application Number	2014/056	
Variety Name	'Flomursixs'	
Genus Species	<i>Murraya paniculata</i>	
Common Name	Orange Jasmine	
Synonym	Style-it-XS	
Accepted Date	30 Apr 2014	
Applicant	Floreta Intellectual Property Pty Ltd, Capalaba, QLD	
Agent	Kerry Bunker, Capalaba, QLD	
Qualified Person	Kerry Bunker	
Details of Comparative Trial		
Location	Redland Bay, Queensland, Australia	
Descriptor	National Descriptor for Orange Jasmine (<i>Murraya paniculata</i>)	
Period	August 2014 to March 2015	
Conditions	Full sun with overhead automatic irrigation. Plants were potted into 140mm containers using soilless media and 6 month slow release fertiliser at the recommended rate.	
Trial Design	Single randomised block containing 15 plants of each of the candidate variety and the nearest varieties of common knowledge (VCK).	
Measurements	The data taken reflects the characteristics of the candidate variety and how it differs from the most similar varieties of common knowledge.	
RHS Chart - edition	2001	
Origin and Breeding		
Open pollination: In January 2008 plants of 'Min-a-Min' and 'Mini Mike' were planted in a garden bed, in isolation from other <i>Murraya</i> . Fruit from 'Min-a-Min' was collected in October 2008, seeds were extracted and dried. The seed was sown 17 October 2008 and all resultant seedlings potted to 100mm pots, December 2008. These were later staged to 140mm pots in February 2009. The variety 'Flomursixs' syn Style-it-XS (Breeder's code: FLOMUR09-005) was selected October 2009 for its compact plant growth and small leaflet size. Breeder: Dr K.V. Bunker.		
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
Leaflet	size	small
Leaf	variegation	absent
Most Similar Varieties of Common Knowledge identified (VCK)		
Name	Comments	
'Min-a-Min'	small leaf and no variegation (seed parent)	
'Flomursis' syn Style-it-S	small leaf and no variegation (sister 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
'Mini-Mike'	Leaflet	size	small	large	pollen parent
'Summer Snow'	Leaf	variegation	absent	present	
<i>Murraya paniculata</i> Common form	Leaflet	size	small	large	

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	'Flomursixs'	'Flomursis'	'Min-a-Min'
<input type="checkbox"/> Plant: growth habit	erect	erect	erect
<input type="checkbox"/> Terminal leaflet: shape of blade	obovate	obovate	obovate
<input checked="" type="checkbox"/> Terminal leaflet: shape of apex	rounded	acute	rounded
<input type="checkbox"/> Terminal leaflet: shape of base	cuneate	cuneate	cuneate
<input type="checkbox"/> Terminal leaflet: shape of cross-section	concave	concave	concave
<input type="checkbox"/> Terminal leaflet: curvature of longitudinal axis	recurved	recurved	recurved
<input type="checkbox"/> Leaf: glossiness of upper side	strong	strong	strong
<input type="checkbox"/> Leaf: green colour	medium	medium	medium
<input type="checkbox"/> Leaf: presence of variegation	absent	absent	absent

Statistical Table			
Organ/Plant Part: Context	'Flomursixs'	'Flomursis'	'Min-a-Min'
<input checked="" type="checkbox"/> Plant: height (cm)			
Mean	21.50	32.00	25.20
Std. Deviation	1.96	2.69	1.99
LSD/sig	2.77	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Plant: width (cm)			
Mean	27.45	52.55	32.90
Std. Deviation	2.45	3.08	5.93
LSD/sig	5.09	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Stem: length of first internode below the last fully expanded composite leaf (mm)			
Mean	8.61	15.61	13.61
Std. Deviation	1.47	2.33	1.68
LSD/sig	2.31	P≤0.01	P≤0.01

<input checked="" type="checkbox"/> Leaf: composite leaf length (mm)			
Mean	46.44	79.87	55.57
Std. Deviation	5.70	7.89	1.51
LSD/sig	7.05	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Terminal leaflet: length of blade (mm)			
Mean	10.10	22.02	16.62
Std. Deviation	1.54	1.97	1.46
LSD/sig	2.07	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Terminal leaflet: width of blade at widest point (mm)			
Mean	5.00	8.83	7.18
Std. Deviation	0.62	0.52	0.81
LSD/sig	0.82	P≤0.01	P≤0.01

Prior Applications and Sales

Nil.

Description: **Kerry Bunker**, Floreta Intellectual Property Pty Ltd, Capalaba, QLD.

Details of Application		
Application Number	2014/017	
Variety Name	'Dakota Trailblazer'	
Genus Species	<i>Solanum tuberosum</i>	
Common Name	Potato	
Synonym	n/a	
Accepted Date	11 April 2014	
Applicant	NSDU Research Foundation, Fargo, ND, USA.	
Agent	Simplot Australia Pty Ltd, Mentone, VIC.	
Qualified Person	John Fennell	
Details of Comparative Trial		
Location	Waikerie, SA	
Descriptor	Potato <i>Solanum tuberosum</i> UPOV TG/23/6	
Period	October 2014 to March 2015	
Conditions	Plantlets ex-quarantine were raised from tissue cultures and planted into potting mix in 200mm diameter plastic pots on 1 October 2014. Pots were placed on benches in a screened polythene clad greenhouse.	
Trial Design	60 potted plants per variety were arranged in blocks with candidate and comparator next to each other.	
Measurements	Observations of foliage and flowering were taken on 19 November 2014. For the varieties that did not flower the characteristics were compared using published UPOV information. Tuber characteristics were recorded on 6 February 2015. Following storage with illumination the lightsprouts were assessed and photographed on 27 March 2015.	
Origin and Breeding		
Controlled pollination: 'A89163-3LS' x 'A8914-4' were manually crossed in 1995 at Aberdeen, Idaho, USA. True seed was used to raise individual tubers of the resultant genetically different progeny. Seedling 'AOND95249-1Russ' selected after 9 years of clonal trials in several locations in the USA. Selection was based upon yield, tuber shape and quality, disease resistance and processing potential. The variety 'Dakota Trailblazer' was released in 2010. The seed parent differs from 'Dakota Trailblazer' by very heavy russet tuber skin and deeper eyes. The pollen parent differs by intermediate plant type, higher cold induced sweetening of tubers and higher incidence of growth cracks. Breeder: Dr Asunta Thompson, North Dakota State University, Fargo, ND, 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
Tuber	shape	long
Tuber	skin smoothness	russeted
Tuber	flesh colour	white

Most Similar Varieties of Common Knowledge identified (VCK)	
Name	Comments
'Russet Burbank'	

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	'Dakota Trailblazer'	'Russet Burbank'
<input checked="" type="checkbox"/> Lightsprout: size	medium	small
<input checked="" type="checkbox"/> *Lightsprout: shape	spherical	ovoid
<input checked="" type="checkbox"/> *Lightsprout: intensity of anthocyanin colouration	strong	weak
<input checked="" type="checkbox"/> *Lightsprout: proportion of blue in anthocyanin colouration of base	medium	absent or low
<input checked="" type="checkbox"/> *Lightsprout: pubescence of base	strong	medium
<input type="checkbox"/> Lightsprout: size of tip in relation to base	medium	small to medium
<input type="checkbox"/> Lightsprout: habit of tip	closed	closed to intermediate
<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 checked="" type="checkbox"/> *Lightsprout: number of root tips	many	few to medium
<input type="checkbox"/> Lightsprout: length of lateral shoots	short	short
<input checked="" type="checkbox"/> Plant: foliage structure	intermediate type	leaf type
<input checked="" type="checkbox"/> *Plant: growth habit	upright	semi-upright to spreading
<input type="checkbox"/> *Stem: anthocyanin colouration	absent or very weak	absent or very weak
<input type="checkbox"/> Leaf: outline size	medium	medium to large
<input type="checkbox"/> Leaf: openness	intermediate to open	open
<input checked="" type="checkbox"/> Leaf: presence of secondary leaflets	strong	medium
<input type="checkbox"/> Leaf: green colour	medium	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: size	medium	medium
<input type="checkbox"/> Second pair of lateral leaflets: width in relation to length	narrow to medium	narrow

<input type="checkbox"/>	Terminal and lateral leaflets: frequency of coalescence	absent or very low	low
<input type="checkbox"/>	Leaflet: waviness of margin	absent or very weak	very weak to weak
<input type="checkbox"/>	Leaflet: depth of veins	medium	medium to deep
<input type="checkbox"/>	Leaflet: glossiness of the upperside	medium	medium
<input type="checkbox"/>	Flower bud: anthocyanin colouration	weak to medium	absent or very weak
<input type="checkbox"/>	Plant: height	tall	tall
<input checked="" type="checkbox"/>	*Plant: frequency of flowers	high	absent or very low
<input checked="" type="checkbox"/>	Inflorescence: size	medium	small
<input type="checkbox"/>	Inflorescence: anthocyanin colouration on peduncle	absent or very weak	absent or very weak
<input type="checkbox"/>	Flower corolla: size	medium	small
<input type="checkbox"/>	*Flower corolla: intensity of anthocyanin colouration on inner side	absent or very weak	absent or very weak
<input type="checkbox"/>	*Flower corolla: proportion of blue in anthocyanin colouration on inner side	absent or low	absent or low
<input type="checkbox"/>	*Flower corolla: extent of anthocyanin colouration on inner side	absent or very small	absent or very small
<input type="checkbox"/>	*Plant: time of maturity	medium to late	medium to late
<input type="checkbox"/>	*Tuber: shape	long	long
<input checked="" type="checkbox"/>	Tuber: depth of eyes	shallow	medium
<input type="checkbox"/>	*Tuber: colour of skin	reddish brown	reddish brown
<input type="checkbox"/>	*Tuber: colour of flesh	white	white

Characteristics Additional to the Descriptor/TG		
Organ/Plant Part: Context	'Dakota Trailblazer'	'Russet Burbank'
<input type="checkbox"/> Stem: thickness	thick	medium
<input type="checkbox"/> Tuber: skin smoothness	rough	rough
<input type="checkbox"/> Tuber: intensity of skin colour	dark	dark
<input type="checkbox"/> Stem: hollowness	solid	small
<input type="checkbox"/> Tuber: eyebrows	medium	medium

<input checked="" type="checkbox"/> Stem: wings	large	small
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Prior Applications and Sales

Country	Year	Current Status	Name Applied
USA	2011	Applied	'Dakota Trailblazer'
Canada	2012	Applied	'Dakota Trailblazer'

First sold in USA in April 2010.

Description: **John Fennell**, Littlehampton, SA

Details of Application		
Application Number	2014/029	
Variety Name	'Chicago'	
Genus Species	<i>Solanum tuberosum</i>	
Common Name	Potato	
Synonym		
Accepted Date	06 March 2014	
Applicant	Cygnet Potato Breeders Ltd, Milnathort, Scotland, UK	
Agent	Elders Rural Services Australia Ltd, Ballarat, VIC.	
Qualified Person	John Fennell	
Details of Comparative Trial		
Location	Waikerie, SA	
Descriptor	Potato <i>Solanum tuberosum</i> UPOV TG/23/6	
Period	October 2014 to March 2015	
Conditions	Plantlets ex-quarantine were raised from tissue cultures and planted into potting mix in 200mm diameter plastic pots on 1 October 2014. Pots were placed on benches in a screened polythene clad greenhouse.	
Trial Design	60 potted plants per variety were arranged in blocks with candidate and comparator next to each other.	
Measurements	Observations of foliage and flowering were taken on 19 November 2014. For the varieties that did not flower the characteristics were compared using published UPOV information. Tuber characteristics were recorded on 6 February 2015. Following storage with illumination the lightsprouts were assessed and photographed on 27 March 2015.	
Origin and Breeding		
Controlled pollination: 'Midas' x '93G181-010' were manually crossed in 1997 at Cambridge, UK. True seed was used to raise individual tubers of the resultant genetically different progeny. Seedling 98C051-002 selected after 11 years of clonal trials in Scotland. Selection was based upon yield, pest and disease resistance and cooking quality. The variety 'Chicago' was released in November 2010 when first commercial sale was done. The seed parent differs from 'Chicago' by higher flower numbers and lacks red colour to base of eye. The pollen parent differs by having longer tubers. Breeder: Cygnet Potato Breeders Ltd., Milnathort, Scotland, UK.		
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
Lightsprout	shape	ovoid
Tuber	skin colour	red parti-coloured
Tuber	flesh colour	light yellow
Most Similar Varieties of Common Knowledge identified (VCK)		

Name	Comments
'Vale Sovereign'	

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	'Chicago'	'Vales Sovereign'
<input type="checkbox"/> Lightsprout: size	very small to small	small
<input type="checkbox"/> *Lightsprout: shape	ovoid	ovoid
<input type="checkbox"/> *Lightsprout: intensity of anthocyanin colouration	medium	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	absent or very weak	weak
<input checked="" type="checkbox"/> Lightsprout: size of tip in relation to base	small	medium to large
<input checked="" type="checkbox"/> Lightsprout: habit of tip	closed	intermediate
<input checked="" type="checkbox"/> Lightsprout: anthocyanin colouration of tip	weak	medium to strong
<input type="checkbox"/> Lightsprout: pubescence of tip	absent or very weak	weak
<input type="checkbox"/> *Lightsprout: number of root tips	few	few
<input type="checkbox"/> Lightsprout: length of lateral shoots	short	medium
<input type="checkbox"/> Plant: foliage structure	intermediate type	intermediate type
<input type="checkbox"/> *Plant: growth habit	upright	upright
<input checked="" type="checkbox"/> *Stem: anthocyanin colouration	medium	weak
<input type="checkbox"/> Leaf: outline size	medium to large	medium
<input checked="" type="checkbox"/> Leaf: openness	open	intermediate
<input type="checkbox"/> Leaf: presence of secondary leaflets	medium to strong	medium to strong
<input checked="" type="checkbox"/> Leaf: green colour	medium	light
<input type="checkbox"/> Leaf: anthocyanin colouration on midrib of upper side	absent or very weak	very weak to weak
<input type="checkbox"/> Second pair of lateral leaflets: size	medium	medium
<input type="checkbox"/> Second pair of lateral leaflets: width in relation to length	medium	medium
<input checked="" type="checkbox"/> Terminal and lateral leaflets: frequency of coalescence	medium	absent or very low
<input type="checkbox"/> Leaflet: waviness of margin	medium	medium

<input type="checkbox"/>	Leaflet: depth of veins	medium to deep	medium to deep
<input checked="" type="checkbox"/>	Leaflet: glossiness of the upperside	glossy	medium
<input type="checkbox"/>	Flower bud: anthocyanin colouration	weak to medium	weak
<input type="checkbox"/>	Plant: height	medium to tall	tall
<input checked="" type="checkbox"/>	*Plant: frequency of flowers	absent or very low	high
<input type="checkbox"/>	*Plant: time of maturity	late	medium
<input type="checkbox"/>	*Tuber: shape	oval	oval
<input checked="" type="checkbox"/>	Tuber: depth of eyes	very shallow to shallow	shallow to medium
<input type="checkbox"/>	*Tuber: colour of skin	red parti-coloured	red parti-coloured
<input type="checkbox"/>	*Tuber: colour of base of eye	red	red
<input type="checkbox"/>	*Tuber: colour of flesh	light yellow	light yellow

Characteristics Additional to the Descriptor/TG		
Organ/Plant Part: Context	'Chicago'	'Vales Sovereign'
<input type="checkbox"/> Stem: thickness	medium	medium
<input checked="" type="checkbox"/> Tuber: skin smoothness	medium	smooth
<input type="checkbox"/> Stem: hollowness	solid	small
<input checked="" type="checkbox"/> tuber: eyebrows	absent	prominent
<input checked="" type="checkbox"/> stem: wings	medium	large
<input checked="" type="checkbox"/> Flower: persistence	non-persistent	persistent

Prior Applications and Sales

Country	Year	Current Status	Name Applied
United Kingdom	2007	Granted	'Chicago'

First sold in United Kingdom in November 2010.

Description: **John Fennell**, Littlehampton, SA

Details of Application		
Application Number	2014/028	
Variety Name	'Excalibur'	
Genus Species	<i>Solanum tuberosum</i>	
Common Name	Potato	
Synonym	n/a	
Accepted Date	06 March 2014	
Applicant	Cygnet Potato Breeders Ltd, Milnathort, Scotland, UK	
Agent	Elders Rural Services Australia Ltd, Ballarat, VIC.	
Qualified Person	John Fennell	
Details of Comparative Trial		
Location	Waikerie, SA	
Descriptor	Potato <i>Solanum tuberosum</i> UPOV TG/23/6	
Period	October 2014 to March 2015	
Conditions	Plantlets ex-quarantine were raised from tissue cultures and planted into potting mix in 200mm diameter plastic pots on 1 October 2014. Pots were placed on benches in a screened polythene clad greenhouse.	
Trial Design	60 potted plants per variety were arranged in blocks with candidate and comparator next to each other.	
Measurements	Observations of foliage and flowering were taken on 19 November 2014. For the varieties that did not flower the characteristics were compared using published UPOV information. Tuber characteristics were recorded on 6 February 2015. Following storage with illumination the lightsprouts were assessed and photographed on 27 March 2015.	
Origin and Breeding		
Controlled pollination: 'Saxon' x 'Valor' were manually crossed in 1995 at Cambridge, UK. True seed was used to raise individual tubers of the resultant genetically different progeny. Seedling 96C159-023 selected after 11 years of clonal trials in Scotland. Selection was based upon yield, pest and disease resistance, tuber appearance and cooking quality. The variety 'Excalibur' was released in January 2011 when first commercial sale was done. The seed parent differs from 'Excalibur' by having an open tip to the lightsprout. The pollen parent differs by having medium to strong pubescence to the base of the lightsprout. Breeder: Cygnet Potato Breeders Ltd, Milnathort, Scotland, UK.		
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	white
Lightsprout	shape	ovoid
Tuber	skin colour	beige
Tuber	shape	oval to short oval

Tuber	flesh colour	cream		
Most Similar Varieties of Common Knowledge identified (VCK)				
Name	Comments			
'Savannah'				
Varieties of Common Knowledge identified and subsequently excluded				
Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Cabaret'	Plant flowering frequency	high	low	
'Cabaret'	Flower colour	white	pink	

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	'Excalibur'	'Savanna'
<input type="checkbox"/> Lightsprout: size	medium	medium
<input type="checkbox"/> *Lightsprout: shape	ovoid	ovoid
<input checked="" type="checkbox"/> *Lightsprout: intensity of anthocyanin colouration	medium	absent or very weak
<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	absent or very weak	absent or very weak
<input type="checkbox"/> Lightsprout: size of tip in relation to base	small	small
<input checked="" type="checkbox"/> Lightsprout: habit of tip	closed	intermediate
<input type="checkbox"/> Lightsprout: anthocyanin colouration of tip	weak	absent or very weak
<input type="checkbox"/> Lightsprout: pubescence of tip	absent or very weak	weak
<input type="checkbox"/> *Lightsprout: number of root tips	many	medium
<input type="checkbox"/> Lightsprout: length of lateral shoots	short	medium
<input type="checkbox"/> Plant: foliage structure	intermediate type	intermediate type
<input type="checkbox"/> *Plant: growth habit	semi-upright	upright to semi-upright
<input checked="" type="checkbox"/> *Stem: anthocyanin colouration	medium	weak
<input type="checkbox"/> Leaf: outline size	medium	medium to large
<input checked="" type="checkbox"/> Leaf: openness	intermediate	open
<input checked="" type="checkbox"/> Leaf: presence of secondary leaflets	strong	medium
<input type="checkbox"/> Leaf: green colour	light to medium	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: size	medium to large	medium
<input type="checkbox"/>	Second pair of lateral leaflets: width in relation to length	narrow to medium	medium
<input type="checkbox"/>	Terminal and lateral leaflets: frequency of coalescence	absent or very low	low
<input checked="" type="checkbox"/>	Leaflet: waviness of margin	very weak to weak	medium
<input type="checkbox"/>	Leaflet: depth of veins	medium	medium to deep
<input type="checkbox"/>	Leaflet: glossiness of the upper side	dull to medium	dull to medium
<input type="checkbox"/>	Flower bud: anthocyanin colouration	absent or very weak	absent or very weak
<input checked="" type="checkbox"/>	Plant: height	medium	tall
<input checked="" type="checkbox"/>	*Plant: frequency of flowers	high	very low to low
<input checked="" type="checkbox"/>	Inflorescence: size	large	small
<input type="checkbox"/>	Inflorescence: anthocyanin colouration on peduncle	weak	very weak to weak
<input type="checkbox"/>	Flower corolla: size	medium to large	small
<input type="checkbox"/>	*Flower corolla: intensity of anthocyanin colouration on inner side	absent or very weak	absent or very weak
<input type="checkbox"/>	*Flower corolla: proportion of blue in anthocyanin colouration on inner side	absent or low	absent or low
<input type="checkbox"/>	*Flower corolla: extent of anthocyanin colouration on inner side	absent or very small	absent or very small
<input type="checkbox"/>	*Plant: time of maturity	late	medium
<input type="checkbox"/>	*Tuber: shape	oval	oval
<input type="checkbox"/>	Tuber: depth of eyes	shallow	shallow
<input type="checkbox"/>	*Tuber: colour of skin	light beige	light beige
<input type="checkbox"/>	*Tuber: colour of base of eye	white	white
<input type="checkbox"/>	*Tuber: colour of flesh	cream	cream
<input type="checkbox"/>	Tuber: anthocyanin colouration of skin in reaction to light	absent or very weak	medium

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Excalibur'	'Savannah'
<input type="checkbox"/> Stem: thickness	medium	thick
<input type="checkbox"/> Tuber: skin smoothness	smooth	smooth
<input type="checkbox"/> Stem: hollowness	medium	medium

<input type="checkbox"/> Tuber: eyebrows	small	small
<input checked="" type="checkbox"/> Stem: wings	medium	small
<input type="checkbox"/> Flower: persistence	persistent	persistent

Prior Applications and Sales

Country	Year	Current Status	Name Applied
United Kingdom	2005	Granted	'Excalibur'

First sold in United Kingdom in January 2011.

Description: **John Fennell**, Littlehampton, SA

Details of Application		
Application Number	2014/023	
Variety Name	'Olympus'	
Genus Species	<i>Solanum tuberosum</i>	
Common Name	Potato	
Synonym	n/a	
Accepted Date	21 February 2014	
Applicant	Higgins Agriculture Ltd, Doncaster, UK	
Agent	Dowling Agritech, Mt Gambier East, SA	
Qualified Person	John Fennell	
Details of Comparative Trial		
Location	Waikerie, SA	
Descriptor	Potato <i>Solanum tuberosum</i> UPOV TG/23/6	
Period	October 2014 to March 2015	
Conditions	Plantlets ex-quarantine were raised from tissue cultures and planted into potting mix in 200mm diameter plastic pots on 1 October 2014. Pots were placed on benches in a screened polythene clad greenhouse.	
Trial Design	60 potted plants per variety were arranged in blocks with candidate and comparator next to each other.	
Measurements	Observations of foliage and flowering were taken on 19 November 2014. For the varieties that did not flower the characteristics were compared using published UPOV information. Tuber characteristics were recorded on 6 February 2015. Following storage with illumination the lightsprouts were assessed and photographed on 27 March 2015.	
Origin and Breeding		
Controlled pollination: 'Atlantic' x '12601ab1' were manually crossed in 1999 at Elgin, Scotland, UK. True seed was used to raise individual tubers of the resultant genetically different progeny. Seedling '97-HIG-127.2' selected after 3 years of clonal trials in Scotland. Selection was based upon yield, tuber shape, storage and crisping potential. The variety 'Olympus' has not been released for commercial sale. The seed parent differs from 'Olympus' by having earlier maturity and less blue-violet in the lightsprout. The pollen parent differs by having oval tuber shape. Breeder: Higgins Agriculture Ltd., Doncaster, UK.		
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	pink
Tuber	skin colour	beige
Tuber	shape	short oval to round
Tuber	flesh colour	white to cream

Most Similar Varieties of Common Knowledge identified (VCK)	
Name	Comments
'Atlantic	seed 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	'Olympus'	'Atlantic'
<input checked="" type="checkbox"/> Lightsprout: size	small	medium
<input type="checkbox"/> *Lightsprout: shape	ovoid	ovoid
<input checked="" type="checkbox"/> *Lightsprout: intensity of anthocyanin colouration	very strong	medium
<input checked="" type="checkbox"/> *Lightsprout: proportion of blue in anthocyanin colouration of base	high	medium
<input type="checkbox"/> *Lightsprout: pubescence of base	strong	medium to strong
<input checked="" type="checkbox"/> Lightsprout: size of tip in relation to base	small	medium
<input type="checkbox"/> Lightsprout: habit of tip	intermediate	closed to intermediate
<input checked="" type="checkbox"/> Lightsprout: anthocyanin colouration of tip	medium to strong	absent or very weak
<input checked="" type="checkbox"/> Lightsprout: pubescence of tip	strong	weak to medium
<input type="checkbox"/> *Lightsprout: number of root tips	medium	medium
<input type="checkbox"/> Lightsprout: length of lateral shoots	short	short to medium
<input type="checkbox"/> Plant: foliage structure	intermediate type	intermediate type
<input type="checkbox"/> *Plant: growth habit	semi-upright	semi-upright
<input checked="" type="checkbox"/> *Stem: anthocyanin colouration	strong	weak
<input checked="" type="checkbox"/> Leaf: outline size	large	medium
<input checked="" type="checkbox"/> Leaf: openness	closed to intermediate	intermediate to open
<input type="checkbox"/> Leaf: presence of secondary leaflets	strong	strong
<input type="checkbox"/> Leaf: green colour	medium	light to medium
<input checked="" type="checkbox"/> Leaf: anthocyanin colouration on midrib of upper side	medium	weak
<input type="checkbox"/> Second pair of lateral leaflets: size	medium to large	medium
<input checked="" type="checkbox"/> Second pair of lateral leaflets: width in relation to length	broad	medium
<input checked="" type="checkbox"/> Terminal and lateral leaflets: frequency of coalescence	low	absent or very low

<input type="checkbox"/>	Leaflet: waviness of margin	absent or very weak	weak
<input type="checkbox"/>	Leaflet: depth of veins	medium to deep	medium to deep
<input type="checkbox"/>	Leaflet: glossiness of the upperside	dull	dull to medium
<input checked="" type="checkbox"/>	Flower bud: anthocyanin colouration	strong	medium
<input type="checkbox"/>	Plant: height	medium to tall	medium
<input checked="" type="checkbox"/>	*Plant: frequency of flowers	high	medium
<input type="checkbox"/>	Inflorescence: size	medium to large	small to medium
<input checked="" type="checkbox"/>	Inflorescence: anthocyanin colouration on peduncle	strong	absent or very weak
<input type="checkbox"/>	Flower corolla: size	large	small
<input type="checkbox"/>	*Flower corolla: intensity of anthocyanin colouration on inner side	strong	medium
<input checked="" type="checkbox"/>	*Flower corolla: proportion of blue in anthocyanin colouration on inner side	medium	absent or low
<input type="checkbox"/>	*Flower corolla: extent of anthocyanin colouration on inner side	large	medium
<input type="checkbox"/>	*Plant: time of maturity	early	medium
<input type="checkbox"/>	*Tuber: shape	round	round
<input type="checkbox"/>	Tuber: depth of eyes	medium	medium
<input type="checkbox"/>	*Tuber: colour of skin	light beige	light beige
<input type="checkbox"/>	*Tuber: colour of base of eye	white	white
<input checked="" type="checkbox"/>	*Tuber: colour of flesh	cream	white
<input type="checkbox"/>	Tuber: anthocyanin colouration of skin in reaction to light	weak	absent or very weak

Characteristics Additional to the Descriptor/TG		
Organ/Plant Part: Context	'Olympus'	'Atlantic'
<input checked="" type="checkbox"/> Stem: thickness	medium	thick
<input checked="" type="checkbox"/> Stem: hollowness	solid	medium
<input type="checkbox"/> Tuber: eyebrows	absent	small
<input checked="" type="checkbox"/> Stem: wings	medium	small

Prior Applications and Sales

Country	Year	Current Status	Name Applied
European Union	2012	Granted	'Olympus'

Description: **John Fennell**, Littlehampton, SA

Details of Application		
Application Number	2014/021	
Variety Name	'Laperla'	
Genus Species	<i>Solanum tuberosum</i>	
Common Name	Potato	
Synonym	n/a	
Accepted Date	27 February 2014	
Applicant	Ijsselmeerpolders BV, Emmeloord, The Netherlands	
Agent	Elders Rural Services Australia Ltd, Ballarat, VIC.	
Qualified Person	John Fennell	
Details of Comparative Trial		
Location	Waikerie, SA	
Descriptor	Potato <i>Solanum tuberosum</i> UPOV TG/23/6	
Period	October 2014 to March 2015	
Conditions	Plantlets ex-quarantine were raised from tissue cultures and planted into potting mix in 200mm diameter plastic pots on 1 October 2014. Pots were placed on benches in a screened polythene clad greenhouse.	
Trial Design	60 potted plants per variety were arranged in blocks with candidate and comparator next to each other.	
Measurements	Observations of foliage and flowering were taken on 19 November 2014. For the varieties that did not flower the characteristics were compared using published UPOV information. Tuber characteristics were recorded on 6 February 2015. Following storage with illumination the lightsprouts were assessed and photographed on 27 March 2015.	
Origin and Breeding		
Controlled pollination: 'Valor' x 'Minerva' were manually crossed in 1998 at Emmeloord, The Netherlands. True seed was used to raise individual tubers of the resultant genetically different progeny. Seedling YP99-153 selected after 10 years of clonal trials in The Netherlands. Selection was based upon yield, tuber shape, uniformity, skin and flesh colour, internal quality and resistance to pests and diseases. The variety 'Laperla' was released on 15 March 2010 when first commercial sale was done. The seed parent differs from 'Laperla' by conical shaped lightsprout, white tuber flesh and tall plant height. The pollen parent differs by ovoid shaped and blue-violet lightsprout. Breeder: Ijsselmeerpolders BV, Emmeloord, The Netherlands.		
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	height	medium
Tuber	skin colour	yellow
Tuber	shape	short oval
Tuber	flesh colour	Light yellow

Most Similar Varieties of Common Knowledge identified (VCK)					
Name			Comments		
'Emma'					
Varieties of Common Knowledge identified and subsequently excluded					
Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Daisy'	Light-sprout	shape	spherical	ovoid	
'Daisy'	tuber	shape	short oval	oval	

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	'Laperla'	'Emma'
<input type="checkbox"/> Lightsprout: size	medium to large	medium
<input checked="" type="checkbox"/> *Lightsprout: shape	spherical	narrow cylindrical
<input checked="" type="checkbox"/> *Lightsprout: intensity of anthocyanin colouration	weak to medium	strong
<input checked="" type="checkbox"/> *Lightsprout: proportion of blue in anthocyanin colouration of base	absent or low	high
<input checked="" type="checkbox"/> *Lightsprout: pubescence of base	absent or very weak	strong
<input checked="" type="checkbox"/> Lightsprout: size of tip in relation to base	medium	small
<input type="checkbox"/> Lightsprout: habit of tip	intermediate to open	intermediate
<input checked="" type="checkbox"/> Lightsprout: anthocyanin colouration of tip	very weak to weak	strong
<input checked="" type="checkbox"/> Lightsprout: pubescence of tip	medium	strong
<input checked="" type="checkbox"/> *Lightsprout: number of root tips	medium	medium
<input type="checkbox"/> Lightsprout: length of lateral shoots	short	medium
<input checked="" type="checkbox"/> Plant: foliage structure	leaf type	intermediate type
<input checked="" type="checkbox"/> *Plant: growth habit	spreading	semi-upright
<input checked="" type="checkbox"/> *Stem: anthocyanin colouration	weak	strong
<input type="checkbox"/> Leaf: outline size	medium to large	medium
<input type="checkbox"/> Leaf: openness	intermediate	intermediate to open
<input checked="" type="checkbox"/> Leaf: presence of secondary leaflets	strong	medium
<input type="checkbox"/> Leaf: green colour	light to medium	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: size	medium	medium
<input type="checkbox"/> Second pair of lateral leaflets: width in relation to length	medium	medium

<input checked="" type="checkbox"/>	Terminal and lateral leaflets: frequency of coalescence	high	medium
<input checked="" type="checkbox"/>	Leaflet: waviness of margin	strong	medium
<input type="checkbox"/>	Leaflet: depth of veins	medium	medium
<input type="checkbox"/>	Leaflet: glossiness of the upper side	medium	medium
<input checked="" type="checkbox"/>	Flower bud: anthocyanin colouration	strong	absent or very weak
<input type="checkbox"/>	Plant: height	medium	medium to tall
<input checked="" type="checkbox"/>	*Plant: frequency of flowers	medium to high	absent or very low
<input type="checkbox"/>	Inflorescence: size	medium to large	small
<input type="checkbox"/>	Inflorescence: anthocyanin colouration on peduncle	medium to strong	absent or very weak
<input type="checkbox"/>	Flower corolla: size	medium to large	medium
<input type="checkbox"/>	*Flower corolla: intensity of anthocyanin colouration on inner side	medium to strong	absent or very weak
<input type="checkbox"/>	*Flower corolla: proportion of blue in anthocyanin colouration on inner side	absent or low	absent or low
<input type="checkbox"/>	*Flower corolla: extent of anthocyanin colouration on inner side	medium	absent or very small
<input type="checkbox"/>	*Plant: time of maturity	very early to early	early
<input type="checkbox"/>	*Tuber: shape	short-oval	short-oval
<input type="checkbox"/>	Tuber: depth of eyes	shallow to medium	shallow
<input type="checkbox"/>	*Tuber: colour of skin	yellow	yellow
<input type="checkbox"/>	*Tuber: colour of base of eye	yellow	yellow
<input type="checkbox"/>	*Tuber: colour of flesh	light yellow	light yellow
<input checked="" type="checkbox"/>	Tuber: anthocyanin colouration of skin in reaction to light	absent or very weak	medium

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Dakota Trailblazer'	'Russet Burbank'
<input type="checkbox"/> Stem: thickness	medium	medium
<input type="checkbox"/> Tuber: skin smoothness	smooth	smooth
<input type="checkbox"/> Stem: hollowness	small	small
<input type="checkbox"/> Tuber: eyebrows	medium	medium
<input checked="" type="checkbox"/> Stem: wings	medium	small

Prior Applications and Sales

Country	Year	Current Status	Name Applied
Netherlands	2007	Granted	'Laperla'
European Union	2010	Granted	'Laperla'

First sold in Germany in March 2010.

Description: **John Fennell**, Littlehampton, SA

Details of Application		
Application Number	2013/255	
Variety Name	'Marguerite'	
Genus Species	<i>Solanum tuberosum</i>	
Common Name	Potato	
Synonym	n/a	
Accepted Date	22 November 2013	
Applicant	Agriculture Victoria Services Pty Ltd, Attwood, VIC	
Agent	Elders Rural Services Ltd, Ballarat, VIC.	
Qualified Person	John Fennell	
Details of Comparative Trial		
Location	Waikerie, SA	
Descriptor	Potato <i>Solanum tuberosum</i> UPOV TG/23/6	
Period	October 2014 to March 2015	
Conditions	Plantlets ex-quarantine were raised from tissue cultures and planted into potting mix in 200mm diameter plastic pots on 1 October 2014. Pots were placed on benches in a screened polythene clad greenhouse.	
Trial Design	60 potted plants per variety were arranged in blocks with candidate and comparator next to each other.	
Measurements	Observations of foliage and flowering were taken on 19 November 2014. For the varieties that did not flower the characteristics were compared using published UPOV information. Tuber characteristics were recorded on 6 February 2015. Following storage with illumination the lightsprouts were assessed and photographed on 27 March 2015.	
Origin and Breeding		
Controlled pollination: 'Nadine' x '93-37-3' were manually crossed in 2004 at Toolangi, VIC. True seed was used to raise individual tubers of the resultant genetically different progeny. Seedling 03-19-3 selected after 9 years of clonal trials in Victoria. Selection was based upon yield performance in a number of environments, maturity, pest and disease resistance, tuber appearance and cooking quality. The variety 'Marguerite' has not been sold commercially. The seed parent differs from Marguerite by having earlier maturity and red-violet flowers. Breeder: DEPI Victoria, Toolangi, VIC.		
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
Tuber	shape	short oval to oval
Tuber	skin colour	white to light beige
Tuber	flesh colour	cream
Most Similar Varieties of Common Knowledge identified (VCK)		
Name	Comments	

'Nadine'		seed 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
'Sebago'	Flower	colour	blue violet	red violet	
'Moonlight'	Flower	colour	solid blue violet	white tipped	
'Harmony'	Flower	colour	blue violet	red violet	
'Valor'	Flower	colour	blue violet	red violet	
'Coliban'	Flower	colour	blue violet	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	'Marguerite'	'Nadine'
<input checked="" type="checkbox"/> Lightsprout: size	medium to large	small
<input checked="" type="checkbox"/> *Lightsprout: shape	narrow cylindrical	conical
<input type="checkbox"/> *Lightsprout: intensity of anthocyanin colouration	very strong	medium to strong
<input checked="" type="checkbox"/> *Lightsprout: proportion of blue in anthocyanin colouration of base	high	absent or low
<input type="checkbox"/> *Lightsprout: pubescence of base	very weak to weak	weak
<input type="checkbox"/> Lightsprout: size of tip in relation to base	medium	medium
<input type="checkbox"/> Lightsprout: habit of tip	closed	closed to intermediate
<input checked="" type="checkbox"/> Lightsprout: anthocyanin colouration of tip	very strong	medium
<input type="checkbox"/> Lightsprout: pubescence of tip	medium	strong
<input type="checkbox"/> *Lightsprout: number of root tips	medium	few
<input type="checkbox"/> Lightsprout: length of lateral shoots	short	short
<input type="checkbox"/> Plant: foliage structure	intermediate type	intermediate type
<input type="checkbox"/> *Plant: growth habit	semi-upright	semi-upright
<input checked="" type="checkbox"/> *Stem: anthocyanin colouration	strong	weak
<input checked="" type="checkbox"/> Leaf: outline size	large	small
<input type="checkbox"/> Leaf: openness	closed to intermediate	intermediate
<input checked="" type="checkbox"/> Leaf: presence of secondary leaflets	strong	weak to medium

<input type="checkbox"/> Leaf: green colour	light to medium	light to medium
<input type="checkbox"/> Leaf: anthocyanin colouration on midrib of upper side	weak	weak
<input checked="" type="checkbox"/> Second pair of lateral leaflets: size	large	small to medium
<input type="checkbox"/> Second pair of lateral leaflets: width in relation to length	medium	narrow to medium
<input checked="" type="checkbox"/> Terminal and lateral leaflets: frequency of coalescence	medium	low
<input type="checkbox"/> Leaflet: waviness of margin	weak	weak to medium
<input type="checkbox"/> Leaflet: depth of veins	medium to deep	shallow to medium
<input type="checkbox"/> Leaflet: glossiness of the upperside	medium	dull to medium
<input type="checkbox"/> Flower bud: anthocyanin colouration	absent or very weak	medium to strong
<input checked="" type="checkbox"/> Plant: height	tall	short to medium
<input checked="" type="checkbox"/> *Plant: frequency of flowers	medium	absent or very low
<input type="checkbox"/> Inflorescence: size	large	-
<input type="checkbox"/> Inflorescence: anthocyanin colouration on peduncle	weak	-
<input type="checkbox"/> Flower corolla: size	medium to large	-
<input type="checkbox"/> *Flower corolla: intensity of anthocyanin colouration on inner side	weak	-
<input type="checkbox"/> *Flower corolla: proportion of blue in anthocyanin colouration on inner side	absent or low	-
<input type="checkbox"/> *Flower corolla: extent of anthocyanin colouration on inner side	small	-
<input type="checkbox"/> *Plant: time of maturity	medium	medium
<input type="checkbox"/> *Tuber: shape	oval	oval
<input type="checkbox"/> Tuber: depth of eyes	medium	shallow to medium
<input type="checkbox"/> *Tuber: colour of skin	light beige	light beige
<input type="checkbox"/> *Tuber: colour of base of eye	white	white
<input checked="" type="checkbox"/> *Tuber: colour of flesh	cream	white

Characteristics Additional to the Descriptor/TG
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Organ/Plant Part: Context	'Marguerite'	'Nadine'
<input checked="" type="checkbox"/> Stem: thickness	thick	thin
<input checked="" type="checkbox"/> Tuber: skin smoothness	medium	smooth
<input checked="" type="checkbox"/> Stem: hollowness	small	solid
<input type="checkbox"/> Tuber: eyebrows	medium	medium
<input checked="" type="checkbox"/> Stem: wings	large	small

Prior Applications and Sales

Nil.

Description: **John Fennell**, Littlehampton, SA

Details of Application		
Application Number	2012/071	
Variety Name	'Bafana'	
Genus Species	<i>Solanum tuberosum</i>	
Common Name	Potato	
Synonym	n/a	
Accepted Date	27 April 2012	
Applicant	KWS POTATO B.V., Emmeloord, The Netherlands	
Agent	Dowling AgriTech, Mount Gambier East, SA	
Qualified Person	John Fennell	
Details of Comparative Trial		
Location	Waikerie, SA	
Descriptor	Potato <i>Solanum tuberosum</i> UPOV TG/23/6	
Period	October 2014 to March 2015	
Conditions	Plantlets ex-quarantine were raised from tissue cultures and planted into potting mix in 200mm diameter plastic pots on 1 October 2014. Pots were placed on benches in a screened polythene clad greenhouse.	
Trial Design	60 potted plants per variety were arranged in blocks with candidate and comparator next to each other.	
Measurements	Observations of foliage and flowering were taken on 19 November 2014. For the varieties that did not flower the characteristics were compared using published UPOV information. Tuber characteristics were recorded on 6 February 2015. Following storage with illumination the lightsprouts were assessed and photographed on 27 March 2015.	
Origin and Breeding		
Controlled pollination: 'Victoria' x 'Felsina' were manually crossed in 1998 at Emmeloord, The Netherlands. True seed was used to raise individual tubers of the resultant genetically different progeny. Seedling VR 98-1077 selected after 11 years of clonal trials in The Netherlands. Selection was based upon yield, pest and disease resistance and tuber quality. The variety 'Bafana' was released in 2009 when first commercial sale was done. The seed parent differs from 'Bafana' by having yellow tuber flesh. The pollen parent differs by having light yellow tuber flesh. Breeder: KWS POTATO BV, Emmeloord, The Netherlands.		
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
Lightsprout	shape	ovoid
Flower	colour	white
Tuber	shape	long oval to long
Tuber	skin colour	yellow
Most Similar Varieties of Common Knowledge identified (VCK)		

Name		Comments			
'Spunta'					
Varieties of Common Knowledge identified and subsequently excluded					
Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Chellah'	plant	habit	intermediate	upright	
'Chellah'	tuber	shape	long oval	oval	
'Chellah'	tuber	flesh colour	white	cream	
'Kennebec'	light-sprout	intensity of anthocyanin of base	medium to strong	absent or very weak	
'Morene'	tuber	flesh colour	white	cream	
'Morene'	second pair of lateral leaflets	width	medium	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	'Bafana'	'Spunta'
<input type="checkbox"/> Lightsprout: size	medium	medium to large
<input type="checkbox"/> *Lightsprout: shape	ovoid	ovoid
<input type="checkbox"/> *Lightsprout: intensity of anthocyanin colouration	medium to strong	medium
<input checked="" type="checkbox"/> *Lightsprout: proportion of blue in anthocyanin colouration of base	absent or low	high
<input type="checkbox"/> *Lightsprout: pubescence of base	medium to strong	medium
<input type="checkbox"/> Lightsprout: size of tip in relation to base	small to medium	medium
<input type="checkbox"/> Lightsprout: habit of tip	intermediate to open	intermediate
<input checked="" type="checkbox"/> Lightsprout: anthocyanin colouration of tip	weak to medium	strong
<input type="checkbox"/> Lightsprout: pubescence of tip	medium	medium
<input type="checkbox"/> *Lightsprout: number of root tips	medium	many
<input checked="" type="checkbox"/> Lightsprout: length of lateral shoots	short	medium
<input type="checkbox"/> Plant: foliage structure	intermediate type	intermediate type
<input type="checkbox"/> *Plant: growth habit	upright to semi-upright	semi-upright

<input checked="" type="checkbox"/> *Stem: anthocyanin colouration	weak	strong
<input type="checkbox"/> Leaf: outline size	large	medium to large
<input checked="" type="checkbox"/> Leaf: openness	closed to intermediate	intermediate to open
<input checked="" type="checkbox"/> Leaf: presence of secondary leaflets	strong	medium
<input type="checkbox"/> Leaf: green colour	medium	light to medium
<input type="checkbox"/> Leaf: anthocyanin colouration on midrib of upper side	very weak to weak	absent or very weak
<input type="checkbox"/> Second pair of lateral leaflets: size	medium to large	medium
<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	low	low
<input type="checkbox"/> Leaflet: waviness of margin	absent or very weak	weak
<input type="checkbox"/> Leaflet: depth of veins	medium	medium to deep
<input type="checkbox"/> Leaflet: glossiness of the upperside	dull	medium
<input type="checkbox"/> Flower bud: anthocyanin colouration	weak	medium
<input type="checkbox"/> Plant: height	medium to tall	medium
<input type="checkbox"/> *Plant: frequency of flowers	medium to high	medium
<input type="checkbox"/> Inflorescence: size	medium	medium
<input type="checkbox"/> Inflorescence: anthocyanin colouration on peduncle	absent or very weak	absent or very weak
<input type="checkbox"/> Flower corolla: size	small to medium	medium
<input type="checkbox"/> *Flower corolla: intensity of anthocyanin colouration on inner side	absent or very weak	absent or very weak
<input type="checkbox"/> *Flower corolla: proportion of blue in anthocyanin colouration on inner side	absent or low	absent or low
<input type="checkbox"/> *Flower corolla: extent of anthocyanin colouration on inner side	absent or very small	absent or very small
<input type="checkbox"/> *Plant: time of maturity	medium to late	medium to late
<input type="checkbox"/> *Tuber: shape	long-oval	long
<input type="checkbox"/> Tuber: depth of eyes	shallow to medium	medium
<input type="checkbox"/> *Tuber: colour of skin	yellow	yellow
<input type="checkbox"/> *Tuber: colour of base of eye	yellow	yellow
<input checked="" type="checkbox"/> *Tuber: colour of flesh	white	light yellow

<input type="checkbox"/> Tuber: anthocyanin colouration of skin in reaction to light)	medium	-
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Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Bafana'	'Spunta'
<input checked="" type="checkbox"/> Stem: thickness	thick	medium
<input type="checkbox"/> Tuber: skin smoothness	smooth	smooth to medium
<input checked="" type="checkbox"/> Stem: hollowness	small	medium
<input type="checkbox"/> Tuber: eyebrows	prominent	prominent
<input type="checkbox"/> Stem: wings	small	small

Prior Applications and Sales

Country	Year	Current Status	Name Applied
Netherlands	2006	Granted	'Bafana'
European Union	2008	Granted	'Bafana'

First sold in Netherlands in November 2009.

Description: **John Fennell**, Littlehampton, SA

Details of Application		
Application Number	2014/191	
Variety Name	'Teardrop'	
Genus Species	<i>Solanum tuberosum</i>	
Common Name	Potato	
Synonym		
Accepted Date	28 August 2014	
Applicant	Agriculture Victoria Services Pty Ltd, Attwood, VIC	
Agent		
Qualified Person	John Fennell	
Details of Comparative Trial		
Location	Waikerie, SA	
Descriptor	Potato <i>Solanum tuberosum</i> UPOV TG/23/6	
Period	October 2014 to March 2015	
Conditions	Plantlets ex-quarantine were raised from tissue cultures and planted into potting mix in 200mm diameter plastic pots on 1 October 2014. Pots were placed on benches in a screened polythene clad greenhouse.	
Trial Design	60 potted plants per variety were arranged in blocks with candidate and comparator next to each other.	
Measurements	Observations of foliage and flowering were taken on 19 November 2014. For the varieties that did not flower the characteristics were compared using published UPOV information. Tuber characteristics were recorded on 6 February 2015. Following storage with illumination the lightsprouts were assessed and photographed on 27 March 2015.	
Origin and Breeding		
Controlled pollination: 'King Edward' x 'BF 15' were manually crossed in 2004 at Toolangi, VIC. True seed was used to raise individual tubers of the resultant genetically different progeny. Seedling '02-25-2' selected after 10 years of clonal trials in several locations in Australia. Selection was based upon yield, pest and disease resistance, tuber appearance and cooking quality. The variety 'Teardrop' was released in August 2013 when first commercial sale was done. The seed parent differs from 'Teardrop' by having oval tuber shape. The pollen parent differs by not being parti-coloured. Breeder: DEPI Victoria, Toolangi, VIC.		
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	pink
Lightsprout	shape	narrow cylindrical
Tuber	skin colour	red particoloured
Tuber	flesh colour	cream
Most Similar Varieties of Common Knowledge identified (VCK)		

Name		Comments			
'King Edward'		seed 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
'Kestrel'	Tuber	skin colour	red parti-coloured	purple parti-coloured	
'Pink Fir Apple'	Tuber	shape	long pear shape	extremely long	
'Kipfler''	Tuber	skin colour	red parti-coloured	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	'Teardrop'	'King Edward'
<input type="checkbox"/> Lightsprout: size	medium to large	large
<input type="checkbox"/> *Lightsprout: shape	narrow cylindrical	narrow cylindrical
<input checked="" type="checkbox"/> *Lightsprout: intensity of anthocyanin colouration	strong	weak to medium
<input checked="" type="checkbox"/> *Lightsprout: proportion of blue in anthocyanin colouration of base	medium	absent or low
<input type="checkbox"/> *Lightsprout: pubescence of base	weak	very weak to weak
<input checked="" type="checkbox"/> Lightsprout: size of tip in relation to base	large	small
<input checked="" type="checkbox"/> Lightsprout: habit of tip	open	closed
<input checked="" type="checkbox"/> Lightsprout: anthocyanin colouration of tip	weak to medium	strong
<input type="checkbox"/> Lightsprout: pubescence of tip	medium	weak
<input checked="" type="checkbox"/> *Lightsprout: number of root tips	medium	few
<input type="checkbox"/> Lightsprout: length of lateral shoots	short to medium	short
<input checked="" type="checkbox"/> Plant: foliage structure	leaf type	stem type
<input type="checkbox"/> *Plant: growth habit	semi-upright	semi-upright
<input type="checkbox"/> *Stem: anthocyanin colouration	weak	weak
<input type="checkbox"/> Leaf: outline size	small	small to medium
<input checked="" type="checkbox"/> Leaf: openness	closed	intermediate

<input type="checkbox"/>	Leaf: presence of secondary leaflets	strong	strong
<input type="checkbox"/>	Leaf: green colour	medium	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: size	very small	small
<input type="checkbox"/>	Second pair of lateral leaflets: width in relation to length	narrow	narrow
<input type="checkbox"/>	Terminal and lateral leaflets: frequency of coalescence	absent or very low	absent or very low
<input checked="" type="checkbox"/>	Leaflet: waviness of margin	medium	strong
<input type="checkbox"/>	Leaflet: depth of veins	deep	medium to deep
<input type="checkbox"/>	Leaflet: glossiness of the upperside	medium to glossy	medium
<input checked="" type="checkbox"/>	Flower bud: anthocyanin colouration	absent or very weak	strong
<input type="checkbox"/>	Plant: height	medium	medium
<input type="checkbox"/>	*Plant: frequency of flowers	medium	high
<input type="checkbox"/>	Inflorescence: size	small	small
<input type="checkbox"/>	Inflorescence: anthocyanin colouration on peduncle	absent or very weak	absent or very weak
<input type="checkbox"/>	Flower corolla: size	small to medium	small to medium
<input checked="" type="checkbox"/>	*Flower corolla: intensity of anthocyanin colouration on inner side	weak to medium	strong
<input type="checkbox"/>	*Flower corolla: proportion of blue in anthocyanin colouration on inner side	absent or low	absent or low
<input type="checkbox"/>	*Flower corolla: extent of anthocyanin colouration on inner side	medium	medium to large
<input type="checkbox"/>	*Plant: time of maturity	medium	medium
<input type="checkbox"/>	*Tuber: shape	long-oval	long-oval
<input type="checkbox"/>	Tuber: depth of eyes	shallow to medium	shallow to medium
<input type="checkbox"/>	*Tuber: colour of skin	red parti-coloured	red parti-coloured
<input type="checkbox"/>	*Tuber: colour of base of eye	red	red
<input type="checkbox"/>	*Tuber: colour of flesh	cream	cream

Characteristics Additional to the Descriptor/TG		
Organ/Plant Part: Context	'Teardrop'	'King Edward'
<input checked="" type="checkbox"/> Stem: thickness	medium	thin
<input type="checkbox"/> Tuber: skin smoothness	smooth	smooth to medium
<input checked="" type="checkbox"/> Stem: hollowness	large	small
<input checked="" type="checkbox"/> Tuber: eyebrows	small	medium
<input checked="" type="checkbox"/> Stem: wings	small	small

Prior Applications and Sales

First sold in Australia in August 2013.

Description: **John Fennell**, Littlehampton, SA

Details of Application		
Application Number	2012/274	
Variety Name	'DrisRaspSix'	
Genus Species	<i>Rubus idaeus</i>	
Common Name	Raspberry	
Synonym	Nil	
Accepted Date	17 Apr 2014	
Applicant	Driscoll Strawberry Associates, Inc., Watsonville, CA	
Agent	Phillips Ormonde & Fitzpatrick, Melbourne, VIC	
Qualified Person	Margaret Zorin	
Details of Comparative Trial		
Overseas Testing Authority	United States Patent & Trademark Office (USPTO)	
Overseas Data Reference Number	PP25044	
Location	Ventura California, USA	
Descriptor	Raspberry (<i>Rubus idaeus</i>) UPOV TG/43/7	
Period	2003-2011	
Conditions	Traditional commercial raspberry production criteria were used including asexually propagated plants (by stolons or tissue culture) at a nursery in Ventura, California USA for nine years. Plants were trellised and harvested as both primocanes (approximately 6 months after planting) and floricanes (approximately seventeen months after planting).	
Trial Design	Asexual propagation of plants of 'DrisRaspSix', 'Driscoll Maravilla' and 'Driscoll Francesca' were compared in rows in the field.	
Measurements	Observations were made in Ventura, California over the period 2003-2011. This description is in accordance with UPOV terminology. Colour designations, descriptions and phenotypic descriptions may deviate from the stated values and descriptions depending on variation in environmental, seasonal, climatic and cultural conditions.	
RHS Chart - edition	n/a	
Origin and Breeding		
Controlled pollination: This new variety originated as a result of cross pollination between the proprietary female parent 'Driscoll Maravilla' and the proprietary pollen parent 'Driscoll Francesca' and was discovered as a seedling in 2004. The variety has remained stable and true to type over several generations. Breeders: Brian K Hamilton, Carlos D Fear, Richard E Harrison, Miguel Ahumada and Mattias Vitten all employees 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		
Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	habit	semi-erect

Very young shoot	anthocyanin colouration of apex during rapid growth	present
Spines	presence	present
Fruit	shape	broad conical
Fruit	main bearing type	both previous years cane in summer and current years cane in autumn
Most Similar Varieties of Common Knowledge identified (VCK)		
Name	Comments	
'Driscoll Maravilla'		
'Driscoll Francesca'		

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	'DrisRaspSix'	'Driscoll Francesca'	'Driscoll Maravilla'
<input type="checkbox"/> Plant: habit	semi-upright	semi-upright	semi-upright
<input type="checkbox"/> *Plant: number of current season's canes	medium	medium	medium
<input type="checkbox"/> *Very young shoot: anthocyanin colouration of apex during rapid growth	present	present	present
<input checked="" type="checkbox"/> *Very young shoot: intensity of anthocyanin colouration of apex during rapid growth	weak	weak	medium
<input checked="" type="checkbox"/> Current season's cane: bloom	medium	strong	weak
<input type="checkbox"/> Current season's cane: anthocyanin colouration	medium	-	medium
<input checked="" type="checkbox"/> Current season's cane: length of internode	very long	short	medium to long
<input checked="" type="checkbox"/> Current season's cane: length of vegetative bud	long	short	medium
<input type="checkbox"/> *Dormant cane: length (varieties which fruit on previous season's cane in summer)	medium	medium	medium to long
<input type="checkbox"/> *Current season's cane: length (varieties which fruit on current season's cane in autumn)	medium	medium	medium to long
<input type="checkbox"/> *Dormant cane: colour (varieties which fruit on previous season's cane in summer)	brown	purplish brown	purplish brown
<input type="checkbox"/> *Spines: presence	present	present	present
<input checked="" type="checkbox"/> *Spines: density (varieties with spines present only)	sparse	medium	medium

<input type="checkbox"/> Spines: size of base (varieties with spines present only)	small	small	small
<input type="checkbox"/> Spines: length (varieties with spines present only)	very short	short	short
<input type="checkbox"/> Spines: colour (varieties with spines present only)	brown	purplish brown	purple
<input type="checkbox"/> *Leaf: green colour of upper side	dark	dark to very dark	dark
<input checked="" type="checkbox"/> *Leaf: predominant number of leaflets	three	equally three and five	five
<input type="checkbox"/> Leaf: profile of leaflets in cross section	straight	concave	convex
<input type="checkbox"/> *Leaf: rugosity	medium	weak	medium
<input type="checkbox"/> Leaf: relative position of lateral leaflets	overlapping	touching	overlapping
<input type="checkbox"/> Terminal leaflet: length	medium	medium to long	medium
<input type="checkbox"/> Terminal leaflet: width	medium	narrow to medium	narrow
<input type="checkbox"/> Pedicel: number of spines	absent or very few	medium	-
<input checked="" type="checkbox"/> *Peduncle: presence of anthocyanin colouration	absent	present	-
<input checked="" type="checkbox"/> Flower: size	small	large	small
<input type="checkbox"/> *Fruit: length	medium	medium to long	medium
<input type="checkbox"/> *Fruit: width	medium	narrow	medium
<input type="checkbox"/> *Fruit: ratio length/width	medium	medium to large	medium
<input type="checkbox"/> *Fruit: general shape in lateral view	broad conical	broad conical	broad conical
<input checked="" type="checkbox"/> Fruit: size of single drupe	medium	medium to large	large
<input type="checkbox"/> *Fruit: colour	dark red	medium red	medium red
<input checked="" type="checkbox"/> Fruit: glossiness	medium	weak	medium
<input checked="" type="checkbox"/> *Fruit: firmness	medium	medium to firm	firm
<input type="checkbox"/> Fruit: adherence to plug	medium	medium	medium
<input type="checkbox"/> *Fruit: main bearing type	both previous year's cone in summer & current year's cone in autumn	both previous year's cone in summer & current year's cone in autumn	both previous year's cone in summer & current year's cone in autumn
<input checked="" type="checkbox"/> *Plant: time of vegetative bud burst (varieties which fruit on previous year's cane in summer)	medium	medium	late
<input checked="" type="checkbox"/> *Time of: cane emergence (varieties	medium	medium	late

which fruit on current year's cane in autumn)			
<input checked="" type="checkbox"/> *Time of: beginning of flowering on previous year's cane (varieties which fruit on previous year's cane in summer)	medium	early to medium	late
<input checked="" type="checkbox"/> *Time of: beginning of flowering on current season's cane (varieties which fruit on current year's cane in autumn)	medium	early to medium	late
<input type="checkbox"/> *Time of: beginning of fruit ripening on previous year's cane (varieties which fruit of previous year's cane in summer)	medium	medium to late	medium to late
<input type="checkbox"/> *Time of: beginning of fruit ripening on current year's cane (varieties which fruit on current year's cane in autumn)	medium	medium to late	medium to late
<input type="checkbox"/> Length of: fruiting period on previous year's cane (varieties which fruit on previous year's cane in summer)	medium	medium	medium to long
<input type="checkbox"/> Length of: fruiting period on current year's cane (varieties which fruit on current year's cane in autumn)	medium	medium to long	medium to long

Prior Applications and Sales

Country	Year	Current Status	Name Applied
Canada	2013	Applied	'DrisRaspSix'
South Africa	2013	Applied	'DrisRaspSix'
New Zealand	2013	Applied	'DrisRaspSix'
European Union	2012	Applied	'DrisRaspSix'
USA	2012	Granted	'DrisRaspSix'

Prior Sale: Nil

Description: **Margaret Zorin** , Birkdale QLD.

Details of Application		
Application Number	2012/040	
Variety Name	'RADIANCE'	
Genus Species	<i>Rubus idaeus</i>	
Common Name	Raspberry	
Synonym	Nil	
Accepted Date	04 Jun 2012	
Applicant	Plant Sciences Inc and Berry R&D Inc., Watsonville, CA	
Agent	Watermark Patent and Trademark Attorneys, Hawthorn, VIC	
Qualified Person	Margaret Zorin	
Details of Comparative Trial		
Overseas Testing Authority	United States Patent & Trademark Office (USPTO)	
Overseas Data Reference Number	PP20342	
Location	Watsonville, California, USA	
Descriptor	Raspberry (<i>Rubus idaeus</i>) UPOV TG/43/7	
Period	2003-2008	
Conditions	Traditional commercial raspberry production criteria were used including asexually propagation by dormant canes in nurseries and subsequently grown under field conditions.	
Trial Design	The new variety was compared to 'PS-1049' and 'PS-1703' in the field.	
Measurements	Measurements of plant, flower and fruit characteristics were taken using UPOV guidelines. Colour terminology where noted follows the Munsell Book of Colors, Munsell Color, Baltimore, Maryland USA (1976). Primocane measurements from 7 - 8 months old plants and Floricane measurements from the same plants 16 - 18 months old were taken in Watsonville, California, USA in 2007-2008.	
RHS Chart - edition	n/a	
Origin and Breeding		
Controlled pollination: The new variety designated as 'Radiance' resulted from a cross pollination between raspberry variety 'PS-1616 and 'PS-1703' in an ongoing breeding program. This variety was selected on the basis of adaptation to growing condition of the central coast of California, fruit appearance, plant quality and fruit productivity. After several years of evaluation the varietal characteristics remain fixed and true to type. Breeders: Stephen M Ackerman of Plant Sciences Inc. and Scott W Adams of Berry R & D Inc. of California 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
Very young shoot	anthocyanin colouration of apex during rapid growth	present
Spines	presence	present

Fruit	size	medium
Fruit	shape	conical
Fruit	colour	light red to medium red
Fruit	main bearing type	both previous year's cone in summer & current year's cone in autumn

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'PS-1049'	considered a similar raspberry variety
'PS-1703'	a similar variety and one of the 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
'PS-1616'	Fruit glossiness	medium to strong	medium	one of the parents
'PS-1616'	Leaf colour of upper surface	medium to dark green	medium yellow-green	one of the parents

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	'RADIANCE'	'PS-1049'	'PS-1703'
<input type="checkbox"/> Plant: habit	upright	semi-upright	semi-upright
<input checked="" type="checkbox"/> *Plant: number of current season's canes	medium to many	few to medium	medium
<input type="checkbox"/> *Very young shoot: anthocyanin colouration of apex during rapid growth	present	present	present
<input type="checkbox"/> *Very young shoot: intensity of anthocyanin colouration of apex during rapid growth	weak to medium	very weak to weak	very weak
<input checked="" type="checkbox"/> Current season's cane: bloom	absent or very weak	strong	medium to strong
<input type="checkbox"/> Current season's cane: anthocyanin colouration	weak to medium	weak to medium	medium to strong
<input type="checkbox"/> Current season's cane: length of internode	medium	medium	medium
<input type="checkbox"/> Current season's cane: length of vegetative bud	short to medium	short to medium	-
<input checked="" type="checkbox"/> *Dormant cane: length (varieties which fruit on previous season's cane in summer)	medium to long	short to medium	medium to long
<input type="checkbox"/> *Current season's cane: length (varieties which fruit on current season's cane in autumn)	medium	short to medium	medium
<input type="checkbox"/> *Dormant cane: colour (varieties which	brownish purple	brown	brown

fruit on previous season's cane in summer)			
<input type="checkbox"/> *Spines: presence	present	present	present
<input type="checkbox"/> *Spines: density (varieties with spines present only)	medium to dense	medium to dense	medium
<input type="checkbox"/> Spines: size of base (varieties with spines present only)	small to medium	medium	small to medium
<input type="checkbox"/> Spines: length (varieties with spines present only)	medium	medium	short to medium
<input checked="" type="checkbox"/> Spines: colour (varieties with spines present only)	purple	purple	purplish brown
<input type="checkbox"/> *Leaf: green colour of upper side	medium to dark	light to medium	medium to dark
<input checked="" type="checkbox"/> *Leaf: predominant number of leaflets	three	equally three and five	five
<input type="checkbox"/> Leaf: profile of leaflets in cross section	convex	concave	concave
<input type="checkbox"/> *Leaf: rugosity	medium to strong	medium	medium to strong
<input type="checkbox"/> Leaf: relative position of lateral leaflets	touching	touching	free
<input type="checkbox"/> Terminal leaflet: length	medium to long	long	medium to long
<input checked="" type="checkbox"/> Terminal leaflet: width	medium to broad	medium	narrow to medium
<input checked="" type="checkbox"/> Pedicel: number of spines	medium	many	medium to many
<input type="checkbox"/> *Peduncle: presence of anthocyanin colouration	present	present	present
<input checked="" type="checkbox"/> *Peduncle: intensity of anthocyanin colouration	weak	very weak	medium to strong
<input checked="" type="checkbox"/> Flower: size	large	medium	small to medium
<input checked="" type="checkbox"/> Fruiting lateral: attitude (varieties which fruit on previous year's cane in summer)	erect	semi-erect	horizontal to drooping
<input type="checkbox"/> *Fruiting lateral: length (varieties which fruit on previous year's cane in summer)	medium to long	medium	medium
<input type="checkbox"/> *Fruit: length	medium to long	medium to long	long
<input type="checkbox"/> *Fruit: width	medium to broad	medium	medium
<input checked="" type="checkbox"/> *Fruit: ratio length/width	medium	medium to large	large
<input type="checkbox"/> *Fruit: general shape in lateral view	conical	conical	conical

<input type="checkbox"/> Fruit: size of single drupe	medium to large	medium	medium
<input type="checkbox"/> *Fruit: colour	light red	medium red	medium red
<input type="checkbox"/> Fruit: glossiness	medium to strong	medium	strong
<input type="checkbox"/> *Fruit: firmness	firm	firm to very firm	medium to firm
<input type="checkbox"/> Fruit: adherence to plug	weak	weak	very weak to weak
<input type="checkbox"/> *Fruit: main bearing type	both previous year's cone in summer & current year's cone in autumn	both previous year's cone in summer & current year's cone in autumn	both previous year's cone in summer & current year's cone in autumn
<input type="checkbox"/> *Plant: time of vegetative bud burst (varieties which fruit on previous year's cane in summer)	early to medium	medium to late	early
<input type="checkbox"/> *Time of: cane emergence (varieties which fruit on current year's cane in autumn)	medium	medium	early to medium
<input type="checkbox"/> *Time of: beginning of flowering on previous year's cane (varieties which fruit on previous year's cane in summer)	early to medium	medium	early
<input type="checkbox"/> *Time of: beginning of flowering on current season's cane (varieties which fruit on current year's cane in autumn)	medium	medium	medium
<input type="checkbox"/> *Time of: beginning of fruit ripening on previous year's cane (varieties which fruit of previous year's cane in summer)	early to medium	medium	early
<input type="checkbox"/> *Time of: beginning of fruit ripening on current year's cane (varieties which fruit on current year's cane in autumn)	early to medium	medium to late	early to medium
<input type="checkbox"/> Length of: fruiting period on previous year's cane (varieties which fruit on previous year's cane in summer)	medium to long	medium to long	long
<input type="checkbox"/> Length of: fruiting period on current year's cane (varieties which fruit on current year's cane in autumn)	medium to long	medium to long	medium to long

Prior Applications and Sales

Country	Year	Current Status	Name Applied
Mexico	2009	Applied	'RADIANCE'
Kenya	2014	Applied	'RADIANCE'
Chile	2010	Granted	'RADIANCE'
New Zealand	2012	Applied	'RADIANCE'
Turkey	2012	Applied	'RADIANCE'

European Union	2009	Granted	'RADIANCE'
Serbia	2012	Granted	'RADIANCE'
USA	2009	Granted	'RADIANCE'
Norway	2013	Granted	'RADIANCE'

First sold in the USA in January 2009.

Description: **Margaret Zorin**, Birkdale, QLD .

Details of Application	
Application Number	2014/118
Variety Name	Topaz
Genus Species	<i>Oryza sativa</i>
Common Name	Rice
Synonym	YRF209
Accepted Date	01 Aug 2014
Applicant	NSW Department of Primary Industries for and on behalf of the State of New South Wales Orange, NSW and Rural Industries Research and Development Corporation, Barton, ACT and Ricegrowers Limited (trading as SunRice), Leeton, NSW.
Agent	N/A
Qualified Person	Ben Ovenden
Details of Comparative Trial	
Location	Leeton Field Station, NSW
Descriptor	Rice (new) UPOV TG/16/8
Period	October 2014 - April 2015
Conditions	Trial plots were direct drill sown 23 October 2014 into a dry prepared seedbed at Leeton Field Station. The trial was flush irrigated at approximately weekly intervals to initiate germination and crop establishment. A uniform N fertiliser application of 150kgN/ha was applied immediately prior to 7 December 2015, after which the field was permanently flooded for the rest of the growing season, until the trial reached physiological maturity.
Trial Design	The trial was designed as a randomised complete block with three replications.
Measurements	Samples were taken from the trial on 17 March 2015, including plant heights from the soil surface to the panicle collar, as well as panicles and leaf samples to ascertain colour and pubescence. Anthesis date was recorded when 50% of the panicles had 50% of the anthers extruded from the florets. Measurements were taken on 20 samples per variety.
RHS Chart - edition	N/A
Origin and Breeding	
Origin and breeding: the breeding line YRF209 was derived from a cross made in 1995, using a selection from an unreplicated plot (YUF95 6:22) as the female parent and Yanco breeding line YRL101 as the male parent. The female parent was YR85036T-5-10, an F9 line derived from a cross between the Yanco breeding line YR71048-10 (a sister breeding line to the cultivar 'Doongara') and the F4 generation of a cross between the cultivar 'Pelde' and the fragrant cultivar 'Gopalbhog'. F1 seeds were sown in the glasshouse in early 1996, and an F2 population sown in the field at Leeton Field Station in spring 1996 (YFB97 2:18). Panicles were selected from the F2 population and underwent culls on brown rice quality, and acceptable panicles were sown as F3 panicle rows in 1997. One panicle row was positive for fragrance from a grain taste test (YSB98 7:231) and was grown again as F4 panicle rows in 1998 (YSB99). 12 seeds from each of these panicle rows were tasted, and 2 of the 12 tasted for panicle row 2:182 were found to be fragrant.	

This panicle row was grown as F5 panicle rows again in 1999 (YSB00). Bulk seed from YSB00 row 5:166 was planted in unreplicated trials in 2000 (YUF01 2:11), then subsequently selected and planted for testing in replicated trials in 2001 (YRF02 V:24), 2002, 2003 and 2004 (YRF05 V:05). The breeding line was designated YRF209 and also included in advanced district trials in 2004 and 2005. Field testing was suspended until 2010, when YRF209 was re-introduced into replicated field trials (YRB11 V:11). Testing has continued until 2014. Breeders: Mr Ben Ovenden and Dr Peter Snell, NSW Department of Primary Industries, Yanco, 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
Leaf blade	pubescence of surface	strong
Stem	anthocyanin colouration of nodes	absent
Panicle	length of main axis	medium to long
Spikelet	pubescence of lemma	medium to strong
Panicle	attitude in relation to stem	slightly drooping
Panicle	attitude of branches	semi-erect
Decorticated grain	length	long to very long
Decorticated grain	shape (in lateral view)	long spindle-shaped
Leaf	anthocyanin colouration of auricle	absent
Time of	heading	medium to late
Decorticated grain	aroma	strong
Decorticated grain	colour	white
Lemma	colour	light gold
Stem	length	long
Flag leaf	attitude of blade (early observation)	semi-erect
Leaf blade	width	narrow to medium
Flag leaf	attitude of blade (late observation)	semi-erect
Lemma	anthocyanin colouration of apex	absent or very weak
Spikelet	colour of stigma	light green

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Kyeema'	
'Doongara'	
'Langi'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety
'Langi'	Decorticated grain: aroma	strong	absent or very weak
'Doongara'	Decorticated grain:aroma	strong	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	'Topaz'	'Kyeema'
<input checked="" type="checkbox"/> Leaf blade: pubescence of surface	absent or very weak	strong
<input type="checkbox"/> *Leaf: anthocyanin colouration of auricles	absent	absent
<input checked="" type="checkbox"/> Leaf blade: width	medium to broad	narrow to medium
<input type="checkbox"/> *Flag leaf: attitude of blade (early observation)	semi-erect	semi-erect
<input type="checkbox"/> *Flag leaf: attitude of blade (late observation)	semi-erect	semi-erect
<input type="checkbox"/> *Time of: heading	medium to late	medium to late
<input type="checkbox"/> *Lemma: anthocyanin colouration of apex (early observation)	absent or very weak	absent or very weak
<input type="checkbox"/> *Spikelet: colour of stigma	light green	light green
<input checked="" type="checkbox"/> *Stem: length (non-prostrate varieties only)	medium	long
<input type="checkbox"/> *Stem: anthocyanin colouration of nodes	absent	absent
<input type="checkbox"/> Stem: anthocyanin colouration of internodes	absent	absent
<input type="checkbox"/> *Panicle: length of main axis	medium to long	medium to long
<input checked="" type="checkbox"/> *Spikelet: pubescence of lemma	absent or very weak	medium to strong
<input type="checkbox"/> *Panicle: attitude in relation to stem	slightly drooping	slightly drooping
<input type="checkbox"/> *Panicle: attitude of branches	semi-erect	semi-erect
<input checked="" type="checkbox"/> Lemma: colour	gold	light gold
<input type="checkbox"/> *Decorticated grain: length	long to very long	long to very long
<input type="checkbox"/> *Decorticated grain: shape (in lateral view)	long spindle-shaped	long spindle-shaped
<input type="checkbox"/> *Decorticated grain: aroma	strong	strong

Statistical Table		
Organ/Plant Part: Context	'Topaz'	'Kyeema'
<input checked="" type="checkbox"/> Stem: length (cm)		
Mean	80.19	99.01
Std. Deviation	1.89	1.92
LSD/sig	3.01	P≤0.01

Prior Applications and Sales

Nil.

Description: **Ben Owendon**, NSW Department of Primary Industries, Yanco, NSW.

Details of Application		
Application Number	2013/189	
Variety Name	'Colour Surprise'	
Genus Species	<i>Ozothamnus</i> hybrid	
Common Name	Riceflower	
Synonym	Nil	
Accepted Date	05 Sep 2013	
Applicant	Aussie Colours Pty Ltd., St Lucia, QLD	
Agent	InnoV8 Botanics Pty Ltd., Karana Downs, QLD	
Qualified Person	Dion Harrison	
Details of Comparative Trial		
Location	Gatton, QLD	
Descriptor	PBR OZOT (<i>Ozothamnus</i>)	
Period	March 2013 to Dec 2014	
Conditions	Plants were propagated by cuttings and grown in 175 mm pots in a soil-less medium outdoors fertilised with controlled release fertiliser and drip irrigated. After about 12 months, the plants were potted up into 28L grow bags and grown on under the same conditions as earlier to allow the plants to grow to mature size.	
Trial Design	Complete randomised block design with equal replication.	
Measurements	Measurements were taken from 15 plants or parts per variety.	
RHS Chart - edition	2007	
Origin and Breeding		
<p>Controlled Pollination: On 03/09/09, five corymbs of greenhouse-grown <i>Ozothamnus diotophyllus</i> 'RY14' (Gold Dust™) were bagged prior to any pollen dehiscence. During 18/09/09 to 06/10/09, the bagged corymbs were hand pollinated with pollen from <i>Ozothamnus diosmifolius</i> 'Just Blush' flowers. The seed parent was characterised by early and long flowering period with gold coloured flower heads but lacked vigour and had an open habit. The mature seed was collected on 28/10/09 and sown on 18/11/09. Sixty three germinated seedlings were pricked into 50 mm tubes and grown on in a greenhouse. On 11/03/10 the seedlings were transferred to 140 mm pots and grown-on outside under overhead irrigation. The candidate was first selected on 18/08/10 for its novel dark reddish-maroon flower buds and compact bushy habit. On 13/12/10 the candidate was noted for its ease of propagation from cuttings. The cutting-grown plants were grown-on in 180 mm pots for further evaluation and production trials during 2011 and 2012. On 11/08/11 the candidate selected again for its good pot fill and basal branching. On 13/09/11 the candidate was noted for its good distribution of flowers up the height of the plant, and its dark red-pink flower buds which fade to light pink upon anthesis to reveal bright lemon-yellow disc florets giving the flowers a very attractive and novel multi-coloured appearance on the one corymb. Breeder: Karana Downs, QLD.</p>		
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	upright
Plant	width	narrow
Plant	density	sparse to medium
Leaf	density	sparse to medium
Leaf	length	short to medium
Leaf	colour	dark green
Leaf	shape of base	auriculate
Flowering stem	attitude in relation to stem	erect
Capitulum	shape	broad ovate
Disc florets	colour at anthesis	lemon

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Magic Marmalade'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Gold Dust'	Capitulum	shape	rounded	broad ovate	
'Gold Dust'	Disc floret	colour	yellow-gold	lemon	
'Gold Dust'	Plant	density	very sparse	sparse to 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	'Colour Surprise'	'Magic Marmalade'
<input type="checkbox"/> Plant: growth habit	upright	upright
<input type="checkbox"/> Plant: height	short to medium	short
<input type="checkbox"/> Plant: width	narrow	narrow
<input type="checkbox"/> Plant: density	sparse to medium	sparse to medium
<input type="checkbox"/> Leaf: length	short to medium	short to medium
<input type="checkbox"/> Leaf: colour	dark green	dark green
<input type="checkbox"/> Flowering shoot: attitude in relation to stem	erect	erect
<input type="checkbox"/> Terminal inflorescence: number of capitula	many (>200)	many (>200)
<input type="checkbox"/> Terminal inflorescence: density	dense	dense
<input type="checkbox"/> Capitulum: shape	broad ovate	broad ovate
<input checked="" type="checkbox"/> Capitulum: shape of apex	rounded	pointed
<input checked="" type="checkbox"/> Capitulum: main colour	red- pink	orange-red
<input checked="" type="checkbox"/> Capitulum: main colour (RHS Colour Chart)	184B-185B	173C
<input type="checkbox"/> Capitulum: distribution in colour intensity	stronger at apex	stronger at apex

<input type="checkbox"/> Time of: anthesis	early to medium	early
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Characteristics Additional to the Descriptor/TG		
Organ/Plant Part: Context	'Colour Surprise'	'Magic Marmalade'
<input type="checkbox"/> Stem: leaf density	sparse to medium	sparse to medium
<input checked="" type="checkbox"/> Leaf: colour (RHS colour chart)	136A	141A
<input type="checkbox"/> Leaf: shape of base	auriculate	auriculate
<input type="checkbox"/> Disc florets: colour at anthesis	lemon	lemon

Statistical Table		
Organ/Plant Part: Context	'Colour Surprise'	'Magic Marmalade'
<input checked="" type="checkbox"/> Plant: height (cm)		
Mean	146.80	108.30
Std. Deviation	10.76	5.76
Lsd/sig	11.11	P≤0.01

Prior Applications :Nil

First sold in Australia in August 2012.

Description: **Dion Harrison**, Karana Downs, QLD

Details of Application		
Application Number	2013/188	
Variety Name	'Magic Marmalade'	
Genus Species	<i>Ozothamnus</i> hybrid	
Common Name	Riceflower	
Synonym	Nil	
Accepted Date	05 Sep 2013	
Applicant	Aussie Colours Pty Ltd., St Lucia, QLD	
Agent	InnoV8 Botanics Pty Ltd., Karana Downs, QLD	
Qualified Person	Dion Harrison	
Details of Comparative Trial		
Location	Gatton, QLD, Australia	
Descriptor	PBR OZOT (<i>Ozothamnus</i>)	
Period	March 2013 to Dec 2014	
Conditions	Plants were propagated by cuttings and grown in 175 mm pots in a soil-less medium outdoors fertilised with controlled release fertiliser and drip irrigated. After about 12 months, the plants were potted up into 28L grow bags and grown on under the same conditions as earlier to allow the plants to grow to mature size.	
Trial Design	Complete randomised block design with equal replication.	
Measurements	Measurements were taken from 15 plants or parts per variety.	
RHS Chart - edition	2007	
Origin and Breeding		
Controlled pollination: on 03/09/09, three corymbs of greenhouse-grown <i>Ozothamnus diosmifolius</i> 'Just Blush' were bagged prior to any pollen dehiscence. Between 22/09/09 and 06/10/09, the bagged corymbs were hand pollinated with pollen from <i>Ozothamnus diotophyllus</i> breeding line OD-X-103-29-COL4. The pollen parent was characterised by early and long flowering period, small plant height and golden yellow flowers. The mature seed was collected on 03/11/09 and sown on 18/11/09. Thirty one germinated seedlings were pricked into 50 mm tubes and grown-on in a greenhouse. On 11/03/10, the seedlings were transferred to 140 mm pots and grown-on outside under overhead irrigation. The candidate was first selected on 18/08/10 for its compact size, attractive foliage and orange-red flower buds. On 03/12/10 the candidate was noted for its ease of propagation from cuttings. The cutting-grown plants were grown-on in 180 mm pots for further evaluation and production trials during 2011 and 2012. On 11/8/11 the candidate was selected again for its compact size and novel orange-red flower buds which open to a light lemon-yellow colour with the corymb changing to a uniform lemon colour as the flowers mature. Breeder: Karana Downs, QLD.		
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	upright
Plant	width	narrow

Plant	density	sparse to medium
Leaf	density	sparse to medium
Leaf	length	short to medium
Leaf	shape of base	auriculate
Leaf	colour	dark green
Flowering stem	attitude in relation to stem	erect
Capitulum	shape	broad ovate
Disc florets	colour at anthesis	lemon

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Colour 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
'Gold Dust'	Capitulum	shape	rounded	broad ovate	
'Gold Dust'	Disc floret	colour	yellow-gold	lemon	
'Gold Dust'	Plant	density	very sparse	sparse to 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	'Magic Marmalade'	'Colour Surprise'
<input type="checkbox"/> Plant: growth habit	upright	upright
<input type="checkbox"/> Plant: height	short	short to medium
<input type="checkbox"/> Plant: width	narrow	narrow
<input type="checkbox"/> Plant: density	sparse to medium	sparse to medium
<input type="checkbox"/> Leaf: length	short to medium	short to medium
<input type="checkbox"/> Leaf: colour	dark green	dark green
<input type="checkbox"/> Flowering shoot: attitude in relation to stem	erect	erect
<input type="checkbox"/> Terminal inflorescence: number of capitula	many (>200)	many (>200)
<input type="checkbox"/> Terminal inflorescence: density	dense	dense
<input type="checkbox"/> Capitulum: shape	broad ovate	broad ovate
<input checked="" type="checkbox"/> Capitulum: shape of apex	pointed	rounded
<input checked="" type="checkbox"/> Capitulum: main colour	orange-red	pink-red
<input checked="" type="checkbox"/> Capitulum: main colour (RHS Colour Chart)	173C	184B-185B
<input type="checkbox"/> Capitulum: distribution in colour intensity	stronger at apex	stronger at apex
<input type="checkbox"/> Time of: anthesis	early	early to medium

Characteristics Additional to the Descriptor/TG		
Organ/Plant Part: Context	'Magic Marmalade'	'Colour Surprise'
<input type="checkbox"/> Stem: leaf density	sparse to medium	sparse to medium
<input checked="" type="checkbox"/> Leaf: colour (RHS colour chart)	141A	136A
<input type="checkbox"/> Leaf: shape of base	auriculate	auriculate
<input type="checkbox"/> Disc florets: colour at anthesis	lemon	lemon

Statistical Table		
Organ/Plant Part: Context	'Magic Marmalade'	'Colour Surprise'
<input checked="" type="checkbox"/> Plant: height (cm)		
Mean	108.30	146.80
Std. Deviation	5.76	10.76
LSD/sig	11.11	P≤0.01

Prior Applications: Nil

First sold in Australia in August 2012.

Description: **Dion Harrison**, Karana Downs, QLD.

Details of Application		
Application Number	2014/245	
Variety Name	'EB 9-12'	
Genus Species	<i>Vaccinium</i> hybrid	
Common Name	Southern Highbush Blueberry	
Synonym	n/a	
Accepted Date	23 December 2014	
Applicant	Rolfe Nominees, Crows Nest, QLD and Prunus Persica Pty Ltd, Joondalup, WA	
Agent	Australian Nurserymen's Fruit Improvement Company (ANFIC) Ltd, Kallangur, QLD	
Qualified Person	Dr Gavin Porter	
Details of Comparative Trial		
Location	Crows Nest, QLD	
Descriptor	Blueberry <i>Vaccinium</i> sp UPOV TG/137/4	
Period	2013-2014	
Conditions	Pots were grown in partially shaded polyhouse with drip irrigation.	
Trial Design	10 plants of both the variety and comparator were planted in 30L bags in a large trial block of blueberries. All cultural practices were done as per the commercial plants.	
Measurements	Measurements were taken from 5 of the 10 plants for both the variety and comparator.	
Origin and Breeding		
Controlled pollination: Breeding line 'BB2' x Breeding line '03-6' in 2006 at Yanchep Springs, Yanchep WA. Seed parent characterised by upright bush type, mid to late season flowering with large firm fruit. Pollen parent characterised by spreading growth habit, early flowering and large fruit size. Seed from seed parent, 'BB2' gave approximately 500 plants. First fruiting was in 2008 with assessment of fruit and growth habit evaluated. Further assessment in 2009 resulted in selection 'EB9-12', which showed desirable traits. Further testing including vegetative propagation has occurred 2010-2014 and lead to the conclusion EB9-12' to be a distinct and suitable variety. Selection Criteria: semiupright bush type, large to very large slightly flat fruit with excellent flavour, very early flowering and fruit maturity. Breeder: David Mazzardis.		
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	fruiting type	On one year old and current season shoots
Plant	time of beginning of flowering on one-year old shoot	very early to early
Plant	time of beginning of flowering on current year shoots	early

Plant	time of beginning of fruit ripening on current year shoots	early		
Fruit	size	large to very large		
Fruit	intensity of bloom	strong		
Fruit	skin colour	dark blue		
Most Similar Varieties of Common Knowledge identified (VCK)				
Name		Comments		
'EB 8-46'				
'Ridley 1111'				
Varieties of Common Knowledge identified and subsequently excluded				
Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Ridley 1111'	Fruit size	large to very large	medium to large	

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	'EB 9-12'	'EB8-46'
<input checked="" type="checkbox"/> *Plant: vigour	strong to very strong	medium to strong
<input checked="" type="checkbox"/> *Plant: growth habit	upright to semi-upright	intermediate
<input type="checkbox"/> One-year-old shoot: colour	green	green
<input checked="" type="checkbox"/> One-year-old shoot: length of internode	long	medium
<input checked="" type="checkbox"/> *Leaf: length	very long	medium
<input checked="" type="checkbox"/> Leaf: width	narrow	medium
<input checked="" type="checkbox"/> Leaf: ratio length/width	large to very large	medium
<input checked="" type="checkbox"/> *Leaf: shape	lanceolate	ovate
<input type="checkbox"/> Leaf: colour of upper side	green	green
<input type="checkbox"/> *Leaf: intensity of green colour on upper side	medium	medium to dark
<input type="checkbox"/> *Leaf: margin	entire	entire
<input type="checkbox"/> Flower bud: anthocyanin colouration	very weak	very weak
<input type="checkbox"/> Inflorescence: length	medium	medium
<input type="checkbox"/> Flower: shape of corolla	urceolate	urceolate
<input type="checkbox"/> *Flower: size of corolla tube	medium	medium
<input type="checkbox"/> *Flower: anthocyanin colouration of corolla tube	absent or very weak	very weak to weak

<input type="checkbox"/>	Flower: ridges on corolla tube	present	present
<input type="checkbox"/>	Fruit cluster: density	medium to dense	medium to dense
<input checked="" type="checkbox"/>	*Unripe fruit: intensity of green colour	very light	medium
<input type="checkbox"/>	*Fruit: size	large to very large	very large
<input type="checkbox"/>	*Fruit: shape in longitudinal section	oblate	oblate
<input type="checkbox"/>	Fruit: attitude of sepals	erect to semi-erect	erect to semi-erect
<input type="checkbox"/>	Fruit: type of sepals	incurving	incurving
<input type="checkbox"/>	Fruit: diameter of calyx basin	small to medium	medium
<input type="checkbox"/>	Fruit: depth of calyx basin	shallow	shallow to medium
<input type="checkbox"/>	*Fruit: intensity of bloom	strong to very strong	very strong
<input type="checkbox"/>	*Fruit: colour of skin	dark blue	dark blue
<input type="checkbox"/>	Fruit: firmness	firm to very firm	firm to very firm
<input type="checkbox"/>	*Fruit: sweetness	high to very high	high
<input type="checkbox"/>	*Fruit: acidity	low	low
<input type="checkbox"/>	*Plant: fruiting type	on one-year-old and current season's shoots	on one-year-old and current season's shoots
<input type="checkbox"/>	*Time of: vegetative bud burst	early to medium	early
<input type="checkbox"/>	*Time of: beginning of flowering on one-year-old shoot	very early to early	early
<input type="checkbox"/>	*Time of: beginning of flowering on current year's shoot	early	early
<input type="checkbox"/>	*Time of: beginning of fruit ripening on one-year-old shoot	early to medium	early
<input type="checkbox"/>	*Time of: beginning of fruit ripening on current year's shoot	early	early

Statistical Table

Organ/Plant Part: Context	'EB 9-12'	'EB 8-46'
<input type="checkbox"/> Leaf: length(mm)		
Mean	65.80	60.33
Std. Deviation	8.25	4.39
LSD/sig	13.22	ns
<input type="checkbox"/> Leaf: width(mm)		
Mean	29.93	34.10
Std. Deviation	3.67	3.81

LSD/sig	7.48	ns
<input type="checkbox"/> Fruit: diameter(mm)		
Mean	17.92	19.57
Std. Deviation	1.16	1.81
LSD/sig	3.20	ns
<input type="checkbox"/> Fruit: height(mm)		
Mean	13.92	14.34
Std. Deviation	0.54	1.20
LSD/sig	1.96	ns
<input type="checkbox"/> Fruit: calyx basin width(mm)		
Mean	7.40	8.22
Std. Deviation	1.53	0.90
LSD/sig	2.64	ns
<input type="checkbox"/> Fruit: calyx basin depth(mm)		
Mean	2.08	3.38
Std. Deviation	0.70	1.03
LSD/sig	1.86	ns
<input checked="" type="checkbox"/> Fruit: weight(g)		
Mean	2.85	3.76
Std. Deviation	0.12	0.06
LSD/sig	0.20	P≤0.01

Prior Applications and Sales

Nil

Description: **Dr Gavin Porter, ANFIC, Kallangur, QLD.**

Details of Application		
Application Number	2014/246	
Variety Name	'EB 10-1'	
Genus Species	<i>Vaccinium</i> hybrid	
Common Name	Southern Highbush Blueberry	
Synonym	n/a	
Accepted Date	23 December 2014	
Applicant	Rolfe Nominees, Crows Nest, QLD and Prunus Persica Pty Ltd, Joondalup, WA	
Agent	Australian Nurserymen's Fruit Improvement Company (ANFIC) Ltd, Kallangur, QLD	
Qualified Person	Dr Gavin Porter	
Details of Comparative Trial		
Location	Crows Nest, QLD	
Descriptor	Blueberry <i>Vaccinium</i> sp UPOV TG/137/4	
Period	2013-2014	
Conditions	Pots were grown in partially shaded polyhouse with drip irrigation.	
Trial Design	10 plants of both the variety and comparator were planted in 30L bags in a large trial block of blueberries. All cultural practices were done as per the commercial plants.	
Measurements	Measurements were taken from 5 of the 10 plants for both the variety and comparator.	
Origin and Breeding		
Controlled pollination: Breeding line '7-13' x Breeding line '7-30' in 2007 at Yanchep Springs, Yanchep WA. Seed parent characterised by upright bush type, mid season flowering with large firm fruit. Pollen parent characterised by semi upright growth habit, mid to late flowering and medium to large fruit size. Seed from seed parent, '7-13' gave approximately 1000 plants. First fruiting was in 2009 with assessment of fruit and growth habit evaluated. Further assessment in 2010 resulted in selection 'EB10-1', which showed desirable traits. Further testing including vegetative propagation has occurred 2011-2014 and lead to the conclusion 'EB10-1' to be a distinct and suitable variety. Selection Criteria: semi upright to intermediate bush type, large to very large slightly flat fruit with excellent bloom and flavour, very late season flowering and fruit maturity. Breeder: David Mazzardis.		
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	fruiting type	On one year old and current season shoots
Fruit	shape	oblate
Fruit	size	large to very large
Fruit	type of sepals	incurving
Fruit	intensity of bloom	strong
Fruit	skin colour	dark blue

Most Similar Varieties of Common Knowledge identified (VCK)					
Name		Comments			
'EB8-17'					
'EB 8-46'					
'Ridley 1111'					
Varieties of Common Knowledge identified and subsequently excluded					
Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Ridley 1111'	Fruit	size	large to very large	medium to large	
'Ridley 1111'	Fruit	Time of fruit ripening	medium to late	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	'EB 10-1'	'EB8-17'	'EB8-46'
<input type="checkbox"/> *Plant: vigour	medium to strong	strong	medium to strong
<input type="checkbox"/> *Plant: growth habit	semi-upright to intermediate	semi-upright	intermediate
<input type="checkbox"/> One-year-old shoot: colour	green	green	green
<input type="checkbox"/> One-year-old shoot: length of internode	long	medium to long	medium
<input type="checkbox"/> *Leaf: length	long	medium to long	medium
<input type="checkbox"/> Leaf: width	narrow to medium	medium to broad	medium
<input type="checkbox"/> Leaf: ratio length/width	large	medium to large	medium
<input type="checkbox"/> *Leaf: shape	ovate	ovate	ovate
<input type="checkbox"/> Leaf: colour of upper side	green	green	green
<input type="checkbox"/> *Leaf: intensity of green colour on upper side	medium	dark	medium to dark
<input type="checkbox"/> *Leaf: margin	entire	entire	entire
<input type="checkbox"/> Flower bud: anthocyanin colouration	very weak	very weak	very weak
<input type="checkbox"/> Inflorescence: length	medium to long	medium	medium
<input type="checkbox"/> Flower: shape of corolla	urceolate	urceolate	urceolate
<input type="checkbox"/> *Flower: size of corolla tube	medium	medium	medium
<input type="checkbox"/> *Flower: anthocyanin colouration of corolla tube	absent or very weak	very weak to weak	very weak to weak

<input type="checkbox"/>	Flower: ridges on corolla tube	present	present	present
<input type="checkbox"/>	Fruit cluster: density	medium to dense	medium	medium to dense
<input type="checkbox"/>	*Unripe fruit: intensity of green colour	medium to dark	dark	medium
<input type="checkbox"/>	*Fruit: size	large to very large	very large	very large
<input type="checkbox"/>	*Fruit: shape in longitudinal section	oblate	oblate	oblate
<input type="checkbox"/>	Fruit: attitude of sepals	semi-erect	semi-erect	erect to semi-erect
<input type="checkbox"/>	Fruit: type of sepals	incurving	incurving	incurving
<input type="checkbox"/>	Fruit: diameter of calyx basin	large	medium to large	medium
<input type="checkbox"/>	Fruit: depth of calyx basin	shallow	very shallow to shallow	shallow to medium
<input type="checkbox"/>	*Fruit: intensity of bloom	strong to very strong	medium	very strong
<input type="checkbox"/>	*Fruit: colour of skin	dark blue	dark blue	dark blue
<input type="checkbox"/>	Fruit: firmness	firm	medium to firm	firm to very firm
<input type="checkbox"/>	*Fruit: sweetness	high	medium to high	high
<input type="checkbox"/>	*Fruit: acidity	very low to low	low to medium	low
<input type="checkbox"/>	*Plant: fruiting type	on one-year-old and current season's shoots	on one-year-old and current season's shoots	on one-year-old and current season's shoots
<input checked="" type="checkbox"/>	*Time of: vegetative bud burst	medium to late	very early	early
<input checked="" type="checkbox"/>	*Time of: beginning of flowering on one-year-old shoot	medium to late	very early	early
<input checked="" type="checkbox"/>	*Time of: beginning of flowering on current year's shoot	medium to late	very early	early
<input checked="" type="checkbox"/>	*Time of: beginning of fruit ripening on one-year-old shoot	medium to late	very early	early
<input checked="" type="checkbox"/>	*Time of: beginning of fruit ripening on current year's shoot	medium to late	very early	early

Statistical Table

Organ/Plant Part: Context	'EB 10-1'	'EB 8-46'	'EB8-46'
<input type="checkbox"/> Leaf: length(mm)			
Mean	72.97	66.07	60.33
Std. Deviation	4.65	6.33	4.39
LSD/sig	10.32	ns	ns
<input type="checkbox"/> Leaf: width(mm)			
Mean	33.37	35.53	34.10
Std. Deviation	4.99	4.96	3.81
LSD/sig	9.18	ns	ns
<input type="checkbox"/> Fruit: diameter(mm)			
Mean	23.12	19.88	19.57
Std. Deviation	1.47	1.33	1.81
LSD/sig	3.19	P≤0.01	ns
<input type="checkbox"/> Fruit: height(mm)			
Mean	14.40	13.61	14.34
Std. Deviation	1.75	0.59	1.20
LSD/sig	2.61	ns	ns
<input type="checkbox"/> Fruit: calyx basin width(mm)			
Mean	10.12	8.22	8.22
Std. Deviation	1.10	0.77	0.90
LSD/sig	1.92	ns	ns
<input type="checkbox"/> Fruit: calyx basin depth(mm)			
Mean	2.79	2.19	3.38
Std. Deviation	0.85	0.75	1.03
LSD/sig	1.82	ns	ns
<input checked="" type="checkbox"/> Fruit: weight(g)			
Mean	5.64	4.00	3.79
Std. Deviation	0.13	0.11	0.08
LSD/sig	0.23	P≤0.01	P≤0.01

Prior Applications and Sales

Nil

Description: Dr Gavin Porter, ANFIC, Kallangur, QLD.

Details of Application		
Application Number	2014/247	
Variety Name	'EB 12-19'	
Genus Species	<i>Vaccinium</i> hybrid	
Common Name	Southern Highbush Blueberry	
Synonym	n/a	
Accepted Date	23 December 2014	
Applicant	Rolfe Nominees, Crows Nest, QLD and Prunus Persica Pty Ltd, Joondalup, WA	
Agent	Australian Nurserymen's Fruit Improvement Company (ANFIC) Ltd, Kallangur, QLD	
Qualified Person	Dr Gavin Porter	
Details of Comparative Trial		
Location	Crows Nest, QLD	
Descriptor	Blueberry <i>Vaccinium</i> sp UPOV TG/137/4	
Period	2013-2014	
Conditions	Pots were grown in partially shaded polyhouse with drip irrigation.	
Trial Design	10 plants of both the variety and comparator were planted in 30L bags in a large trial block of blueberries. All cultural practices were done as per the commercial plants.	
Measurements	Measurements were taken from 5 of the 10 plants for both the variety and comparator.	
Origin and Breeding		
Controlled pollination: Breeding line '8-19' x Breeding line 'EB8-1' in 2009 at Yanchep Springs, Yanchep WA. Seed parent characterised by upright bush type, early season flowering with medium to large firm fruit with good bloom. Pollen parent characterised by spreading growth habit, very early season flowering and very large fruit size. Seed from seed parent, '8-19', gave approximately 1000 plants. First fruiting was in 2011 with assessment of fruit and growth habit evaluated. Further assessment in 2012 resulted in selection 'EB12-19', which showed desirable traits. Further testing including vegetative propagation has occurred 2013-2014 and lead to the conclusion 'EB12-19' to be a distinct and suitable variety. Selection Criteria: semi upright bush type, large to very large to very large oblate fruit with excellent bloom and flavour, very early flowering and fruit maturity. Breeder: David Mazzardis.		
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	fruiting type	On one year old and current season shoots
Plant	time of vegetative budburst	very early
Plant	time of beginning of flowering on current year shoots	very early
Plant	time of beginning of	very early

	fruit ripening on current year shoots			
Fruit	size	large to very large		
Fruit	intensity of bloom	strong to very strong		
Fruit	skin colour	dark blue		
Most Similar Varieties of Common Knowledge identified (VCK)				
Name		Comments		
'EB 8-1'				
'Ridley 1111'				
Varieties of Common Knowledge identified and subsequently excluded				
Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Ridley 1111'	Fruit size	large to very large	medium to large	

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	'EB 12-19'	'EB 8-1'
<input checked="" type="checkbox"/> *Plant: vigour	strong	medium
<input checked="" type="checkbox"/> *Plant: growth habit	semi-upright	semi-spreading
<input type="checkbox"/> One-year-old shoot: colour	green	green
<input type="checkbox"/> One-year-old shoot: length of internode	medium to long	medium to long
<input type="checkbox"/> *Leaf: length	medium to long	medium to long
<input type="checkbox"/> Leaf: width	broad to very broad	medium to broad
<input type="checkbox"/> Leaf: ratio length/width	medium	medium to large
<input type="checkbox"/> *Leaf: shape	ovate	ovate
<input type="checkbox"/> Leaf: colour of upper side	green	green
<input type="checkbox"/> *Leaf: intensity of green colour on upper side	medium	light to medium
<input type="checkbox"/> *Leaf: margin	entire	entire
<input checked="" type="checkbox"/> Flower bud: anthocyanin colouration	weak to medium	very weak
<input type="checkbox"/> Inflorescence: length	medium	medium
<input type="checkbox"/> Flower: shape of corolla	urceolate	urceolate
<input type="checkbox"/> *Flower: size of corolla tube	medium	medium
<input type="checkbox"/> *Flower: anthocyanin colouration	absent or very	very weak

of corolla tube	weak	to weak
<input type="checkbox"/> Flower: ridges on corolla tube	present	present
<input type="checkbox"/> Fruit cluster: density	medium to dense	medium
<input type="checkbox"/> *Unripe fruit: intensity of green colour	medium	medium
<input type="checkbox"/> *Fruit: size	large to very large	large
<input type="checkbox"/> *Fruit: shape in longitudinal section	oblate	oblate
<input type="checkbox"/> Fruit: attitude of sepals	erect to semi-erect	erect to semi-erect
<input type="checkbox"/> Fruit: type of sepals	straight	straight
<input type="checkbox"/> Fruit: diameter of calyx basin	medium	medium to large
<input type="checkbox"/> Fruit: depth of calyx basin	medium	medium
<input type="checkbox"/> *Fruit: intensity of bloom	strong to very strong	strong
<input type="checkbox"/> *Fruit: colour of skin	dark blue	dark blue
<input checked="" type="checkbox"/> Fruit: firmness	very firm	medium
<input checked="" type="checkbox"/> *Fruit: sweetness	high to very high	medium
<input checked="" type="checkbox"/> *Fruit: acidity	low	medium
<input type="checkbox"/> *Plant: fruiting type	on one-year-old and current season's shoots	on one-year-old and current season's shoots
<input type="checkbox"/> *Time of: vegetative bud burst	very early	very early
<input type="checkbox"/> *Time of: beginning of flowering on one-year-old shoot	very early	very early
<input type="checkbox"/> *Time of: beginning of flowering on current year's shoot	very early	very early
<input type="checkbox"/> *Time of: beginning of fruit ripening on one-year-old shoot	very early	very early
<input type="checkbox"/> *Time of: beginning of fruit ripening on current year's shoot	very early	very early

Statistical Table

Organ/Plant Part: Context	'EB 9-2'	'EB 8-1'
<input type="checkbox"/> Leaf: length(mm)		
Mean	59.77	63.17
Std. Deviation	4.22	6.75
LSD/sig	11.27	ns
<input type="checkbox"/> Leaf: width(mm)		
Mean	38.27	29.60

Std. Deviation	3.54	3.80
LSD/sig	7.36	ns
<input type="checkbox"/> Fruit: diameter(mm)		
Mean	18.86	20.72
Std. Deviation	1.92	1.78
LSD/sig	3.89	ns
<input type="checkbox"/> Fruit: height(mm)		
Mean	14.26	14.78
Std. Deviation	0.71	0.95
LSD/sig	1.76	ns
<input type="checkbox"/> Fruit: calyx basin width(mm)		
Mean	8.15	8.12
Std. Deviation	1.08	1.19
LSD/sig	2.38	ns
<input type="checkbox"/> Fruit: calyx basin depth(mm)		
Mean	2.50	2.90
Std. Deviation	0.52	0.63
LSD/sig	1.21	ns
<input checked="" type="checkbox"/> Fruit: weight(g)		
Mean	3.40	4.03
Std. Deviation	0.12	0.09
LSD/sig	0.27	P≤0.01

Prior Applications and Sales

Nil

Description: **Dr Gavin Porter, ANFIC, Kallangur, QLD.**

Details of Application		
Application Number	2014/242	
Variety Name	'EB 8-50'	
Genus Species	<i>Vaccinium</i> hybrid	
Common Name	Southern Highbush Blueberry	
Synonym	n/a	
Accepted Date	23 December 2014	
Applicant	Rolfe Nominees, Crows Nest, QLD and Prunus Persica Pty Ltd, Joondalup, WA	
Agent	Australian Nurserymen's Fruit Improvement Company (ANFIC) Ltd, Kallangur, QLD	
Qualified Person	Dr Gavin Porter	
Details of Comparative Trial		
Location	Crows Nest, QLD	
Descriptor	Blueberry <i>Vaccinium</i> sp UPOV TG/137/4	
Period	2013-2014	
Conditions	Pots were grown in partially shaded polyhouse with drip irrigation.	
Trial Design	10 plants of both the variety and comparator were planted in 30L bags in a large trial block of blueberries. All cultural practices were done as per the commercial plants.	
Measurements	Measurements were taken from 5 of the 10 plants for both the variety and comparator.	
Origin and Breeding		
Controlled pollination: Breeding line '03-2' x Breeding line 'SB-1 in 2005 at Yanchep Springs, Yanchep WA. Seed parent characterised by semi upright bush type, midseason flowering with medium to large firm fruit. Pollen parent characterised by semi upright growth habit, early season flowering and large fruit size. Seed from seed parent, '03-2', gave approximately 500 plants. First fruiting was in 2007 with assessment of fruit and growth habit evaluated. Further assessment in 2008 resulted in selection 'EB8-50', which showed desirable traits. Further testing including vegetative propagation has occurred 2009-2014 and lead to the conclusion EB8-50 to be a distinct and suitable variety. Selection Criteria: semi upright bush type, large to very large round fruit with excellent flavour, early flowering and fruit maturity. Excellent abscission with a small dry picking scar. Breeder: David Mazzardis.		
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	fruiting type	On one year old and current season shoots
Plant	time of vegetative budburst	very early
Plant	time of beginning of flowering on current year shoots	very early
Plant	Time of beginning of	very early

	fruit ripening on current year shoots			
Fruit	size	large to very large		
Fruit	intensity of bloom	strong to very strong		
Fruit	skin colour	dark blue		
Most Similar Varieties of Common Knowledge identified (VCK)				
Name		Comments		
'EB 8-1'				
'Sharp Blue'				
'Ridley 1111'				
Varieties of Common Knowledge identified and subsequently excluded				
Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Sharpblue'	Plant growth habit	semi-upright	bushy to spreading	
'Sharpblue'	Fruit maturity	early	early to mid-season	
'Sharpblue'	Fruit size	large to very large	medium	
'Ridley 1111'	Fruit size	large to very large	medium to large	

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	'EB 8-50'	'EB 8-1'
<input type="checkbox"/> *Plant: vigour	medium	medium
<input checked="" type="checkbox"/> *Plant: growth habit	semi-upright to intermediate	semi-spreading
<input type="checkbox"/> One-year-old shoot: colour	green	green
<input type="checkbox"/> One-year-old shoot: length of internode	medium to long	medium to long
<input type="checkbox"/> *Leaf: length	medium	medium
<input type="checkbox"/> Leaf: width	medium	medium
<input checked="" type="checkbox"/> Leaf: ratio length/width	small	medium
<input type="checkbox"/> *Leaf: shape	ovate	ovate
<input type="checkbox"/> Leaf: colour of upper side	green	green
<input type="checkbox"/> *Leaf: intensity of green colour on upper side	dark	medium to dark
<input type="checkbox"/> *Leaf: margin	entire	entire
<input type="checkbox"/> Flower bud: anthocyanin colouration	very weak	very weak
<input type="checkbox"/> Inflorescence: length	medium	medium
<input type="checkbox"/> Flower: shape of corolla	urceolate	urceolate

<input type="checkbox"/> *Flower: size of corolla tube	medium	medium
<input type="checkbox"/> *Flower: anthocyanin colouration of corolla tube	absent or very weak	very weak to weak
<input type="checkbox"/> Flower: ridges on corolla tube	present	present
<input type="checkbox"/> Fruit cluster: density	dense	dense
<input type="checkbox"/> *Unripe fruit: intensity of green colour	medium	medium
<input type="checkbox"/> *Fruit: size	large to very large	large
<input checked="" type="checkbox"/> *Fruit: shape in longitudinal section	round	oblate
<input type="checkbox"/> Fruit: attitude of sepals	erect	erect to semi-erect
<input checked="" type="checkbox"/> Fruit: type of sepals	reflexed	straight
<input checked="" type="checkbox"/> Fruit: diameter of calyx basin	very small to small	medium to large
<input checked="" type="checkbox"/> Fruit: depth of calyx basin	very shallow to shallow	medium
<input type="checkbox"/> *Fruit: intensity of bloom	very strong	strong
<input type="checkbox"/> *Fruit: colour of skin	dark blue	dark blue
<input checked="" type="checkbox"/> Fruit: firmness	firm to very firm	medium
<input checked="" type="checkbox"/> *Fruit: sweetness	high to very high	medium
<input checked="" type="checkbox"/> *Fruit: acidity	low	medium
<input type="checkbox"/> *Plant: fruiting type	on one-year-old and current season's shoots	on one-year-old and current season's shoots
<input type="checkbox"/> *Time of: vegetative bud burst	very early	very early
<input type="checkbox"/> *Time of: beginning of flowering on one-year-old shoot	very early	very early
<input type="checkbox"/> *Time of: beginning of flowering on current year's shoot	very early	very early
<input type="checkbox"/> *Time of: beginning of fruit ripening on one-year-old shoot	very early	very early
<input type="checkbox"/> *Time of: beginning of fruit ripening on current year's shoot	very early	very early

Statistical Table

Organ/Plant Part: Context	'EB 8-50'	'EB 8-1'
<input type="checkbox"/> Leaf: length(mm)		
Mean	63.73	63.17
Std. Deviation	6.71	6.75
LSD/sig	13.47	ns

<input type="checkbox"/> Leaf: width(mm)		
Mean	32.85	29.60
Std. Deviation	4.77	3.80
LSD/sig	8.62	ns
<input type="checkbox"/> Fruit:diameter (mm)		
Mean	20.92	20.71
Std. Deviation	1.32	1.78
LSD/sig	3.30	ns
<input type="checkbox"/> Fruit: height(mm)		
Mean	16.75	14.78
Std. Deviation	1.13	0.95
LSD/sig	2.19	ns
<input type="checkbox"/> Fruit:calyx basin width(mm)		
Mean	6.42	8.12
Std. Deviation	0.66	1.19
LSD/sig	2.02	ns
<input checked="" type="checkbox"/> Fruit: calyx basin depth(mm)		
Mean	1.55	2.90
Std. Deviation	0.54	0.63
LSD/sig	1.24	P \leq 0.01
<input checked="" type="checkbox"/> Fruit: weight(g)		
Mean	5.04	4.00
Std. Deviation	0.10	0.13
LSD/sig	0.25	P \leq 0.01

Prior Applications and Sales

Nil

Description: **Dr Gavin Porter, ANFIC, Kallangur, QLD.**

Details of Application		
Application Number	2014/243	
Variety Name	'EB 9-2'	
Genus Species	<i>Vaccinium</i> hybrid	
Common Name	Southern Highbush Blueberry	
Synonym	n/a	
Accepted Date	23 December 2014	
Applicant	Rolfe Nominees, Crows Nest, QLD and Prunus Persica Pty Ltd, Joondalup, WA	
Agent	Australian Nurserymen's Fruit Improvement Company (ANFIC) Ltd, Kallangur, QLD	
Qualified Person	Dr Gavin Porter	
Details of Comparative Trial		
Location	Crows Nest, QLD	
Descriptor	Blueberry <i>Vaccinium</i> sp UPOV TG/137/4	
Period	2013-2014	
Conditions	Pots were grown in partially shaded polyhouse with drip irrigation.	
Trial Design	10 plants of both the variety and comparator were planted in 30L bags in a large trial block of blueberries. All cultural practices were done as per the commercial plants.	
Measurements	Measurements were taken from 5 of the 10 plants for both the variety and comparator.	
Origin and Breeding		
Controlled pollination: Breeding line 'BB1' x Breeding line '03-2 in 2006 at Yanchep Springs, Yanchep WA. Seed parent characterised by semi upright bush type, midseason flowering with medium to large firm fruit. Pollen parent characterised by semi upright growth habit, mid season flowering and large fruit size. Seed from seed parent, 'BB1', gave approximately 500 plants. First fruiting was in 2008 with assessment of fruit and growth habit evaluated. Further assessment in 2009 resulted in selection 'EB9-2', which showed desirable traits. Further testing including vegetative propagation has occurred 2010-2014 and lead to the conclusion EB9-2' to be a distinct and suitable variety. Selection Criteria: upright to semi upright bush type, large to very large to very large oblate fruit with excellent bloom and flavour, very early flowering and fruit maturity. Breeder: David Mazzardis.		
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	fruiting type	on one year old and current season shoots
Plant	time of vegetative budburst	very early
Plant	time of beginning of flowering on current year shoots	very early
Plant	time of beginning of	very early

	fruit ripening on current year shoots			
Fruit	size	large to very large		
Fruit	intensity of bloom	strong to very strong		
Fruit	skin colour	dark blue		
Most Similar Varieties of Common Knowledge identified (VCK)				
Name	Comments			
'EB 8-1'				
'Ridley 1111'				
Varieties of Common Knowledge identified and subsequently excluded				
Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Ridley 1111'	Fruit size	large to very large	medium to large	

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	'EB 9-2'	'EB 8-1'
<input checked="" type="checkbox"/> *Plant: vigour	strong to very strong	medium
<input type="checkbox"/> *Plant: growth habit	upright to semi-upright	semi-spreading
<input type="checkbox"/> One-year-old shoot: colour	green	green
<input checked="" type="checkbox"/> One-year-old shoot: length of internode	long to very long	medium to long
<input type="checkbox"/> *Leaf: length	short to medium	medium to long
<input type="checkbox"/> Leaf: width	narrow to medium	medium to broad
<input type="checkbox"/> Leaf: ratio length/width	large	medium to large
<input type="checkbox"/> *Leaf: shape	ovate	ovate
<input type="checkbox"/> Leaf: colour of upper side	green	green
<input type="checkbox"/> *Leaf: intensity of green colour on upper side	medium	light to medium
<input type="checkbox"/> *Leaf: margin	entire	entire
<input type="checkbox"/> Flower bud: anthocyanin colouration	very weak	very weak
<input type="checkbox"/> Inflorescence: length	medium	medium
<input type="checkbox"/> Flower: shape of corolla	urceolate	urceolate
<input type="checkbox"/> *Flower: size of corolla tube	medium	medium

<input type="checkbox"/> *Flower: anthocyanin colouration of corolla tube	absent or very weak	very weak to weak
<input type="checkbox"/> Flower: ridges on corolla tube	present	present
<input type="checkbox"/> Fruit cluster: density	medium to dense	medium
<input type="checkbox"/> *Unripe fruit: intensity of green colour	light to medium	medium
<input type="checkbox"/> *Fruit: size	large to very large	large
<input type="checkbox"/> *Fruit: shape in longitudinal section	oblate	oblate
<input type="checkbox"/> Fruit: attitude of sepals	erect to semi-erect	erect to semi-erect
<input checked="" type="checkbox"/> Fruit: type of sepals	reflexed	straight
<input type="checkbox"/> Fruit: diameter of calyx basin	medium	medium to large
<input type="checkbox"/> Fruit: depth of calyx basin	medium	medium
<input checked="" type="checkbox"/> *Fruit: intensity of bloom	very strong	strong
<input type="checkbox"/> *Fruit: colour of skin	dark blue	dark blue
<input checked="" type="checkbox"/> Fruit: firmness	firm to very firm	medium
<input checked="" type="checkbox"/> *Fruit: sweetness	high	medium
<input type="checkbox"/> *Fruit: acidity	low to medium	medium
<input type="checkbox"/> *Plant: fruiting type	on one-year-old and current season's shoots	on one-year-old and current season's shoots
<input type="checkbox"/> *Time of: vegetative bud burst	very early	very early
<input type="checkbox"/> *Time of: beginning of flowering on one-year-old shoot	very early	very early
<input type="checkbox"/> *Time of: beginning of flowering on current year's shoot	very early	very early
<input type="checkbox"/> *Time of: beginning of fruit ripening on one-year-old shoot	very early	very early
<input type="checkbox"/> *Time of: beginning of fruit ripening on current year's shoot	very early	very early

Statistical Table

Organ/Plant Part: Context	'EB 9-2'	'EB 8-1'
<input type="checkbox"/> Leaf: length(mm)		
Mean	61.13	63.17
Std. Deviation	5.70	6.75

LSD/sig	12.51	ns
<input type="checkbox"/> Leaf: width(mm)		
Mean	30.57	29.60
Std. Deviation	4.17	3.80
LSD/sig	7.99	ns
<input type="checkbox"/> Fruit: diameter(mm)		
Mean	21.62	20.72
Std. Deviation	0.80	1.78
LSD/sig	2.90	ns
<input type="checkbox"/> Fruit: height(mm)		
Mean	15.43	14.78
Std. Deviation	1.55	0.95
LSD/sig	2.71	ns
<input type="checkbox"/> Fruit: calyx basin width(mm)		
Mean	9.60	8.12
Std. Deviation	1.19	1.19
LSD/sig	2.49	ns
<input type="checkbox"/> Fruit: calyx basin depth(mm)		
Mean	2.97	2.90
Std. Deviation	0.72	0.63
LSD/sig	1.42	ns
<input checked="" type="checkbox"/> Fruit: weight(g)		
Mean	4.79	4.03
Std. Deviation	0.14	0.09
LSD/sig	0.24	P≤0.01

Prior Applications and Sales

Nil

Description: **Dr Gavin Porter**, ANFIC, Kallangur, QLD.

Details of Application		
Application Number	2014/244	
Variety Name	'EB 9-4'	
Genus Species	<i>Vaccinium</i> hybrid	
Common Name	Southern Highbush Blueberry	
Synonym	n/a	
Accepted Date	23 December 2014	
Applicant	Rolfe Nominees, Crows Nest, QLD and Prunus Persica Pty Ltd, Joondalup, WA	
Agent	Australian Nurserymen's Fruit Improvement Company (ANFIC) Ltd, Kallangur, QLD	
Qualified Person	Dr Gavin Porter	
Details of Comparative Trial		
Location	Crows Nest, QLD	
Descriptor	Blueberry <i>Vaccinium</i> sp UPOV TG/137/4	
Period	2013-2014	
Conditions	Pots were grown in partially shaded polyhouse with drip irrigation.	
Trial Design	10 plants of both the variety and comparator were planted in 30L bags in a large trial block of blueberries. All cultural practices were done as per the commercial plants.	
Measurements	Measurements were taken from 5 of the 10 plants for both the variety and comparator.	
Origin and Breeding		
Controlled pollination: Breeding line 'BB1' x Breeding line '99-4' in 2006 at Yanchep Springs, Yanchep WA. Seed parent characterised by upright bush type, midseason flowering with medium to large firm fruit. Pollen parent characterised by spreading growth habit, early flowering and large fruit size. Seed from seed parent, 'BB1', gave approximately 500 plants. First fruiting was in 2008 with assessment of fruit and growth habit evaluated. Further assessment in 2009 resulted in selection 'EB9-4', which showed desirable traits. Further testing including vegetative propagation has occurred 2010-2014 and lead to the conclusion EB9-4' to be a distinct and suitable variety. Selection Criteria: semi upright bush type, large to very large slightly flat fruit with excellent flavour, very early flowering and fruit maturity. Breeder: David Mazzardis.		
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	fruiting type	On one year old and current season shoots
Plant	time of vegetative budburst	very early
Plant	time of beginning of flowering on current year shoots	very early
Plant	time of beginning of	very early

	fruit ripening on current year shoots			
Fruit	size	large to very large		
Fruit	intensity of bloom	strong		
Fruit	skin colour	dark blue		
Most Similar Varieties of Common Knowledge identified (VCK)				
Name	Comments			
'EB 8-1'				
'Ridley 1111'				
Varieties of Common Knowledge identified and subsequently excluded				
Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Ridley 1111'	Fruit size	large to very large	medium to large	

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	'EB 9-4'	'EB 8-1'
<input type="checkbox"/> *Plant: vigour	medium	medium
<input checked="" type="checkbox"/> *Plant: growth habit	semi-upright to intermediate	semi-spreading
<input type="checkbox"/> One-year-old shoot: colour	green	green
<input type="checkbox"/> One-year-old shoot: length of internode	long	medium to long
<input type="checkbox"/> *Leaf: length	short to medium	medium
<input type="checkbox"/> Leaf: width	medium	medium
<input type="checkbox"/> Leaf: ratio length/width	medium	medium
<input type="checkbox"/> *Leaf: shape	ovate	ovate
<input type="checkbox"/> Leaf: colour of upper side	green	green
<input type="checkbox"/> *Leaf: intensity of green colour on upper side	dark	medium to dark
<input type="checkbox"/> *Leaf: margin	entire	entire
<input type="checkbox"/> Flower bud: anthocyanin colouration	very weak	very weak
<input type="checkbox"/> Inflorescence: length	medium to long	medium
<input type="checkbox"/> Flower: shape of corolla	urceolate	urceolate
<input checked="" type="checkbox"/> *Flower: size of corolla tube	large	medium
<input type="checkbox"/> *Flower: anthocyanin colouration of corolla tube	absent or very weak	very weak to weak
<input type="checkbox"/> Flower: ridges on corolla tube	present	present

<input type="checkbox"/>	Fruit cluster: density	medium	medium
<input type="checkbox"/>	*Unripe fruit: intensity of green colour	medium to dark	medium
<input type="checkbox"/>	*Fruit: size	large to very large	large
<input type="checkbox"/>	*Fruit: shape in longitudinal section	oblate	oblate
<input type="checkbox"/>	Fruit: attitude of sepals	semi-erect	erect to semi-erect
<input checked="" type="checkbox"/>	Fruit: type of sepals	incurving	straight
<input type="checkbox"/>	Fruit: diameter of calyx basin	small	medium to large
<input type="checkbox"/>	Fruit: depth of calyx basin	shallow to medium	medium
<input type="checkbox"/>	*Fruit: intensity of bloom	strong	strong
<input type="checkbox"/>	*Fruit: colour of skin	dark blue	dark blue
<input checked="" type="checkbox"/>	Fruit: firmness	firm	medium
<input checked="" type="checkbox"/>	*Fruit: sweetness	high	medium
<input type="checkbox"/>	*Fruit: acidity	low to medium	medium
<input type="checkbox"/>	*Plant: fruiting type	on one-year-old and current season's shoots	on one-year-old and current season's shoots
<input type="checkbox"/>	*Time of: vegetative bud burst	very early	very early
<input type="checkbox"/>	*Time of: beginning of flowering on one-year-old shoot	very early	very early
<input type="checkbox"/>	*Time of: beginning of flowering on current year's shoot	very early	very early
<input type="checkbox"/>	*Time of: beginning of fruit ripening on one-year-old shoot	very early	very early
<input type="checkbox"/>	*Time of: beginning of fruit ripening on current year's shoot	very early	very early

Statistical Table

Organ/Plant Part: Context	'EB 9-4'	'EB 8-1'
<input type="checkbox"/> Leaf: length(mm)		
Mean	67.47	63.17
Std. Deviation	5.53	6.75
LSD/sig	12.36	ns
<input type="checkbox"/> Leaf: width(mm)		
Mean	29.10	29.60
Std. Deviation	3.35	3.80
LSD/sig	7.17	ns
<input type="checkbox"/> Fruit: diameter(mm)		

Mean	24.52	20.72
Std. Deviation	3.24	1.78
LSD/sig	5.50	ns
<input type="checkbox"/> Fruit: height(mm)		
Mean	14.20	14.78
Std. Deviation	2.03	0.95
LSD/sig	3.33	ns
<input type="checkbox"/> Fruit: calyx basin width(mm)		
Mean	9.58	8.12
Std. Deviation	1.06	1.19
LSD/sig	2.37	ns
<input type="checkbox"/> Fruit: calyx basin depth(mm)		
Mean	3.22	2.90
Std. Deviation	0.93	0.63
LSD/sig	1.65	ns
<input checked="" type="checkbox"/> Fruit: weight(g)		
Mean	4.67	4.05
Std. Deviation	0.145	0.11
LSD/sig	0.28	P≤0.01

Prior Applications and Sales

Nil

Description: **Dr Gavin Porter**, ANFIC, Kallangur, QLD.

Details of Application	
Application Number	2014/268
Variety Name	'Scorpius'
Genus Species	<i>Spinacea oleracea</i>
Common Name	Spinach
Synonym	Nil
Accepted Date	18 Nov 2014
Applicant	Nunhems B.V., Haelen, The Netherlands
Agent	Shelston IP, Sydney, NSW
Qualified Person	John Oates

Details of Comparative Trial

Overseas Testing Authority	Naktuinbouw, The Netherlands
Overseas Data Reference Number	SPN00573
Location	Naktuinbouw, Roelofarendsveen, The Netherlands
Descriptor	<i>Spinacea oleracea</i> UPOV TG/55/7
Period	2012-2013

Origin and Breeding

Controlled pollination: Female parent: several generations of inbreeding in a hybrid, selection based on downy mildew resistance and delayed male flowering. Male parent: several generations of inbreeding in another hybrid, selection based on downy mildew resistance and efficient male flowering. Following several generations of inbreeding of both the female and the male parent hybridization was effected in 2010, The F1 was selfed and subsequent generations have been produced by bulk production under isolation. Breeder: Nunhems, Haelen, The Netherlands.

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 blade	intensity of green colour	very dark
Leaf blade	blistering	weak to medium
Flowering plants	proportion of monoecious plants	very high
Flowering plants	proportion of female plants	absent or very low
Flowering plants	proportion of male plants	absent on very low
Time of bolting	for spring sown crops, 15% of plants	late to very late

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Palco'	
'Mighty'	
'Novico'	

Varieties of Common Knowledge identified and subsequently excluded					
Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Mighty'	Plant	resistance to <i>Peronospora farinosa</i> f. sp. spinaciae Races 5 -13	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	'Scorpius'	'Novico'	'Palco'
<input type="checkbox"/> *Seed: spines	absent	absent	absent
<input checked="" type="checkbox"/> Seedling: length of cotyledon	short	medium to long	medium to long
<input checked="" type="checkbox"/> *Leaf blade: intensity of green colour	very dark	medium	light to medium
<input type="checkbox"/> *Leaf blade: blistering	weak	weak to medium	weak to medium
<input type="checkbox"/> *Leaf blade: lobing	weak	weak to medium	weak
<input type="checkbox"/> *Petiole: attitude	horizontal	semi-erect	semi-erect
<input checked="" type="checkbox"/> Petiole: length	very short to short	medium to long	medium
<input type="checkbox"/> *Leaf blade: attitude	horizontal	horizontal	horizontal
<input type="checkbox"/> *Leaf blade: shape	triangular	triangular	ovate
<input type="checkbox"/> Leaf blade: curving of margin	flat	flat	incurved
<input type="checkbox"/> *Leaf blade: shape of apex	obtuse	acute	obtuse
<input type="checkbox"/> *Leaf blade: shape in longitudinal section	flat	concave	convex
<input type="checkbox"/> *Flowering plants: proportion of monoecious plants	very high	very high	very high
<input type="checkbox"/> *Flowering plants: proportion of female plants	absent or very low	absent or very low	absent or very low
<input type="checkbox"/> *Flowering plants: proportion of male plants	absent or very low	absent or very low	absent or very low
<input type="checkbox"/> *Time of start of bolting (for spring sown crops, 15% of plants)	late to very late	late	late

<u>Characteristics Additional to the Descriptor/TG</u>			
Organ/Plant Part: Context	'Scorpius'	'Novico'	'Palco'
<input type="checkbox"/> Resistance to: <i>Peronospora farinosa</i> f. <i>spinaciae</i> Race 5	present	present	-
<input checked="" type="checkbox"/> Resistance to : <i>Peronospora farinosa</i> f. <i>spinaciae</i>	present	present	absent

Race 6			
<input checked="" type="checkbox"/> Resistance to: <i>Peronospora farinosa f. spinaciae</i> Race 7	present	present	absent
<input type="checkbox"/> Resistance to : <i>Peronospora farinosa f. spinaciae</i> Race 8	present	present	-
<input checked="" type="checkbox"/> Resistance to: <i>Peronospora farinosa f. spinaciae</i> Race 10	present	present	absent
<input type="checkbox"/> Resistance to: <i>Peronospora farinosa f. spinaciae</i> Race 11	present	present	-
<input type="checkbox"/> Resistance to: <i>Peronospora farinosa f. spinaciae</i> Race 12	present	present	-
<input checked="" type="checkbox"/> Resistance to: <i>Peronospora farinosa f. spinaciae</i> Race 13	present	absent	-
<input type="checkbox"/> Resistance to : <i>Peronospora farinosa f. spinaciae</i> Race 14	present	present	-
<input type="checkbox"/> Resistance to: <i>Peronospora farinosa f. spinaciae</i> Race 15	absent	absent	-
<input type="checkbox"/> Resistance to: <i>Peronospora farinosa f. spinaciae</i> Race 9	present	present	-

Prior Applications and Sales

Country	Year	Current Status	Name Applied
European Union	2012	Granted	'Scorpius'
The Netherlands	2011	Granted	'Scorpius'
New Zealand	2014	Applied	'Scorpius'

First sold in Spain in August 2012 and in Australia in November 2013.

Description: **John Oates**, Merimbula, NSW.

Details of Application	
Application Number	2014/124
Variety Name	'Bison'
Genus Species	<i>xTriticosecale</i>
Common Name	Triticale
Synonym	Nil
Accepted Date	06 Aug 2014
Applicant	Australian Grain Technologies Pty Ltd, Urrbrae, SA.
Agent	N/A
Qualified Person	Andrew Cecil
Details of Comparative Trial	
Location	Roseworthy, South Australia
Descriptor	Triticale (<i>xTriticosecale</i>) UPOV TG /121/3
Period	2014
Conditions	A comparative trial was sown on the Roseworthy Campus of the University of Adelaide. In 2013 the area carried a faba bean crop which was harvested for grain. Pre-seeding herbicides Boxer Gold (2.5 l/ha), Roundup Attack (1 l/ha), trifluralin (0.8 l/ha), Hammer (55 ml/ha) and Avadex (2.5 l/ha) together with an insecticide Imidan (300 ml/ha) were applied prior to seeding. The trial was sown on 13th May 2014 and 90kg DAP + 2.5% zinc fertiliser was applied with the seed. The season was very favourable for growth of the crop and of weeds and disease. The trial was sprayed post emergence on 3rd July with MCPA750 (330 ml/ha), Lontrel Advance (60 ml/ha), Ally (7 gm/ha), Affinity (100 ml/ha) to control weeds and Dimethoate (100 ml/ha) insecticide. A further herbicide spray was applied on 21st July, Axial (250 ml/ha) and Hasten (500 ml/100 l), to control wild oats. On the 15th of July 20 units of liquid N fertiliser was applied. The trial was sprayed on 14th of August and 5th of September to control fungal pathogens each time with Prosaro (150 mls/ha) + BS1000 (250 ml/100 l) At no time was the trial stressed by the weather so varieties were able to fully express their genetic potential. The trial was harvested on 17th October 2014
Trial Design	Randomised block design of 3 blocks and 120 entries consisting of comparators and potential candidates. Sown in 12 ranges of 10 plots wide, block 1 being in ranges 1 to 4 and so on. Plots were 1.25m wide (5 rows) and 3.2m long. There were approximately 1000 plants per plot. Qualitative characters were recorded for every replicate at the appropriate growth stage.
Measurements	Quantitative characters were measured on 10 randomly sampled plants from each replicate, the samples being taken at the appropriate growth stage or after maturity. Statistical analyses were completed using GENSTAT software.
RHS Chart - edition	N/A

Origin and Breeding				
Controlled pollination: A simple cross of breeders line TSA0030 to PT344 (TSA0030/PT344) was made in the greenhouse at Roseworthy Agricultural College (RAC) in Autumn 2006, resulting in the population coded TS06037. F1 seed was selfed and the F2 population grown in the field at the Plant Breeding Centre (PBC) Horsham in summer of 2006/07 with selection for stem rust and maturity. F3 population was grown in the field at RAC, Roseworthy in the Winter/Spring of 2007. Selection was made for stripe rust resistance and plant type. A bulk based on this selection was grown over the summer of 2007/08 at the PBC, Horsham with selection for stem rust and maturity. Single plants were selected based on maturity, stem rust and plant type. Selection TS06037-82 became TSA0451. This was multiplied over during Winter/Spring 2008 at the RAC, Roseworthy. In 2009 it entered yield trials for the first time. TSA0451 was subsequently evaluated for grain yield, quality and disease resistance from 2009 to 2014 in AGT nurseries across New South Wales, Victoria, South Australia and Western Australia. In 2013-2014 TSA0451 was entered into NVT trials. Seed purification began in 2012 and this seed has been used as the source of seed for commercial seed multiplication. Breeders - Jason Reinheimer, James Edwards, Britt Kalmeier, Australian Grain Technologies Pty Ltd.				
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	
Ploidy	ploidy		hexaploid	
Plant	growth habit		semi-erect to intermediate	
Flag leaf	frequency of recurved leaf		medium	
Anthers	anthocyanin colouration		absent	
Ear	colour		white	
Awns	length		short	
Most Similar Varieties of Common Knowledge identified (VCK)				
Name		Comments		
'Hawkeye'				
'Rufus'				
Varieties of Common Knowledge identified and subsequently excluded				
Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety
'Fusion'	Awns above tip of ear	length	very short to short	very long
'Jaywick'	Awns above tip of ear	length	very short to short	very 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	'Bison'	'Hawkeye'	'Rufus'
<input type="checkbox"/> *Ploidy:	hexaploid	hexaploid	hexaploid
<input type="checkbox"/> *Plant: growth habit	semi-erect to intermediate	semi-erect to intermediate	intermediate
<input type="checkbox"/> Plant: frequency of plants with recurved flag leaves	medium	low to medium	medium
<input type="checkbox"/> Flag leaf: anthocyanin colouration of auricles	absent or very weak	weak	absent or very weak
<input type="checkbox"/> *Flag leaf: glaucosity of sheath	strong	strong	medium to strong
<input type="checkbox"/> Awn: anthocyanin colouration	weak	weak	weak to medium
<input type="checkbox"/> Anthers: anthocyanin colouration	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/> Ear: glaucosity	strong	strong	strong
<input type="checkbox"/> *Stem: density of hairiness of neck	strong	strong	medium to strong
<input type="checkbox"/> *Ear: distribution of awns	fully awned	fully awned	fully awned
<input checked="" type="checkbox"/> *Awns above the tip of ear: length	very short to short	short to medium	short
<input type="checkbox"/> *Lower glume: length of first beak	short	short to medium	short
<input type="checkbox"/> Lower glume: size of second beak	absent or very small	absent or very small	absent or very small
<input type="checkbox"/> *Lower glume: hairiness on external surface	absent	present	absent
<input type="checkbox"/> Straw: pith in cross section	thin	thin to medium	very thin to thin
<input type="checkbox"/> Ear: colour	white	white	white
<input type="checkbox"/> Ear: density	medium	medium to dense	medium
<input checked="" type="checkbox"/> Ear: width in profile view	medium to broad	medium	narrow to medium
<input type="checkbox"/> *Seasonal type:	spring type	spring type	spring type

Statistical Table			
Organ/Plant Part: Context	'Bison'	'Hawkeye'	'Rufus'
<input checked="" type="checkbox"/> Plant: height (cm)			
Mean	111.85	112.80	115.85
Std. Deviation	4.24	3.00	2.64
LSD/sig	2.79	ns	P≤0.01

<input checked="" type="checkbox"/> Plant: Time of ear emergence (Julian days)			
Mean	240.00	246.00	241.00
Std. Deviation	1.83	0.00	0.00
LSD/sig	3.00	P≤0.01	ns
<input checked="" type="checkbox"/> Ear: length (mm)			
Mean	123.80	127.60	113.70
Std. Deviation	11.28	8.90	11.60
LSD/sig	6.15	ns	P≤0.01
<input type="checkbox"/> Flag Leaf: width (cm)			
Mean	1.74	1.86	1.72
Std. Deviation	0.20	0.21	0.18
LSD/sig	0.14	ns	ns
<input checked="" type="checkbox"/> Flag Leaf: length (cm)			
Mean	22.68	26.54	25.33
Std. Deviation	3.29	3.58	3.74
LSD/sig	2.35	P≤0.01	P≤0.01

Prior Applications and Sales

Nil.

Description: **Andrew Cecil**, Australian Grain Technologies Pty Ltd, Urrbrae, SA.

Details of Application		
Application Number	2013/258	
Variety Name	'Harper'	
Genus Species	<i>Triticum aestivum</i>	
Common Name	Wheat	
Synonym	Nil	
Accepted Date	15 Nov 2013	
Applicant	InterGrain Pty Ltd, Bibra Lake, WA.	
Agent	N/A	
Qualified Person	David Collins	
Details of Comparative Trial		
Location	Wongan Hills, Research Station, WA.	
Descriptor	Wheat <i>Triticum aestivum</i> (TG/3/11 + corr.)	
Period	May to Dec 2014	
Conditions	Trial site duplex light grey sand (pH 4.5 in CaCl ₂)/yellow mottled clay. Site sprayed Sprayseed at 2 l/ha and Boxer Gold at 2.5 l/ha on the 18/05/14. Trial sown with Macro Pro Plus at 90 kg/ha on the 19/05/14. Trial sprayed with Jaguar for broadleaf weed control on the 13/06/14 and TD with 50 kg/ha Urea at tillering.	
Trial Design	Randomised block design with 2 replicates. Plots 1.42 m wide and 20 m long (7 rows x 220 spacing)	
Measurements	Measurements taken from 10 specimens per plot selected at random from approximately 2000 plants. One measurement per plant	
RHS Chart - edition	N/A	
Origin and Breeding		
Controlled pollination: the seed parent of 'Yitpi' was emasculated then pollinated with pollen from the variety 'Styler'. The breeding method was the F ₂ progeny method. The variety was selfed from F ₂ onwards and reselections were made in the F ₅ generation. These reselections were tested as fixed lines for five generations. Selection criteria: yield, disease resistance, agronomic and grain quality suited to the high, medium and low rainfall zones of the agricultural areas of Australia. Propagation: seed through 5 generations (selection) and 5 years of performance testing as a fixed line by the Department of Agriculture WA and InterGrain. Breeders: Robin Wilson and Chris Moore, InterGrain Pty Ltd, Bibra Lake, WA.		
Choice of Comparators Characteristics used for grouping varieties to identify the most similar Variety of Coon Knowledge		
Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	growth habit	erect
Ear	presence of awns	present
Ear	colour	white
Most Similar Varieties of Common Knowledge identified (VCK)		
Name	Comments	
'Yitpi'	early growth habit erect, ear awned and white	

'Scout'	early growth habit erect, ear awned and white
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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	'Harper'	'Scout'	'Yitpi'
<input type="checkbox"/> Coleoptile: anthocyanin colouration	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/> *Plant: growth habit	erect	erect	erect
<input checked="" type="checkbox"/> Flag leaf: anthocyanin colouration of auricles	absent or very weak	weak	weak to medium
<input type="checkbox"/> Plant: frequency of plants with recurved flag leaves	high	high	high
<input type="checkbox"/> *Time of: ear emergence	medium	medium	medium
<input type="checkbox"/> *Flag leaf: glaucosity of sheath	strong	strong	strong
<input type="checkbox"/> *Ear: glaucosity	medium to strong	medium to strong	medium to strong
<input type="checkbox"/> *Plant: length	medium	medium	medium to long
<input type="checkbox"/> *Straw: pith in cross section	thin	thin	thin
<input type="checkbox"/> *Ear: shape in profile	parallel sided	tapering	tapering
<input type="checkbox"/> *Ear: density	lax	lax	lax to medium
<input type="checkbox"/> Ear: length	medium to long	medium to long	short to medium
<input type="checkbox"/> *Awns or scurs: presence	awns present	awns present	awns present
<input checked="" type="checkbox"/> *Awns of scurs at tip of ear: length	medium to long	short	short to medium
<input type="checkbox"/> *Ear: colour	white	white	white
<input type="checkbox"/> Lower glume: shoulder width	medium to broad	medium to broad	medium to broad
<input checked="" type="checkbox"/> Lower glume: shoulder shape	slightly sloping to straight	straight	sloping
<input checked="" type="checkbox"/> Lower glume: beak length	short to medium	very short to short	medium to long
<input type="checkbox"/> Lower glume: beak shape	straight to slightly curved	straight	slightly curved
<input type="checkbox"/> Lower glume: extent of internal hair	very weak to weak	weak to medium	very weak to weak
<input type="checkbox"/> Lowest lemma: beak shape	straight to slightly curved	straight to slightly curved	slightly curved to moderately curved
<input type="checkbox"/> *Grain: colour	white	white	white
<input type="checkbox"/> *Seasonal type:	spring type	spring type	spring type

Statistical Table

Organ/Plant Part: Context	'Harper'	'Scout'	'Yitpi'
<input type="checkbox"/> Plant: length (cm)			
Mean	75.09	73.63	79.58
Std. Deviation	5.19	5.39	3.74
LSD/sig	4.11	ns	P≤0.01
<input checked="" type="checkbox"/> Flag leaf: length (mm)			
Mean	235.58	208.05	219.42
Std. Deviation	27.39	29.28	33.10
LSD/sig	22.90	P≤0.01	ns
<input checked="" type="checkbox"/> Flag leaf: width (mm)			
Mean	16.34	15.46	16.52
Std. Deviation	0.54	0.78	1.41
LSD/sig	0.88	P=0.01	ns
<input type="checkbox"/> Ear: length (mm)			
Mean	76.29	77.57	67.03
Std. Deviation	9.04	6.39	7.01
LSD/sig	6.77	ns	P≤0.01
<input checked="" type="checkbox"/> Awn or scurs at tip of ear: length (mm)			
Mean	47.13	33.16	39.57
Std. Deviation	8.76	8.61	9.74
LSD/sig	7.54	P≤0.01	P≤0.01
<input type="checkbox"/> Glume: length (mm)			
Mean	8.72	8.60	8.68
Std. Deviation	0.74	0.35	0.42
LSD/sig	0.54	ns	ns
<input type="checkbox"/> Glume: width (mm)			
Mean	4.15	4.08	4.14
Std. Deviation	0.25	0.24	0.25
LSD/sig	0.20	ns	ns
<input checked="" type="checkbox"/> Glume beak: length (mm)			
Mean	3.62	2.12	4.14
Std. Deviation	0.65	0.50	0.72
LSD/sig	0.53	P≤0.01	ns

Prior Applications and Sales

Nil

Description: **David Collins**, Northam, WA.

Details of Application	
Application Number	2014/100
Variety Name	'HATCHET CL PLUS'
Genus Species	<i>Triticum aestivum</i>
Common Name	Wheat
Synonym	Nil
Accepted Date	02 Jul 2014
Applicant	Australian Grain Technologies Pty Ltd, Urrbrae, SA.
Agent	N/A
Qualified Person	Andrew Cecil
Details of Comparative Trial	
Location	Roseworthy, South Australia
Descriptor	Wheat (<i>Triticum aestivum</i>) UPOV TG/3/11
Period	2014
Conditions	A comparative trial was sown on the Roseworthy Campus of the University of Adelaide. In 2013 the area carried a faba bean crop which was harvested for grain. Pre-seeding herbicides Boxer Gold (2.5 l/ha), Roundup Attack (1 l/ha), trifluralin (0.8 l/ha), Hammer (55 ml/ha) and Avadex (2.5 l/ha) together with an insecticide Imidan (300 ml/ha) were applied prior to seeding. The trial was sown on 13th May 2014 and 90kg DAP + 2.5% zinc fertiliser was applied with the seed. The season was very favourable for growth of the crop and of weeds and disease. The trial was sprayed post emergence on 3rd July with MCPA750 (330 ml/ha), Lontrel Advance (60 ml/ha), Ally (7 gm/ha), Affinity (100 ml/ha) to control weeds and Dimethoate (100 ml/ha) insecticide. A further herbicide spray was applied on 21st July, Axial (250 ml/ha) and Hasten (500 ml/100 l), to control wild oats. On the 15th of July 20 units of liquid N fertiliser was applied. The trial was sprayed on 14th of August and 5th of September to control fungal pathogens each time with Prosaro (150 mls/ha) + BS1000 (250 ml/100 l) At no time was the trial stressed by the weather so varieties were able to fully express their genetic potential. The trial was harvested on 17th October 2014
Trial Design	Randomised block design of 3 blocks and 120 entries consisting of comparators and potential candidates. Sown in 12 ranges of 10 plots wide, block 1 being in ranges 1 to 4 and so on. Plots were 1.25m wide (5 rows) and 3.2m long. There were approximately 1000 plants per plot. Qualitative characters were recorded for every replicate at the appropriate growth stage.
Measurements	Quantitative characters were measured on 10 randomly sampled plants from each replicate, the samples being taken at the appropriate growth stage or after maturity. Statistical analyses were completed using GENSTAT software.
RHS Chart - edition	N/A

Origin and Breeding
Controlled Pollination : A cross was completed between Axe and an F1 CO7441 (RAC1294/4/RAC1268/3/Janz*2//Wilg4/11A) in 2005 resulting in the population coded CO7613 with pedigree (AXE/5/RAC1294/4/RAC1268/3/Janz*2//Wilg4/11A). F1 seed was grown in a greenhouse during 2005 and the F2 population grown over summer (2005/6) at Roseworthy(SA). The F3 population was grown over winter 2006 and treated with imidazolinone to select tolerant individuals for further multiplication over summer 2006/07. These lines entered stage 1 testing in 2007 and selections from an elite individual (CO7613-007) were planted at Horsham over summer (2007/08). A pure breeding selection from CO7613-007 (CO7613-007-001) was included in stage 1 testing in 2008, stage 2 testing in 2009, stage 3 testing in 2010 and stage 4 testing in 2011. Over this time, lines were evaluated for tolerance to imidazolinone herbicide, agronomic performance, end use quality and disease resistance at nurseries located in WA, SA, Vic, NSW and QLD. At the end of stage 2 testing in 2009 CO7613-007-001 was named RAC1843 and was included in advanced trialling. After multiplying pure breeder's seed during 2011, 2011/12, and 2012, RAC1843 began foundation seed multiplication in 2013 and 2014. Breeder: Dr James Edwards and Dr Haydn Kuchel, Australian Grain Technologies Pty Ltd

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	tolerance to imidazolinone herbicide at 750 ml per hectare	high to very high
Plant	tolerance to imidazolinone herbicide at 1500 ml per hectare	high to very high
Plant	growth habit	semi erect
Ear	density	medium
Awns	presence	present
Awns	length	medium
Ear	colour	white
Grain	colour	white
Plant	seasonal type	spring type

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Grenade CL Plus'	
'Elmore CL Plus'	
'Justica CL Plus'	
'Kord CL Plus'	

Varieties of Common Knowledge identified and subsequently excluded			
Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety
'Impose CL Plus'	Straw: pith in cross section	very thin	medium to thick
'Clearfield WHT JNZ'	Plant: tolerance to imidazolinone herbicide at 750 ml per hectare	high to very high	medium to high
'Clearfield WHT JNZ'	Plant: tolerance to imidazolinone herbicide at 1500 ml per hectare	high to very high	low
'Clearfield WHT STL'	Plant: tolerance to imidazolinone herbicide at 750 ml per hectare	high to very high	medium to 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	'HATCHET CL PLUS'	'Elmore CL Plus'	'Grenade CL Plus'	'Justica CL Plus'	'Kord CL Plus'
<input type="checkbox"/> *Plant: growth habit	semi-erect	semi-erect to intermediate	semi-erect to intermediate	semi-erect	semi-erect to intermediate
<input type="checkbox"/> Flag leaf: anthocyanin colouration of auricles	absent or very weak	absent or very weak	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/> Plant: frequency of plants with recurved flag leaves	medium	low to medium	low to medium	low to medium	absent or very low
<input checked="" type="checkbox"/> *Flag leaf: glaucosity of sheath	absent or very weak	strong to very strong	strong to very strong	strong	strong to very strong
<input checked="" type="checkbox"/> *Ear: glaucosity	weak	strong	strong	strong	strong to very strong
<input checked="" type="checkbox"/> Culm: glaucosity of neck	weak	strong to very strong	strong to very strong	medium to strong	medium to strong
<input type="checkbox"/> *Straw: pith in cross section	very thin	thin	thin	very thin to thin	thin
<input type="checkbox"/> *Ear: shape in profile	parallel sided	tapering	tapering	parallel sided	parallel sided
<input type="checkbox"/> *Ear: density	lax to medium	medium	medium	lax to medium	medium
<input type="checkbox"/> *Awns or scurs: presence	awns present	awns present	awns present	awns present	awns present
<input type="checkbox"/> *Awns of scurs at tip of ear: length	long	medium	medium	short to medium	short to medium

<input type="checkbox"/> *Ear: colour	white	white	white	white	white
<input type="checkbox"/> Apical rachis segment: hairiness of convex surface	absent or very weak	weak	weak	absent or very weak	very weak to weak
<input type="checkbox"/> Lower glume: shoulder width	medium	medium	medium	narrow	medium
<input type="checkbox"/> Lower glume: shoulder shape	slightly sloping	straight to elevated	straight to elevated	sloping to slightly sloping	straight
<input type="checkbox"/> Lower glume: beak length	long to very long	medium	medium	medium	short to medium
<input type="checkbox"/> Lower glume: beak shape	straight to slightly curved	straight to slightly curved	straight to slightly curved	slightly curved to moderately curved	straight to slightly curved
<input type="checkbox"/> Lower glume: extent of internal hair	very weak	very weak	very weak	very weak	very weak
<input type="checkbox"/> *Grain: colour	white	white	white	white	white
<input type="checkbox"/> *Seasonal type:	spring type	spring type	spring type	spring type	spring type

Statistical Table

Organ/Plant Part: Context	'HATCHET CL PLUS'	'Elmore CL Plus'	'Grenade CL Plus'	'Justica CL Plus'	'Kord CL Plus'
<input checked="" type="checkbox"/> Plant: height (cm)					
Mean	79.05	91.20	91.80	84.95	89.10
Std. Deviation	3.36	4.69	2.78	3.02	2.86
LSD/sig	2.79	P≤0.01	P≤0.01	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Plant : Time of ear emergence (Julian days)					
Mean	227.25	250.00	246.00	249.00	249.70
Std. Deviation	2.79	1.00	1.73	1.00	2.31
LSD/sig	3.00	P≤0.01	P≤0.01	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Ear: length (mm)					
Mean	83.40	93.20	97.00	93.80	92.90
Std. Deviation	5.00	7.96	8.68	6.22	5.84
LSD/sig	6.15	P≤0.01	P≤0.01	P≤0.01	P≤0.01

Prior Applications and Sales

Nil.

Description: **Andrew Cecil**, Australian Grain Technologies Pty Ltd, Urrbrae, SA.

Details of Application		
Application Number	2014/178	
Variety Name	'Cosmick'	
Genus Species	<i>Triticum aestivum</i>	
Common Name	Wheat	
Synonym	IGW3423	
Accepted Date	21 Aug 2014	
Applicant	InterGrain Pty Ltd, Bibra Lake, WA.	
Agent	N/A	
Qualified Person	David Collins	
Details of Comparative Trial		
Location	Wongan Hills Research Station WA	
Descriptor	Wheat <i>Triticum aestivum</i> (TG/3/11 + corr.)	
Period	May 14 to Dec 14	
Conditions	Trial site duplex light grey sand (pH 4.5 in CaCl ₂)/yellow mottled clay. Site sprayed Sprayseed at 2 l/ha and Boxer Gold at 2.5 l/ha on the 18/05/14. Trial sown with Macro Pro Plus at 90 kg/ha on the 19/05/14. Trial sprayed with Jaguar for broadleaf weed control on the 13/06/14 and TD with 50 kg/ha Urea at tillering.	
Trial Design	Randomised block design with 2 replicates. Plots 1.42 m wide and 20 m long (7 rows x 220 spacing)	
Measurements	Measurements taken from 10 specimens per plot, selected at random from approximately 2000 plants. One measurement per plant.	
RHS Chart - edition	N/A	
Origin and Breeding		
Controlled pollination: complex cross involving parents 'Strzelecki' and 'EGA Bonnie Rock'. The breeding method was a modified F ₂ progeny method. The variety was selfed from F ₂ onwards and reselections were made in the F ₅ generation. These reselections were tested as fixed lines for five generations. Selection criteria: yield, disease resistance, agronomic and grain quality suited to the high, medium and low rainfall zones of the agricultural areas of Australia. Propagation: seed through 5 generations (selection) and 5 years of performance testing as a fixed line by the Department of Agriculture WA and InterGrain Pty Ltd. Breeders: Dr Chris Moore and Mr Robin Wilson, InterGrain Pty Ltd, Bibra Lake, WA.		
Choice of Comparators Characteristics used for grouping varieties to identify the most similar Variety of Coon Knowledge		
Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	growth habit	erect
Ear	colour	white
Ear	presence of awns	present
Name	Comments	
'EGA Bonnie Rock'	early growth habit erect, white awned ear	
'Mace'	early growth habit erect, white awned ear	

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	‘Cosmick’	‘EGA Bonnie Rock’	‘Mace’
<input type="checkbox"/> Coleoptile: anthocyanin colouration	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/> *Plant: growth habit	erect	erect	erect
<input type="checkbox"/> Flag leaf: anthocyanin colouration of auricles	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/> Plant: frequency of plants with recurved flag leaves	high	high	high
<input type="checkbox"/> *Time of: ear emergence	medium	medium	medium
<input type="checkbox"/> *Flag leaf: glaucosity of sheath	strong	strong	strong
<input type="checkbox"/> *Ear: glaucosity	medium to strong	medium to strong	medium to strong
<input checked="" type="checkbox"/> *Plant: length	medium	short to medium	medium
<input type="checkbox"/> *Straw: pith in cross section	thin	thin to medium	thin
<input type="checkbox"/> *Ear: shape in profile	tapering	tapering	tapering
<input type="checkbox"/> *Ear: density	lax	lax	lax to medium
<input type="checkbox"/> Ear: length	medium	medium	medium
<input type="checkbox"/> *Awns or scurs: presence	awns present	awns present	awns present
<input type="checkbox"/> *Awns of scurs at tip of ear: length	medium	medium	short to medium
<input type="checkbox"/> *Ear: colour	white	white	white
<input type="checkbox"/> Lower glume: shoulder width	medium	narrow to medium	narrow to medium
<input type="checkbox"/> Lower glume: shoulder shape	straight to elevated	elevated	straight to elevated
<input checked="" type="checkbox"/> Lower glume: beak length	medium	long	medium to long
<input type="checkbox"/> Lower glume: beak shape	straight	straight to slightly curved	straight to slightly curved
<input type="checkbox"/> Lower glume: extent of internal hair	medium	weak to medium	very weak to weak
<input type="checkbox"/> Lowest lea: beak shape	straight to slightly curved	straight to slightly curved	straight to slightly curved
<input type="checkbox"/> *Grain: colour	white	white	white
<input type="checkbox"/> *Seasonal type:	spring type	spring type	spring type

Statistical Table			
Organ/Plant Part: Context	‘Cosmick’	‘EGA Bonnie Rock’	‘Mace’
<input checked="" type="checkbox"/> Plant: length (cm)			
Mean	76.86	72.15	75.22
Std. Deviation	5.06	6.24	4.76
LSD/sig	4.44	P≤0.01	ns
<input type="checkbox"/> Flag leaf: length (mm)			
Mean	196.85	202.55	191.98
Std. Deviation	30.42	30.43	25.85
LSD/sig	24.57	ns	ns
<input type="checkbox"/> Flag leaf: width (mm)			
Mean	17.19	15.89	15.66
Std. Deviation	1.44	1.46	1.02
LSD/sig	1.14	P≤0.01	P≤0.01
<input type="checkbox"/> Ear: length(mm)			
Mean	65.64	69.18	67.76
Std. Deviation	6.42	5.32	6.10
LSD/sig	5.08	ns	ns
<input checked="" type="checkbox"/> Awn: length(mm)			
Mean	56.22	54.17	47.07
Std. Deviation	7.89	10.65	12.67
LSD/sig	8.40	ns	P≤0.01
<input type="checkbox"/> Glume: length (mm)			
Mean	8.64	8.67	8.98
Std. Deviation	0.52	0.40	0.75
LSD/sig	0.47	ns	ns
<input checked="" type="checkbox"/> Glume: width(mm)			
Mean	3.76	3.73	4.01
Std. Deviation	0.26	0.28	0.32
LSD/sig	0.23	ns	P≤0.01
<input checked="" type="checkbox"/> Glume beak: length (mm)			
Mean	6.12	7.67	6.27
Std. Deviation	1.86	1.76	1.55
LSD/sig	1.50	P≤0.01	ns

Prior Applications and Sales

Nil

Description: **David Collins**, Northam, WA.

Details of Application	
Application Number	2014/128
Variety Name	'Bremer'
Genus Species	<i>Triticum aestivum</i>
Common Name	Wheat
Synonym	Nil
Accepted Date	01 Aug 2014
Applicant	Australian Grain Technologies Pty Ltd, Urrbrae, SA.
Agent	N/A
Qualified Person	Andrew Cecil
Details of Comparative Trial	
Location	Roseworthy, South Australia
Descriptor	Wheat (<i>Triticum aestivum</i>) UPOV TG/3/11
Period	2014
Conditions	A comparative trial was sown on the Roseworthy Campus of the University of Adelaide. In 2013 the area carried a faba bean crop which was harvested for grain. Pre-seeding herbicides Boxer Gold (2.5 l/ha), Roundup Attack (1 l/ha), trifluralin (0.8 l/ha), Hammer (55 ml/ha) and Avadex (2.5 l/ha) together with an insecticide Imidan (300 ml/ha) were applied prior to seeding. The trial was sown on 13th May 2014 and 90kg DAP + 2.5% zinc fertiliser was applied with the seed. The season was very favourable for growth of the crop and of weeds and disease. The trial was sprayed post emergence on 3rd July with MCPA750 (330 ml/ha), Lontrel Advance (60 ml/ha), Ally (7 gm/ha), Affinity (100 ml/ha) to control weeds and Dimethoate (100 ml/ha) insecticide. A further herbicide spray was applied on 21st July, Axial (250 ml/ha) and Hasten (500 ml/100 l), to control wild oats. On the 15th of July 20 units of liquid N fertiliser was applied. The trial was sprayed on 14th of August and 5th of September to control fungal pathogens each time with Prosaro (150 mls/ha) + BS1000 (250 ml/100 l) At no time was the trial stressed by the weather so varieties were able to fully express their genetic potential. The trial was harvested on 17th October 2014
Trial Design	Randomised block design of 3 blocks and 120 entries consisting of comparators and potential candidates. Sown in 12 ranges of 10 plots wide, block 1 being in ranges 1 to 4 and so on. Plots were 1.25m wide (5 rows) and 3.2m long. There were approximately 1000 plants per plot. Qualitative characters were recorded for every replicate at the appropriate growth stage.
Measurements	Quantitative characters were measured on 10 randomly sampled plants from each replicate, the samples being taken at the appropriate growth stage or after maturity. Statistical analyses were completed using GENSTAT software.
RHS Chart - edition	N/A

Origin and Breeding
Controlled pollination: The cross was completed between an F1 (DM02-25-SB02-167/CORRELL) and MACE in 2007 resulting in a population coded ES1194 with the pedigree DM02-25-SB02-167/CORRELL//MACE. F1 seed was grown in a poly tunnel at Esperance, WA in the winter of 2007. F2 seed was grown over summer of 2007/08 in a nursery tunnel in Esperance, WA. F3 seed was grown in Cobbitty, NSW over the winter of 2008. The F4 population was grown over summer of 2008/09 at Manjimup, WA where individuals from the F4 population were derived for yield testing. Lines from the ES1194 population were first yield tested at Coomalbidgup in 2009. Lines from the ES1194 population entered stage 2 testing in 2010. An elite line from the ES1194 population was identified (ES1194a-19) and renamed WAGT328 where it was tested in stage 3 in 2011 and then stage 4 in 2012 and 2013. Over this time, WAGT328 was evaluated for agronomic performance, pre harvest sprouting tolerance, end use quality and disease resistance at nurseries located in WA, SA, Vic, NSW and QLD. After multiplying pure breeder's seed during 2012 and 2013, WAGT328 began foundation seed multiplication in 2013/14 and 2014. Breeder: Kevin Young, Australian Grain Technologies Pty Ltd

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 erect - intermediate
Flag Leaf	anthocyanin of auricle	absent
Flag Leaf	glaucosity of sheath	medium
Ear	shape in profile	parallel sided
Awns	presence	awns present
Ear	colour	white
Grain	colour	white
Plant	seasonal type	spring type

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Mace'	Parent
'Correll'	Parent

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety
'Magenta'	Flag leaf	anthocyanin colouration of auricles	absent	present
'Yitpi'	Plant	presence of gene Lr24/Sr24	present	absent
'Justica CL Plus'	Plant	tolerance to imidazilnone herbicide	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	'Bremer'	'Correll'	'Mace'
<input type="checkbox"/> *Plant: growth habit	intermediate	semi-erect to intermediate	semi-erect to intermediate
<input type="checkbox"/> Flag leaf: anthocyanin colouration of auricles	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/> Plant: frequency of plants with recurved flag leaves	low to medium	medium to high	low to medium
<input type="checkbox"/> *Flag leaf: glaucosity of sheath	medium	medium	medium to strong
<input type="checkbox"/> *Ear: glaucosity	medium	medium to strong	medium to strong
<input type="checkbox"/> Culm: glaucosity of neck	medium	medium to strong	medium to strong
<input type="checkbox"/> *Straw: pith in cross section	thin to medium	thin	thin
<input type="checkbox"/> *Ear: shape in profile	parallel sided	parallel sided	parallel sided
<input type="checkbox"/> *Ear: density	lax to medium	lax to medium	lax to medium
<input type="checkbox"/> *Awns or scurs: presence	awns present	awns present	awns present
<input checked="" type="checkbox"/> *Awns of scurs at tip of ear: length	long	medium to long	medium
<input type="checkbox"/> *Ear: colour	white	white	white
<input type="checkbox"/> Apical rachis segment: hairiness of convex surface	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/> Lower glume: shoulder width	broad	medium to broad	medium
<input checked="" type="checkbox"/> Lower glume: shoulder shape	elevated	straight	straight
<input type="checkbox"/> Lower glume: beak length	medium	short to medium	medium
<input checked="" type="checkbox"/> Lower glume: beak shape	moderately curved to strongly curved	straight	slightly curved to moderately curved
<input type="checkbox"/> Lower glume: extent of internal hair	very weak	very weak	very weak
<input type="checkbox"/> *Grain: colour	white	white	white
<input type="checkbox"/> *Seasonal type:	spring type	spring type	spring type

Statistical Table

Organ/Plant Part: Context	'Bremer'	'Correll'	'Mace'
<input checked="" type="checkbox"/> Plant: height (cm)			
Mean	87.80	95.65	90.80
Std. Deviation	2.78	2.18	3.17
LSD/sig	2.79	P≤0.01	P≤0.01

<input checked="" type="checkbox"/> Plant: Time of ear emergence (Julian days)			
Mean	252.80	249.00	248.00
Std. Deviation	0.29	1.73	1.73
LSD/sig	3.00	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Ear: length (mm)			
Mean	87.70	98.70	98.50
Std. Deviation	5.70	7.20	6.15
LSD/sig	6.15	P≤0.01	P≤0.01

Prior Applications and Sales

Nil.

Description: **Andrew Cecil**, Australian Grain Technologies Pty Ltd, Urrbrae, SA.

Details of Application	
Application Number	2014/122
Variety Name	'Sunmate'
Genus Species	<i>Triticum aestivum</i>
Common Name	Wheat
Synonym	Nil
Accepted Date	04 Jul 2014
Applicant	Australian Grain Technologies Pty Ltd, Urrbrae, SA.
Agent	N/A
Qualified Person	Andrew Cecil
Details of Comparative Trial	
Location	Roseworthy, South Australia
Descriptor	Wheat (<i>Triticum aestivum</i>) UPOV TG/3/11
Period	2014
Conditions	A comparative trial was sown on the Roseworthy Campus of the University of Adelaide. In 2013 the area carried a faba bean crop which was harvested for grain. Pre-seeding herbicides Boxer Gold (2.5 l/ha), Roundup Attack (1 l/ha), trifluralin (0.8 l/ha), Hammer (55 ml/ha) and Avadex (2.5 l/ha) together with an insecticide Imidan (300 ml/ha) were applied prior to seeding. The trial was sown on 13th May 2014 and 90kg DAP + 2.5% zinc fertiliser was applied with the seed. The season was very favourable for growth of the crop and of weeds and disease. The trial was sprayed post emergence on 3rd July with MCPA750 (330 ml/ha), Lontrel Advance (60 ml/ha), Ally (7 gm/ha), Affinity (100 ml/ha) to control weeds and Dimethoate (100 ml/ha) insecticide. A further herbicide spray was applied on 21st July, Axial (250 ml/ha) and Hasten (500 ml/100 l), to control wild oats. On the 15th of July 20 units of liquid N fertiliser was applied. The trial was sprayed on 14th of August and 5th of September to control fungal pathogens each time with Prosaro (150 mls/ha) + BS1000 (250 ml/100 l) At no time was the trial stressed by the weather so varieties were able to fully express their genetic potential. The trial was harvested on 17th October 2014
Trial Design	Randomised block design of 3 blocks and 120 entries consisting of comparators and potential candidates. Sown in 12 ranges of 10 plots wide, block 1 being in ranges 1 to 4 and so on. Plots were 1.25m wide (5 rows) and 3.2m long. There were approximately 1000 plants per plot. Qualitative characters were recorded for every replicate at the appropriate growth stage.
Measurements	Quantitative characters were measured on 10 randomly sampled plants from each replicate, the samples being taken at the appropriate growth stage or after maturity. Statistical analyses were completed using GENSTAT software.
RHS Chart - edition	N/A

Origin and Breeding					
Controlled pollination: A simple cross of Sunco/2*Pastor to SUN436E was made in Spring 2003. F1 seed was selfed over summer in Plant Breeding Institute (PBI) Cobbitty glasshouse and F2 population grown in PBI Cobbitty tunnel house using Single Seed Decent (SSD) method from April to July 2004. F3 population was sown as spaced plants in PBI Cobbitty field in August 2004. Single heads were selected on stem, leaf and stripe rust reactions, bulked and sown in PBI Cobbitty tunnel house again as F4 using SSD in 2004/2005. F5 was sown as spaced plants in PBI Cobbitty field. Single plants were selected on stem, leaf and stripe rust reactions and plant type in 2005. The 365 selections were then sown in Narrabri in 2006. Single plants were selected from promising but segregating plots. The selections were again planted in both PBI Narrabri breeding nursery and PBI Cobbitty rust nursery in 2007, and the individual plots were selected heavily on plant type, rust resistance, maturity and milling quality. In 2008 SUN595I entered yield trials for the first time. It was subsequently evaluated for grain yield, disease resistance and quality from 2008 to 2014 in AGT nurseries across NSW, QLD, VIC, SA and WA. In 2012-2014 SUN595I was entered into NVT trials. Breeder: Dr Meiqin Lu, Australian Grain Technologies Pty Ltd, Urrbrae, SA.					
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		intermediate/ semi-erect to intermediate		
Flag Leaf	anthocyanin of auricle		absent or very weak		
Straw	pith in cross section		very thin to thin/very thin		
Awns	presence		present		
Grain	colour		white		
Plant	seasonal type		spring type		
Most Similar Varieties of Common Knowledge identified (VCK)					
Name		Comments			
'Suntop'		sister line			
'Spitfire'					
Varieties of Common Knowledge identified and subsequently excluded					
Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Wallup'	Plant	height	long to very long	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	‘Sunmate’	‘Spitfire’	‘Suntop’
<input type="checkbox"/> *Plant: growth habit	intermediate	intermediate	semi-erect to intermediate
<input type="checkbox"/> Flag leaf: anthocyanin colouration of auricles	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/> Plant: frequency of plants with recurved flag leaves	medium to high	medium to high	medium
<input checked="" type="checkbox"/> *Flag leaf: glaucosity of sheath	strong	weak	medium to strong
<input checked="" type="checkbox"/> *Ear: glaucosity	medium to strong	weak to medium	weak
<input checked="" type="checkbox"/> Culm: glaucosity of neck	strong	absent or very weak	medium to strong
<input type="checkbox"/> *Straw: pith in cross section	very thin to thin	very thin to thin	very thin
<input type="checkbox"/> *Ear: shape in profile	tapering	tapering	tapering
<input checked="" type="checkbox"/> *Ear: density	lax	lax to medium	medium
<input type="checkbox"/> *Awns or scurs: presence	awns present	awns present	awns present
<input type="checkbox"/> *Awns of scurs at tip of ear: length	long	medium	medium
<input type="checkbox"/> *Ear: colour	white	white	white
<input type="checkbox"/> Apical rachis segment: hairiness of convex surface	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/> Lower glume: shoulder width	narrow	narrow to medium	narrow
<input checked="" type="checkbox"/> Lower glume: shoulder shape	straight to elevated	slightly sloping	straight to elevated
<input type="checkbox"/> Lower glume: beak length	long	long	long
<input type="checkbox"/> Lower glume: beak shape	slightly curved	slightly curved	slightly curved
<input type="checkbox"/> Lower glume: extent of internal hair	very weak	very weak	very weak
<input type="checkbox"/> *Grain: colour	white	white	white
<input type="checkbox"/> *Seasonal type:	spring type	spring type	spring type

Statistical Table

Organ/Plant Part: Context	‘Sunmate’	‘Spitfire’	‘Suntop’
<input checked="" type="checkbox"/> Plant: height (cm)			
Mean	96.05	92.70	103.20
Std. Deviation	3.06	4.05	4.53
LSD/sig	2.79	P≤0.01	P≤0.01

<input checked="" type="checkbox"/> Plant: Time of ear emergence (Julian days)			
Mean	243.40	244.30	246.30
Std. Deviation	0.76	0.58	0.58
LSD/sig	3.00	ns	ns
<input checked="" type="checkbox"/> Ear: length (mm)			
Mean	108.85	105.80	116.20
Std. Deviation	6.50	5.55	4.96
LSD/sig	6.13	ns	P≤0.01

Prior Applications and Sales

Nil.

Description: **Andrew Cecil**, Australian Grain Technologies Pty Ltd, Urrbrae, SA.

Details of Application	
Application Number	2014/119
Variety Name	'Mitch'
Genus Species	<i>Triticum aestivum</i>
Common Name	Wheat
Synonym	Nil
Accepted Date	03 Jul 2014
Applicant	Australian Grain Technologies Pty Ltd, Urrbrae, SA.
Agent	N/A
Qualified Person	Andrew Cecil
Details of Comparative Trial	
Location	Roseworthy, South Australia
Descriptor	Wheat (<i>Triticum aestivum</i>) UPOV TG/3/11
Period	2014
Conditions	A comparative trial was sown on the Roseworthy Campus of the University of Adelaide. In 2013 the area carried a faba bean crop which was harvested for grain. Pre-seeding herbicides Boxer Gold (2.5 l/ha), Roundup Attack (1 l/ha), trifluralin (0.8 l/ha), Hammer (55 ml/ha) and Avadex (2.5 l/ha) together with an insecticide Imidan (300 ml/ha) were applied prior to seeding. The trial was sown on 13th May 2014 and 90kg DAP + 2.5% zinc fertiliser was applied with the seed. The season was very favourable for growth of the crop and of weeds and disease. The trial was sprayed post emergence on 3rd July with MCPA750 (330 ml/ha), Lontrel Advance (60 ml/ha), Ally (7 gm/ha), Affinity (100 ml/ha) to control weeds and Dimethoate (100 ml/ha) insecticide. A further herbicide spray was applied on 21st July, Axial (250 ml/ha) and Hasten (500 ml/100 l), to control wild oats. On the 15th of July 20 units of liquid N fertiliser was applied. The trial was sprayed on 14th of August and 5th of September to control fungal pathogens each time with Prosaro (150 mls/ha) + BS1000 (250 ml/100 l) At no time was the trial stressed by the weather so varieties were able to fully express their genetic potential. The trial was harvested on 17th October 2014
Trial Design	Randomised block design of 3 blocks and 120 entries consisting of comparators and potential candidates. Sown in 12 ranges of 10 plots wide, block 1 being in ranges 1 to 4 and so on. Plots were 1.25m wide (5 rows) and 3.2m long. There were approximately 1000 plants per plot. Qualitative characters were recorded for every replicate at the appropriate growth stage.
Measurements	Quantitative characters were measured on 10 randomly sampled plants from each replicate, the samples being taken at the appropriate growth stage or after maturity. Statistical analyses were completed using GENSTAT software.
RHS Chart - edition	N/A

Origin and Breeding
Controlled pollination: A simple cross of 29IBWSN112 (QT10422) to Giles was made in 2002 at Leslie Research Centre (LRC), Toowoomba. Doubled haploids were produced from this cross. Seeds were increased at LRC birdcage in 2003. It was screened for leaf and stem rust seedling resistance in Cobbitty and agronomic performance in Wellcamp in 2004. From 2005 to 2008, QT14381 was evaluated for grain yield, milling quality, rust resistance, root lesion nematode (<i>P. thornei</i>) tolerance by DAFFQ team. After AGT licensed DAFFQ wheat germplasm, QT14381 were evaluated for grain yield, disease resistance and quality from 2010 to 2014 in AGT nurseries across NSW, QLD, VIC, SA and WA. In 2011-2014 QT14381 was entered into NVT trials. Breeder: Dr Meiqin Lu and Mr Thomas Kapcejevs, Australian Grain Technologies Pty Ltd

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	frequency of recurved leaf	medium
Awns	presence	awns present
Ear	colour	white
Grain	colour	white
Plant	seasonal type	spring type

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'EGA Gregory'	
'Giles'	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	'Mitch'	'EGA Gregory'	'Giles'
<input checked="" type="checkbox"/> *Plant: growth habit	semi-erect	intermediate to semi-prostrate	intermediate to semi-prostrate
<input type="checkbox"/> Flag leaf: anthocyanin colouration of auricles	medium	medium to strong	absent or very weak
<input checked="" type="checkbox"/> Plant: frequency of plants with recurved flag leaves	medium to high	medium	medium
<input checked="" type="checkbox"/> *Flag leaf: glaucosity of sheath	medium to strong	weak	medium
<input type="checkbox"/> *Ear: glaucosity	weak to medium	weak	medium
<input checked="" type="checkbox"/> Culm: glaucosity of neck	medium to strong	weak to medium	weak to medium
<input checked="" type="checkbox"/> *Straw: pith in cross section	very thin	very thin	thin
<input type="checkbox"/> *Ear: shape in profile	parallel sided	tapering	parallel sided
<input type="checkbox"/> *Ear: density	lax to medium	lax to medium	medium

<input type="checkbox"/> *Awns or scurs: presence	awns present	awns present	awns present
<input checked="" type="checkbox"/> *Awns of scurs at tip of ear: length	long	medium to long	medium
<input type="checkbox"/> *Ear: colour	white	white	white
<input type="checkbox"/> Apical rachis segment: hairiness of convex surface	weak	weak	medium to strong
<input checked="" type="checkbox"/> Lower glume: shoulder width	very narrow to narrow	medium	very narrow to narrow
<input checked="" type="checkbox"/> Lower glume: shoulder shape	sloping	sloping	elevated
<input checked="" type="checkbox"/> Lower glume: beak length	medium to long	short to medium	long
<input type="checkbox"/> Lower glume: beak shape	straight to slightly curved	slightly curved	slightly curved
<input type="checkbox"/> Lower glume: extent of internal hair	very weak	very weak	very weak
<input type="checkbox"/> *Grain: colour	white	white	white
<input type="checkbox"/> *Seasonal type:	spring type	spring type	spring type

Statistical Table

Organ/Plant Part: Context	'Mitch'	'EGA Gregory'	'Giles'
<input checked="" type="checkbox"/> Plant: height (cm)			
Mean	106.60	102.85	91.95
Std. Deviation	3.33	3.37	3.09
LSD/sig	2.79	P≤0.01	P≤0.01
<input type="checkbox"/> Plant: Time of ear emergence (Julian days)			
Mean	252.85	254.00	255.30
Std. Deviation	0.29	0.00	0.58
LSD/sig	3.00	ns	ns
<input checked="" type="checkbox"/> Ear: length (mm)			
Mean	120.50	107.20	90.40
Std. Deviation	7.87	8.30	8.10
LSD/sig	6.15	P≤0.01	P≤0.01

Prior Applications and Sales

Nil.

Description: **Andrew Cecil**, Australian Grain Technologies Pty Ltd, Urrbrae, SA.

Details of Application		
Application Number	2014/197	
Variety Name	'Zen'	
Genus Species	<i>Triticum aestivum</i>	
Common Name	Wheat	
Synonym	IGW6046	
Accepted Date	04 Sep 2014	
Applicant	InterGrain Pty Ltd, Bibra Lake, WA	
Agent	N/A	
Qualified Person	David Collins	
Details of Comparative Trial		
Location	Wongan Hills Research Station WA.	
Descriptor	Wheat <i>Triticum aestivum</i> (TG/3/11 + Corr.)	
Period	Jun - Dec 2014.	
Conditions	Trial site duplex light grey sand (pH 4.5 in CaCl ₂)/yellow mottled clay. Site sprayed Sprayseed at 2.0 l/ha and Boxer Gold at 2.5 l/ha on 19 May 14. Trial sown on 19 May 14 with Macro Pro Plus at 90kg/ha and TD with 50 kg/ha urea at tillering. Trial sprayed with Jaguar on the 13 June 14.	
Trial Design	Randomised block design with 2 replicates. Plots 1.42 m wide and 20m long (7 rows x 220 spacing).	
Measurements	Measurements taken from 10 specimens per plot, selected at random. One measurement per plant.	
RHS Chart - edition	N/A	
Origin and Breeding		
Controlled pollination: the seed parent of 'Calingiri' was emasculated and pollinated with pollen from 'Wyalkatchem'. The variety was selfed from F2 onwards and reselections were made in the F5 generation. These reselections were tested as fixed lines for six generations. Selection criteria: yield, disease resistance, agronomic and grain quality suited to the high, medium and low rainfall zones of the agricultural areas of Western Australia. Propagation: seed through 5 generations (selection) and 6 years performance testing as a fixed line by Department of Agriculture WA and InterGrain. Breeders: Daniel Mullan, Robyn McLean and Iain Barclay, InterGrain Pty Ltd, Bibra Lake, WA.		
Choice of Comparators Characteristics used for grouping varieties to identify the most similar Variety of Coon Knowledge		
Organ/Plant Part	Context	State of Expression in Group of Varieties
Flag leaf	glaucosity of sheath	strong
Ear	colour	white
Awn	presence	present
Most Similar Varieties of Coon Knowledge identified (VCK)		
Name	Comments	
'Calingiri'	white awned ear with erect growth habit.	
'Wyalkatchem'	white awned ear.	

Varieties of Coon Knowledge identified and subsequently excluded					
Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Binnu'	Plant	awn	present	absent	
'Arrino'	Plant	awn	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	'Zen'	'Calingiri'	'Wyalkatchem'
<input type="checkbox"/> Coleoptile: anthocyanin colouration	absent or very weak	absent or very weak	absent or very weak
<input checked="" type="checkbox"/> *Plant: growth habit	erect	erect	semi-prostrate
<input type="checkbox"/> Flag leaf: anthocyanin colouration of auricles	absent or very weak	absent or very weak	very weak to weak
<input type="checkbox"/> Plant: frequency of plants with recurved flag leaves	medium	medium	medium
<input checked="" type="checkbox"/> *Time of: ear emergence	medium to late	medium to late	early to medium
<input type="checkbox"/> *Flag leaf: glaucosity of sheath	strong	strong	strong
<input type="checkbox"/> *Ear: glaucosity	medium to strong	medium to strong	medium to strong
<input type="checkbox"/> *Plant: length	medium	medium to long	short
<input checked="" type="checkbox"/> *Straw: pith in cross section	medium	thin	thick to very thick
<input type="checkbox"/> *Ear: shape in profile	parallel sided	tapering	tapering
<input type="checkbox"/> *Ear: density	medium	lax to medium	lax to medium
<input type="checkbox"/> Ear: length	short to medium	medium	medium
<input type="checkbox"/> *Awns or scurs: presence	awns present	awns present	awns present
<input type="checkbox"/> *Awns of scurs at tip of ear: length	medium	short to medium	medium to long
<input type="checkbox"/> *Ear: colour	white	white	white
<input checked="" type="checkbox"/> Lower glume: shoulder width	medium to broad	medium to broad	narrow
<input type="checkbox"/> Lower glume: shoulder shape	straight to elevated	slightly sloping to straight	straight to elevated
<input checked="" type="checkbox"/> Lower glume: beak length	medium to long	short	medium to long
<input type="checkbox"/> Lower glume: beak shape	straight to slightly curved	straight to slightly curved	straight to slightly curved
<input type="checkbox"/> Lower glume: extent of internal hair	medium to strong	weak	medium
<input type="checkbox"/> Lowest lea: beak shape	straight to slightly curved	straight to slightly curved	straight to slightly curved
<input type="checkbox"/> *Grain: colour	white	white	white

<input type="checkbox"/> *Seasonal type:	spring type	spring type	spring type
Statistical Table			
Organ/Plant Part: Context	‘Zen’	‘Calingiri’	‘Wyalkatchem’
<input type="checkbox"/> Plant: length (cm)			
Mean	72.33	77.07	64.05
Std. Deviation	5.29	5.92	3.70
LSD/sig	4.55	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Flag leaf: length (mm)			
Mean	205.56	177.78	177.42
Std. Deviation	21.56	20.97	25.06
LSD/sig	18.82	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Flag leaf: width (mm)			
Mean	15.71	17.54	15.96
Std. Deviation	0.84	1.62	1.36
LSD/sig	1.02	P≤0.01	ns
<input checked="" type="checkbox"/> Ear: length (mm)			
Mean	64.73	73.06	66.96
Std. Deviation	7.34	5.70	6.37
LSD/sig	5.60	P≤0.01	ns
<input type="checkbox"/> Glume: length (mm)			
Mean	9.40	8.92	9.58
Std. Deviation	0.28	0.26	0.30
LSD/sig	0.24	P≤0.01	ns
<input checked="" type="checkbox"/> Glume: width (mm)			
Mean	4.08	4.34	4.18
Std. Deviation	0.23	0.32	0.29
LSD/sig	0.23	P≤0.01	ns
<input checked="" type="checkbox"/> Glume beak: length (mm)			
Mean	6.55	3.86	7.03
Std. Deviation	1.54	0.99	1.76
LSD/sig	1.24	P≤0.01	ns

Prior Applications and Sales

Nil

Description: **David Collins**, Northam, WA.

Details of Application	
Application Number	2014/121
Variety Name	'Sunlamb'
Genus Species	<i>Triticum aestivum</i>
Common Name	Wheat
Synonym	Nil
Accepted Date	04 Jul 2014
Applicant	Australian Grain Technologies Pty Ltd, Urrbrae, SA.
Agent	N/A
Qualified Person	Andrew Cecil
Details of Comparative Trial	
Location	Roseworthy, South Australia
Descriptor	Wheat (<i>Triticum aestivum</i>) UPOV TG/3/11
Period	2014
Conditions	A comparative trial was sown on the Roseworthy Campus of the University of Adelaide. In 2013 the area carried a faba bean crop which was harvested for grain. Pre-seeding herbicides Boxer Gold (2.5 l/ha), Roundup Attack (1 l/ha), trifluralin (0.8 l/ha), Hammer (55 ml/ha) and Avadex (2.5 l/ha) together with an insecticide Imidan (300 ml/ha) were applied prior to seeding. The trial was sown on 13th May 2014 and 90kg DAP + 2.5% zinc fertiliser was applied with the seed. The season was very favourable for growth of the crop and of weeds and disease. The trial was sprayed post emergence on 3rd July with MCPA750 (330 ml/ha), Lontrel Advance (60 ml/ha), Ally (7 gm/ha), Affinity (100 ml/ha) to control weeds and Dimethoate (100 ml/ha) insecticide. A further herbicide spray was applied on 21st July, Axial (250 ml/ha) and Hasten (500 ml/100 l), to control wild oats. On the 15th of July 20 units of liquid N fertiliser was applied. The trial was sprayed on 14th of August and 5th of September to control fungal pathogens each time with Prosaro (150 mls/ha) + BS1000 (250 ml/100 l) At no time was the trial stressed by the weather so varieties were able to fully express their genetic potential. The trial was harvested on 17th October 2014
Trial Design	Randomised block design of 3 blocks and 120 entries consisting of comparators and potential candidates. Sown in 12 ranges of 10 plots wide, block 1 being in ranges 1 to 4 and so on. Plots were 1.25m wide (5 rows) and 3.2m long. There were approximately 1000 plants per plot. Qualitative characters were recorded for every replicate at the appropriate growth stage.
Measurements	Quantitative characters were measured on 10 randomly sampled plants from each replicate, the samples being taken at the appropriate growth stage or after maturity. Statistical analyses were completed using GENSTAT software.
RHS Chart - edition	N/A

Origin and Breeding					
Controlled pollination: The final cross was made in 1996 at Plant Breeding Institute (PBI), Narrabri. F1 seed was selfed, F2 and F3 populations grown in the field at PBI Narrabri using bulk pedigree method: single ears were harvested from selected plants based on plant type and maturity. All ears then bulk threshed and space planted in the field at PBI Narrabri. From F4 to F6, there were two cycles of single plant selection for rust resistance at PBI, Cobbitty and agronomic performance at PBI Narrabri. After initial milling quality test it entered first yield trial in 2003. Multi-site evaluation for dry matter, grazing recovery, disease resistance and milling quality was conducted from 2002 to 2012. Breeder: Dr Meiqin Lu Australian Grain Technologies Pty Ltd.					
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-prostrate		
Plant	frequency of recurved leaf		low		
Awns or Scurs	presence		scurs present		
Grain	colour		white		
Plant	seasonal type		winter type		
Most Similar Varieties of Common Knowledge identified (VCK)					
Name		Comments			
'Marombi'		has all grouping characteristics			
'Naparoo'		has all grouping characteristics			
Varieties of Common Knowledge identified and subsequently excluded					
Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Baconora'	Awns or Scurs	presence	scurs present	awns present	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	'Sunlamb'	'Marombi'	'Naparoo'
<input type="checkbox"/> *Plant: growth habit	semi-prostrate	semi-prostrate	semi-prostrate
<input checked="" type="checkbox"/> Flag leaf: anthocyanin colouration of auricles	medium	absent or very weak	absent or very weak
<input type="checkbox"/> Plant: frequency of plants with recurved flag leaves	low	low	low
<input checked="" type="checkbox"/> *Flag leaf: glaucosity of sheath	medium	weak to medium	very weak to weak
<input checked="" type="checkbox"/> *Ear: glaucosity	medium	weak to medium	absent or very weak
<input type="checkbox"/> Culm: glaucosity of neck	medium	weak to medium	weak to medium

<input checked="" type="checkbox"/> *Straw: pith in cross section	thin	very thin	thin
<input type="checkbox"/> *Ear: shape in profile	tapering	parallel sided	parallel sided
<input type="checkbox"/> *Ear: density	medium to dense	lax to medium	lax to medium
<input type="checkbox"/> *Awns or scurs: presence	scurs present	scurs present	scurs present
<input type="checkbox"/> *Awns of scurs at tip of ear: length	very short	very short	very short
<input type="checkbox"/> *Ear: colour	white	white	white
<input checked="" type="checkbox"/> Apical rachis segment: hairiness of convex surface	weak to medium	absent or very weak	very weak to weak
<input checked="" type="checkbox"/> Lower glume: shoulder width	medium to broad	broad to very broad	narrow
<input type="checkbox"/> Lower glume: shoulder shape	slightly sloping	straight	slightly sloping to straight
<input type="checkbox"/> Lower glume: beak length	short	very short	short
<input type="checkbox"/> Lower glume: beak shape	straight	straight	slightly curved
<input type="checkbox"/> Lower glume: extent of internal hair	very weak	very weak	very weak
<input type="checkbox"/> *Grain: colour	white	white	white
<input type="checkbox"/> *Seasonal type:	winter type	winter type	winter type

Statistical Table

Organ/Plant Part: Context	‘Sunlamb’	‘Marombi’	‘Naparoo’
<input checked="" type="checkbox"/> Plant: height (cm)			
Mean	90.30	78.00	83.70
Std. Deviation	3.15	3.09	2.77
LSD/sig	2.79	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Plant: Time of ear emergence (Julian days)			
Mean	271.15	275.00	274.30
Std. Deviation	2.89	0.00	0.58
LSD/sig	3.00	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Ear: length (mm)			
Mean	122.15	97.40	105.50
Std. Deviation	7.52	6.25	5.47
LSD/sig	6.15	P≤0.01	P≤0.01

Prior Applications and Sales

Nil.

Description: **Andrew Cecil**, Australian Grain Technologies Pty Ltd, Urrbrae, SA.

Details of Application	
Application Number	2014/101
Variety Name	'Condo'
Genus Species	<i>Triticum aestivum</i>
Common Name	Wheat
Synonym	Nil
Accepted Date	01 Jul 2014
Applicant	Australian Grain Technologies Pty Ltd, Urrbrae, SA.
Agent	N/A
Qualified Person	Andrew Cecil
Details of Comparative Trial	
Location	Roseworthy, South Australia
Descriptor	Wheat (<i>Triticum aestivum</i>) UPOV TG/3/11
Period	2014
Conditions	A comparative trial was sown on the Roseworthy Campus of the University of Adelaide. In 2013 the area carried a faba bean crop which was harvested for grain. Pre-seeding herbicides Boxer Gold (2.5 l/ha), Roundup Attack (1 l/ha), trifluralin (0.8 l/ha), Hammer (55 ml/ha) and Avadex (2.5 l/ha) together with an insecticide Imidan (300 ml/ha) were applied prior to seeding. The trial was sown on 13th May 2014 and 90kg DAP + 2.5% zinc fertiliser was applied with the seed. The season was very favourable for growth of the crop and of weeds and disease. The trial was sprayed post emergence on 3rd July with MCPA750 (330 ml/ha), Lontrel Advance (60 ml/ha), Ally (7 gm/ha), Affinity (100 ml/ha) to control weeds and Dimethoate (100 ml/ha) insecticide. A further herbicide spray was applied on 21st July, Axial (250 ml/ha) and Hasten (500 ml/100 l), to control wild oats. On the 15th of July 20 units of liquid N fertiliser was applied. The trial was sprayed on 14th of August and 5th of September to control fungal pathogens each time with Prosaro (150 mls/ha) + BS1000 (250 ml/100 l) At no time was the trial stressed by the weather so varieties were able to fully express their genetic potential. The trial was harvested on 17th October 2014
Trial Design	Randomised block design of 3 blocks and 120 entries consisting of comparators and potential candidates. Sown in 12 ranges of 10 plots wide, block 1 being in ranges 1 to 4 and so on. Plots were 1.25m wide (5 rows) and 3.2m long. There were approximately 1000 plants per plot. Qualitative characters were recorded for every replicate at the appropriate growth stage.
Measurements	Quantitative characters were measured on 10 randomly sampled plants from each replicate, the samples being taken at the appropriate growth stage or after maturity. Statistical analyses were completed using GENSTAT software.
RHS Chart - edition	N/A

Origin and Breeding
Controlled pollination: A simple cross of Young to VR0525 (Young/VR0525) was made in the greenhouse at Horsham in Autumn 2004, resulting in the population coded 04-060W. F1 seed was selfed and the F2 population grown in the field at the Plant Breeding Centre (PBC) Horsham in winter/Spring of 2005. Selection was made for stripe rust resistance and plant type. A bulk based on this selection was grown over the summer of 2005/06 at the PBC, Horsham with selection for stem rust and maturity. In 2006 the population was grown at the Plant Breeding Institute, Narrabri where single plants were selected based on maturity, stripe and leaf rust resistance and plant type. Selection 04-060W-40 became VX1634. This was multiplied over summer 2006/07 at the PBC Horsham. In 2007 it entered yield trials for the first time. VX1634 was subsequently evaluated for grain yield, quality and disease resistance from 2007 to 2014 in AGT nurseries across Queensland, New South Wales, Victoria, South Australia and Western Australia. In 2012-2014 VX1634 was entered into NVT trials. Seed purification began in 2009 and this seed has been used for trials from 2012 onwards and as the source of seed for commercial seed multiplication. Breeder - Dr Russell Eastwood, Australian Grain Technologies Pty Ltd.

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 erect to intermediate
Flag leaf	anthocyanin colouration of auricles	absent
Straw	pith in cross section	thin
Awns	presence	awns present
Ear	colour	white
Grain	colour	white
Plant	seasonal type	spring type

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Young'	Parent
'Axe'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety
'Janz'	Plant	height	medium to long	short
'Janz'	Plant	time of ear emergence	very early to early	early to 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	'Condo'	'Axe'	'Young'
<input type="checkbox"/> *Plant: growth habit	semi-erect to intermediate	semi-erect	intermediate
<input type="checkbox"/> Flag leaf: anthocyanin colouration of auricles	absent or very weak	absent or very weak	absent or very weak
<input checked="" type="checkbox"/> Plant: frequency of plants with recurved flag leaves	medium	low	medium
<input type="checkbox"/> *Flag leaf: glaucosity of sheath	medium	medium	weak
<input type="checkbox"/> *Ear: glaucosity	weak to medium	medium	weak
<input type="checkbox"/> Culm: glaucosity of neck	medium	medium	weak to medium
<input type="checkbox"/> *Straw: pith in cross section	very thin to thin	thin	thin
<input type="checkbox"/> *Ear: shape in profile	parallel sided	tapering	parallel sided
<input type="checkbox"/> *Ear: density	lax	lax to medium	lax to medium
<input type="checkbox"/> *Awns or scurs: presence	awns present	awns present	awns present
<input type="checkbox"/> *Awns of scurs at tip of ear: length	medium	medium	medium to long
<input type="checkbox"/> *Ear: colour	white	white	white
<input type="checkbox"/> Apical rachis segment: hairiness of convex surface	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/> Lower glume: shoulder width	narrow	medium	narrow to medium
<input type="checkbox"/> Lower glume: shoulder shape	straight	straight to elevated	straight
<input type="checkbox"/> Lower glume: beak length	medium	medium	medium
<input type="checkbox"/> Lower glume: beak shape	straight to slightly curved	slightly curved	straight
<input type="checkbox"/> Lower glume: extent of internal hair	very weak	very weak	very weak
<input type="checkbox"/> *Grain: colour	white	white	white
<input type="checkbox"/> *Seasonal type:	spring type	spring type	spring type

Statistical Table

Organ/Plant Part: Context	'Condo'	'Axe'	'Young'
<input checked="" type="checkbox"/> Plant: height (cm)			
Mean	100.85	86.05	89.05
Std. Deviation	3.47	2.69	3.55
LSD/sig	2.79	P<0.01	P<0.01
<input checked="" type="checkbox"/> Plant: Time of ear emergence (Julian days)			
Mean	242.85	229.00	240.70

Std. Deviation	2.02	3.46	0.58
LSD/sig	3.00	P≤0.01	ns
<input checked="" type="checkbox"/> Ear: length (mm)			
Mean	121.05	95.30	96.20
Std. Deviation	7.19	5.23	9.16
LSD/sig	6.15	P≤0.01	P≤0.01

Prior Applications and Sales

Nil.

Description: **Andrew Cecil**, Australian Grain Technologies Pty Ltd, Urrbrae, SA.

Details of Application	
Application Number	2014/102
Variety Name	'Kiora'
Genus Species	<i>Triticum aestivum</i>
Common Name	Wheat
Synonym	Nil
Accepted Date	01 Jul 2014
Applicant	Australian Grain Technologies Pty Ltd, Urrbrae, SA.
Agent	N/A
Qualified Person	Andrew Cecil
Details of Comparative Trial	
Location	Roseworthy, South Australia
Descriptor	Wheat (<i>Triticum aestivum</i>) UPOV TG/3/11
Period	2014
Conditions	A comparative trial was sown on the Roseworthy Campus of the University of Adelaide. In 2013 the area carried a faba bean crop which was harvested for grain. Pre-seeding herbicides Boxer Gold (2.5 l/ha), Roundup Attack (1 l/ha), trifluralin (0.8 l/ha), Hammer (55 ml/ha) and Avadex (2.5 l/ha) together with an insecticide Imidan (300 ml/ha) were applied prior to seeding. The trial was sown on 13th May 2014 and 90kg DAP + 2.5% zinc fertiliser was applied with the seed. The season was very favourable for growth of the crop and of weeds and disease. The trial was sprayed post emergence on 3rd July with MCPA750 (330 ml/ha), Lontrel Advance (60 ml/ha), Ally (7 gm/ha), Affinity (100 ml/ha) to control weeds and Dimethoate (100 ml/ha) insecticide. A further herbicide spray was applied on 21st July, Axial (250 ml/ha) and Hasten (500 ml/100 l), to control wild oats. On the 15th of July 20 units of liquid N fertiliser was applied. The trial was sprayed on 14th of August and 5th of September to control fungal pathogens each time with Prosaro (150 mls/ha) + BS1000 (250 ml/100 l) At no time was the trial stressed by the weather so varieties were able to fully express their genetic potential. The trial was harvested on 17th October 2014
Trial Design	Randomised block design of 3 blocks and 120 entries consisting of comparators and potential candidates. Sown in 12 ranges of 10 plots wide, block 1 being in ranges 1 to 4 and so on. Plots were 1.25m wide (5 rows) and 3.2m long. There were approximately 1000 plants per plot. Qualitative characters were recorded for every replicate at the appropriate growth stage.
Measurements	Quantitative characters were measured on 10 randomly sampled plants from each replicate, the samples being taken at the appropriate growth stage or after maturity. Statistical analyses were completed using GENSTAT software.
RHS Chart - edition	N/A

Origin and Breeding
Controlled pollination: A final cross of VQ4227/VP1081 to VP1081 (VQ4227/VP1081//VP1081) was made in the greenhouse at Horsham in Spring 2004, resulting in the population coded 04-095W. F1 seed was selfed and the F2 population grown in the field at the Plant Breeding Centre (PBC) Horsham in winter/Spring of 2005. Selection was made for stripe rust resistance and plant type. A bulk based on this selection was grown over the summer of 2005/06 at the PBC, Horsham with selection for stem rust and maturity. In 2006 the population was grown at the Plant Breeding Institute, Narrabri where single plants were selected based on maturity, stripe and leaf rust resistance and plant type. Selection 04-095W-44 became VX2485. This was multiplied over summer 2006/07 at the PBC Horsham. In 2007 it entered yield trials for the first time. VX2485 was subsequently evaluated for grain yield, quality and disease resistance from 2007 to 2014 in AGT nurseries across Queensland, New South Wales, Victoria, South Australia and Western Australia. In 2012-2014 VX2485 was entered into NVT trials. Seed purification began in 2009 and this seed has been used for trials from 2013 onwards and as the source of seed for commercial seed multiplication. Breeder: Russell Eastwood, Australian Grain Technologies Pty Ltd

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 erect - intermediate
Flag Leaf	anthocyanin of auricle	absent
Flag Leaf	glaucosity of sheath	medium
Straw	pith in cross section	thin
Ear	shape in profile	parallel sided
Awns	presence	present
Grain	colour	white
Plant	seasonal type	spring type

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Bolac'	
'Chara'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety
'Janz'	Plant	Time of ear emergence	late	early to 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	'Kiora'	'Bolac'	'Chara'
<input type="checkbox"/> *Plant: growth habit	semi-erect to intermediate	intermediate	semi-erect to intermediate
<input type="checkbox"/> Flag leaf: anthocyanin colouration of auricles	absent or very weak	absent or very weak	absent or very weak
<input checked="" type="checkbox"/> Plant: frequency of plants with recurved flag leaves	low to medium	low to medium	medium to high
<input type="checkbox"/> *Flag leaf: glaucosity of sheath	weak to medium	weak to medium	medium
<input type="checkbox"/> *Ear: glaucosity	weak to medium	medium	medium
<input type="checkbox"/> Culm: glaucosity of neck	weak to medium	medium	medium
<input type="checkbox"/> *Straw: pith in cross section	thin	thin	thin
<input type="checkbox"/> *Ear: shape in profile	parallel sided	parallel sided	parallel sided
<input type="checkbox"/> *Ear: density	medium	medium	medium
<input type="checkbox"/> *Awns or scurs: presence	awns present	awns present	awns present
<input checked="" type="checkbox"/> *Awns of scurs at tip of ear: length	short to medium	long	medium
<input type="checkbox"/> *Ear: colour	white	white	white
<input type="checkbox"/> Apical rachis segment: hairiness of convex surface	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/> Lower glume: shoulder width	narrow	narrow	narrow
<input checked="" type="checkbox"/> Lower glume: shoulder shape	straight	sloping	straight to elevated
<input type="checkbox"/> Lower glume: beak length	medium to long	medium	medium
<input type="checkbox"/> Lower glume: beak shape	slightly curved	slightly curved	slightly curved
<input type="checkbox"/> Lower glume: extent of internal hair	very weak	very weak	very weak
<input type="checkbox"/> *Grain: colour	white	white	white
<input type="checkbox"/> *Seasonal type:	spring type	spring type	spring type

Statistical Table

Organ/Plant Part: Context	'Kiora'	'Bolac'	'Chara'
<input type="checkbox"/> Plant: height (cm)			
Mean	93.77	95.50	94.45
Std. Deviation	3.29	3.83	3.05
LSD/sig	2.79	ns	ns
<input checked="" type="checkbox"/> Plant: Time of ear emergence (Julian days)			
Mean	255.15	254.70	251.70
Std. Deviation	0.79	0.58	0.58

LSD/sig	3.00	ns	P≤0.01
<input type="checkbox"/> Ear: length (mm)			
Mean	98.00	98.80	95.50
Std. Deviation	6.93	5.76	6.18
LSD/sig	6.15	ns	ns

Prior Applications and Sales

Nil.

Description: **Andrew Cecil**, Australian Grain Technologies Pty Ltd, Urrbrae, SA.

GRANTS:*Agapanthus orientalis*

AGAPANTHUS

‘PMB011’^Φ

Application No: 2013/317

Applicant: **Pine Mountain Botanics Pty Ltd**

Certificate No: 4964 Expiry Date: 5 February, 2035.

Alstroemeria hybrid

PERUVIAN LILY

‘Koncavanti’^Φ

Application No: 2010/145

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

Certificate No: 4974 Expiry Date: 6 March, 2035.

Agent: **Ball Australia**, DANDENONG SOUTH, VIC.*Alstroemeria hybrid*

PERUVIAN LILY

‘Koncayuko’^Φ

Application No: 2010/147

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

Certificate No: 4975 Expiry Date: 6 March, 2035.

Agent: **Ball Australia**, DANDENONG SOUTH, VIC.*Calibrachoa hybrid*

CALIBRACHOA

‘USCAL5302M’^Φ

Application No: 2013/141

Applicant: **Plant 21 LLC**

Certificate No: 4979 Expiry Date: 16 March, 2035.

Agent: **Aussie Winners Pty Ltd**, Redland Bay, QLD.

Calibrachoa hybrid

CALIBRACHOA

‘USCAL91001’^ϕ

Application No: 2013/140

Applicant: **Plant 21 LLC**

Certificate No: 4978 Expiry Date: 16 March, 2035.

Agent: **Aussie Winners Pty Ltd**, Redland Bay, QLD.

Citrus sinensis

SWEET ORANGE, NAVEL ORANGE

‘M 4’^ϕ

Application No: 2011/175

Applicant: **Pacific Fresh Enterprises**

Certificate No: 4967 Expiry Date: 27 February, 2040.

Cynodon dactylon

COUCHGRASS, BERMUDAGRASS

‘Barazur’^ϕ

Application No: 2011/277

Applicant: **Barenbrug USA, Inc.**

Certificate No: 4961 Expiry Date: 22 January, 2035.

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

Delosperma cooperi

COOPER'S ICE PLANT

‘Sabakunohoseki Garnet’^ϕ syn Jewel of Desert Garnet^ϕ

Application No: 2013/065

Applicant: **Koichiro Nishikawa**

Certificate No: 4970 Expiry Date: 4 March, 2035.

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

Delosperma cooperi

COOPER'S ICE PLANT

'Sabakunohoseki Moon Stone'^ϕ syn Jewel of Desert Moon Stone^ϕ

Application No: 2013/066

Applicant: **Koichiro Nishikawa**

Certificate No: 4971 Expiry Date: 4 March, 2035.

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

Delosperma cooperi

COOPER'S ICE PLANT

'Sabakunohoseki Ruby'^ϕ syn Jewel of Desert Ruby^ϕ

Application No: 2013/068

Applicant: **Koichiro Nishikawa**

Certificate No: 4972 Expiry Date: 5 March, 2035.

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

Dianella prunina x caerulea

BLUE FLAX-LILY

'DP401'^ϕ

Application No: 2013/077

Applicant: **NuFlora International Pty Ltd**

Certificate No: 4959 Expiry Date: 13 January, 2035.

Agent: **Ozbreed Pty Ltd**, Richmond, NSW.

Gaura lindheimeri

GAURA, BUTTERFLY BUSH

'Harrosy'^ϕ

Application No: 2013/024

Applicant: **Hardy's Cottage Garden Plants**

Certificate No: 4977 Expiry Date: 16 March, 2035.

Agent: **Aussie Winners Pty Ltd**, Redland Bay, QLD.

Hordeum vulgare

BARLEY

'Granger'^ϕ

Application No: 2013/102

Applicant: **Limagrain UK Ltd**
 Certificate No: 4960 Expiry Date: 13 January, 2035.
 Agent: **Elders Rural Services Australia Ltd**, Ballarat, VIC.

Hydrangea macrophylla

HYDRANGEA

‘Hokomarevo’^ϕ syn Magical Revolution^ϕ

Application No: 2013/171
 Applicant: **Kolster Holding B.V. and Santho Beheer B.V.**
 Certificate No: 4965 Expiry Date: 6 February, 2035.
 Agent: **Pearce’s Nurseries Pty Ltd**, McLeans Ridges, NSW.

Lactuca sativa

LETTUCE

‘Crunchita’^ϕ

Application No: 2013/168
 Applicant: **Rijk Zwaan Zaadteelt en Zaadhandel B.V.**
 Certificate No: 4969 Expiry Date: 3 March, 2035.
 Agent: **Rijk Zwaan Australia Pty Ltd**, Daylesford, VIC.

Lactuca sativa

LETTUCE

‘Intred’^ϕ

Application No: 2010/168
 Applicant: **Nunhems B.V.**
 Certificate No: 4976 Expiry Date: 13 March, 2035.
 Agent: **Shelston IP**, Sydney, NSW.

Lactuca sativa

LETTUCE

‘Multigreen 60’^ϕ

Application No: 2013/148
 Applicant: **Nunhems B.V.**
 Certificate No: 4973 Expiry Date: 5 March, 2035.
 Agent: **Shelston IP**, Sydney, NSW.

Lactuca sativa

LETTUCE

‘Patrona’^Φ

Application No: 2012/272

Applicant: **Rijk Zwaan Zaadteelt en Zaadhandel B.V.**

Certificate No: 4968 Expiry Date: 2 March, 2035.

Agent: **Rijk Zwaan Australia Pty Ltd**, Daylesford, VIC.

Malus domestica

APPLE

‘Pink Chief’^Φ syn **TT6050**^Φ

Application No: 2013/149

Applicant: **Fruit Varieties International Pty Ltd**

Certificate No: 4963 Expiry Date: 3 February, 2040.

Rosa hybrid

ROSE

‘Rockliz’^Φ

Application No: 2006/040

Applicant: **R T and B E Inverarity**

Certificate No: 4962 Expiry Date: 3 February, 2035.

Solanum tuberosum

POTATO

‘Cristina’^Φ

Application No: 2012/057

Applicant: **Irish Potato Marketing Ltd**

Certificate No: 4980 Expiry Date: 17 March, 2035.

Solanum tuberosum

POTATO

‘Infinity’^Φ

Application No: 2012/058

Applicant: **Irish Potato Marketing Ltd**

Certificate No: 4981 Expiry Date: 17 March, 2035.

Trifolium subterraneum var. *subterraneum*

SUBTERRANEAN CLOVER

'Narrikup'^ϕ

Application No: 2009/208

Applicant: **The Western Australian Agriculture Authority**

Certificate No: 4966 Expiry Date: 11 February, 2035.

Vaccinium corymbosum hybrid

SOUTHERN Highbush BLUEBERRY

'Island Blue'^ϕ

Application No: 2008/286

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

Certificate No: 4982 Expiry Date: 23 March, 2035.

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

Vitis vinifera

GRAPE VINE

'Blagratwo'^ϕ

Application No: 2012/015

Applicant: **Sheehan Genetics LLC**

Certificate No: 4957 Expiry Date: 9 January, 2040.

Agent: **Sheehan Genetics Australia Pty Ltd**, Emerald, Vic.

Vitis vinifera

GRAPE VINE

'Sheegene 10'^ϕ syn **Russell'sPride**^ϕ

Application No: 2012/069

Applicant: **Sheehan Genetics LLC**

Certificate No: 4958 Expiry Date: 9 January, 2040.

Agent: **Sheehan Genetics Australia Pty Ltd**, Emerald, Vic.

Denomination Changed

Application No.	<i>Genus</i>	<i>Species</i>	Common Name	Changed From	Changed To
2007/020	<i>Tristaniopsis</i>	laurina	Kanooka	Winter Red	Burgundyblush

Synonym Changed

App. No.	Genus	Species	Variety	Common Name	Synonym Changed From	Synonym Changed To
2014/279	<i>Avena</i>	<i>sativa</i>	Bond	Oats	AV 007	PAL3
2014/280	<i>Avena</i>	<i>sativa</i>	Boss	Oats	AV 010	PAL2
2014/281	<i>Avena</i>	<i>sativa</i>	Savannah	Oats	AV 019	PAL6

Assignment of Rights

App No.	Genus	Species	Variety	Common Name	Changed From	Changed To
2003/333	<i>Medicago</i>	<i>sativa</i>	57Q75	Lucerne	Pioneer Hi-Bred International, Inc.	S & W Seed Company

Change/Nomination of Agent

App. No.	Genus	Species	Variety	Changed From	Changed To
2013/304	<i>Vitis</i>	<i>vinifera</i>	JPD-001	Phillips Ormonde & Fitzpatrick	A J Park
2003/333	<i>Medicago</i>	<i>sativa</i>	57Q75	Pioneer Hi-Bred Australia Pty Ltd	Seed Genetics International (SGI), a wholly owned subsidiary of S&W Seed Company
2005/074	<i>Lupinus</i>	<i>albus</i>	Luxor	Viterra	Seednet

WITHDRAWN

The following varieties are no longer under PBR provisional protection

App. No.	Genus	Species	Common Name	Variety
2013/260	<i>Gaura</i>	<i>lindheimeri</i>	Gaura	Passionate Rainbow Petite
2013/256	<i>Salvia</i>	<i>sylvestris</i>	Salvia	Impact-Purple
2011/164	<i>Citrullus</i>	<i>lanatus</i>	Watermelon	SP-5
2014/206	<i>Lolium</i>	<i>multiflorum</i>	Italian Ryegrass	Lush

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Grants Surrendered

App. No.	Genus	Species	Variety	Synonym	Common Name
1997/141	<i>Hordeum</i>	vulgare	DICTATOR		Barley
2005/147	<i>Calibrachoa</i>	hybrid	Balcabred		Calibrachoa
2005/142	<i>Calibrachoa</i>	hybrid	Balcabpurp		Calibrachoa
2002/202	<i>Nemesia</i>	hybrid	Ballaropi		Nemesia
2005/151	<i>Nemesia</i>	<i>foetans</i>	Balaroyal		Nemesia
2002/237	<i>Impatiens</i>	<i>walleriana</i>	Balolefro		Busy Lizzie
2002/205	<i>Impatiens</i>	<i>walleriana</i>	Balolesal		Busy Lizzie
2002/200	<i>Impatiens</i>	<i>walleriana</i>	Balolecher		Busy Lizzie
2005/030	<i>Prunus</i>	<i>armeniaca</i>	Rivergold		Apricot
2005/028	<i>Prunus</i>	<i>armeniaca</i>	Riverbrite		Apricot
2003/319	<i>Triticum</i>	aestivum	TMB406FT		Wheat
1999/368	<i>Solanum</i>	tuberosum	Kuroda		Potato
2000/010	<i>Solanum</i>	tuberosum	White Lady		Potato
2010/279	<i>Phormium</i>	tenax	Choc N' Cherry		New Zealand Flax
2002/094	<i>Lolium</i>	multiflorum	Archie		Italian Ryegrass
2005/207	<i>Hordeum</i>	vulgare	Fitzroy		Barley
2008/154	<i>Lactuca</i>	<i>sativa</i>	Multigreen 1		Lettuce
2008/124	<i>Brachyscome</i>	hybrid	Rambobree		Brachyscome
2006/057	<i>Alstroemeria</i>	hybrid	Zalsanyx	Onyx	Peruvian Lily
1998/252	<i>Gaura</i>	<i>lindheimeri</i>	Crimson Butterflies		Gaura
1997/140	<i>Chamelaucium</i>	<i>uncinatum</i>	Julien Brook		Waxflower
2000/192	<i>Mimusops</i>	<i>elengi</i>	Street Elegance		Spanish Cherry
1998/246	<i>Rosa</i>	hybrid	Ausland	Scepter'd Isle	Rose
1998/245	<i>Rosa</i>	hybrid	Ausmoon	Pegasus	Rose
1996/088	<i>Gossypium</i>	<i>hirsutum</i>	Sicot 189		Cotton
2005/196	<i>Gossypium</i>	<i>hirsutum</i>	Sicot 71B		Cotton
2005/194	<i>Gossypium</i>	<i>hirsutum</i>	Sicot 350B		Cotton
2000/269	<i>Prunus</i>	<i>persica</i> var. <i>nucipersica</i>	Fire Sweet	Fire Gold	Nectarine
2002/057	<i>Prunus</i>	<i>persica</i> var. <i>nucipersica</i>	Kay Sweet	Kay Gold	Nectarine
2010/038	<i>Sporobolus</i>	<i>virginicus</i>	QLD-Coast		Sand Couch
2004/262	<i>Anigozanthus</i>	<i>flavidus</i>	Lilac Queen		Kangaroo Paw
2012/067	<i>Impatiens</i>	hybrid	SAKIMP005S		Impatiens

Grants Expired

The following varieties are no longer under PBR protection:

App. No.	Genus	Species	Common Name	Variety
1992/081	<i>Plumbago</i>	<i>auriculata</i>	Plubago	Monott
1992/096	<i>Lolium</i>	<i>rigidum</i>	Annual Ryegrass	Guard

GRANTS REVOKED

The following varieties are no longer under PBR protection

App No.	Genus	Species	Variety	Synonym	Common Name
1999/273	<i>Agapanthus</i>	<i>orientalis</i>	Regal Beauty		Agapanthus
2010/079	<i>Eucomis</i>	<i>comosa</i>	Rebecca		Pineapple Flower
2001/302	<i>Erigeron</i>	<i>karvinskianus</i>	Serendipity		Seaside Daisy
2005/121	<i>Cordyline</i>	<i>hybrid</i>	Uto01		Cordyline
1997/074	<i>Malus</i>	<i>domestica</i>	Delblush		Apple
2004/128	<i>Plectranthus</i>	<i>hiliardiae</i> × (<i>P. saccatus</i> × <i>P. hiliardiae</i>)	P000607	Purple Angel	Spurflower
2004/129	<i>Plectranthus</i>	<i>hiliardiae</i> × <i>Plectranthus saccatus</i>	P000603	Pink Angel	Spurflower

Corrigenda

Citrullus lanatus
Watermelon

‘SP-6’

Application No: 2013/187

Previous description published in *Plant Varieties Journal* 26.4 was based on the local trial in which some of the characters described in the DUS report from Netherlands (later submitted) could not be observed. Hence, the following description which is based on DUS report is republished.

<u>Details of Application</u>	
Application Number	2013/187
Variety Name	‘SP-6’
Genus Species	<i>Citrullus lanatus</i>
Common Name	Watermelon
Synonym	SP6
Accepted Date	04 November 2013
Applicant	Syngenta International AG, Basel, Switzerland
Agent	Syngenta Australia, Macquarie Park, NSW
Qualified Person	Rachel Archbald
<u>Details of Comparative Trial</u>	
Overseas Testing Authority)	Naktuinbouw, Roeloffarendsveen, Netherlands
Overseas Data Reference Number	WTR245
Descriptor	Watermelon <i>Citrullus lanatus</i> UPOV TG/142/1 Overseas test report. Local verification was done using UPOV TG/142/5 guidelines.
Period	2013-2014
Conditions	Two DUS trials were carried out in the Netherlands to observe SP6 characteristics which are described below. The overseas data was verified at Ayr, QLD UPOV TG/142/5 guidelines.
Trial Design	Randomised Block design with two replicates
Measurements	5 plants per variety/plot for local trial
RHS Chart - edition	2010
<u>Origin and Breeding</u>	
Controlled pollination: ‘SP-5’ x ‘PI595203’ in Woodland, CA in 2008 and backcrossed with pollen parent in 2009. The selfed F ₃ – F ₈ of the backcross was grown in Khon Kaen, Thailand in 2010-2011 and selected for plant and fruit characteristics, Zucchini Yellow Mosaic Virus (ZYMV) resistance. The uniformity and stability of the characteristics were determined in 2011. The seed parent is characterised by small	

seed size, susceptibility to ZYMV and red seed colour. The pollen parent is characterised by resistance to ZYMV, Fusarium race 1 and race 2 and durability of fruit rind. Breeder, James Brusca, Syngenta Seeds, Woodland, CA, 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	type	superpollinator
Plant	ploidy	diploid
Flower	colour	yellow
Fruit	flesh colour	yellow
Fruit	Ground colour of skin	green
Fruit	stripes	present
Fruit	width of stripes	very narrow
Fruit	shape in longitudinal section	circular
Fruit	weight 1 st maturity	very low to low
Seed	Seed colour	Tan

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
‘SP-5’	seed parent and most similar 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
‘SP-4’	Fruit flesh:colour	yellow	white	
‘SP-4’	Fruit size	small	small-medium	
‘SP-4’	Seed size	large	small	
‘SP-4’	Fruit shape	round	blocky	

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	‘SP-6’	‘SP-5’
<input type="checkbox"/> Ploidy:	diploid	diploid
<input checked="" type="checkbox"/> Cotyledon: shape	elliptic	medium elliptic
<input type="checkbox"/> Cotyledon: size	small to medium	medium
<input checked="" type="checkbox"/> Cotyledon: intensity of green color	dark	medium
<input type="checkbox"/> Cotyledon: spots	absent	-
<input type="checkbox"/> Plant: length of internode	medium	-
<input type="checkbox"/> Leaf blade: length	medium	-
<input type="checkbox"/> Leaf blade: width	medium	-

Leaf blade: ratio length/width	medium	-
<input type="checkbox"/> Leaf blade: colour	green	green
<input type="checkbox"/> Leaf blade: intensity of colour	medium to dark	-
<input type="checkbox"/> Leaf blade: degree of primary lobing	medium to strong	-
Leaf blade: degree of secondary lobing	medium to strong	-
<input type="checkbox"/> Leaf blade: blistering (on 10 th to 15 th leaf)	weak	-
Leaf blade: marbling	absent or weak	-
Petiole: length	short	-
Ovary: size (at time of flowering)	small	-
Ovary: pubescence	medium to strong	-
<input type="checkbox"/> Fruit: weight (1 st mature fruit)	very low to low	low
<input type="checkbox"/> Fruit: shape in longitudinal section	circular	circular
<input type="checkbox"/> Fruit: ground colour of skin	green	light to medium green
Fruit: intensity of ground colour of skin	light	-
<input type="checkbox"/> Fruit: wax layer	weak	absent or very weak
<input type="checkbox"/> Fruit: size of insertion of peduncle	small to medium	small
<input type="checkbox"/> Fruit: depression at base	very shallow	absent or very shallow
<input type="checkbox"/> Fruit: shape of apical part	rounded	truncate
<input type="checkbox"/> Fruit: depression at apex	very shallow	shallow
<input type="checkbox"/> Fruit: size of pistil scar	medium	small
Fruit: distribution of grooves	absent	-
<input type="checkbox"/> Fruit: degree of grooving	-	-
<input type="checkbox"/> Fruit: stripes	present	-
<input type="checkbox"/> Fruit: type of stripes	clearly defined	one colored and veins
<input type="checkbox"/> Fruit: intensity of colour of stripes	very light to light green	light green
<input type="checkbox"/> Fruit: width of stripes	very narrow	very narrow
<input type="checkbox"/> Fruit: intensity of marbling	medium	-
<input type="checkbox"/> Fruit: thickness of pericarp	thin	thin
<input type="checkbox"/> Fruit: main colour of flesh	yellow	yellow
Fruit: Intensity of main colour of flesh	dark	-
<input type="checkbox"/> Fruit : number of seeds	medium	many
<input type="checkbox"/> Seed : size	large to very large	-
<input checked="" type="checkbox"/> Seed : ground color of testa	tan	red brown

<input type="checkbox"/>	Seed : secondary colour of testa	absent	absent
<input type="checkbox"/>	Seed : distribution of secondary colour of testa	-	-
	Seed : area of secondary colour in relation to that of ground colour	-	-
<input type="checkbox"/>	Seed : patches at hilum	present	absent or very weak
<input checked="" type="checkbox"/>	Time of : female flowering (50% of plants with at least one female flower)	medium to late	early
<input type="checkbox"/>	Resistance to : <i>Fusarium oxysporum f.sp. niveum</i> -Race 1	present	present
<input type="checkbox"/>	Resistance to : <i>Fusarium oxysporum f.sp. niveum</i> -Race 2	present	present
<input type="checkbox"/>	Resistance to : <i>Colletotrichum orbiculare</i> - Race 1	present	present

Characteristics Additional to the Descriptor/TG		
Organ/Plant Part: Context	‘SP-6’	‘SP-5’
<input checked="" type="checkbox"/> Seedling: vigour	strong	medium
<input checked="" type="checkbox"/> Seed : length	medium	short
<input checked="" type="checkbox"/> Seed : ratio length/width	medium	high
<input type="checkbox"/> Plant: branches	many and thin	many and thin
<input type="checkbox"/> Plant: resistance to powdery mildew	present	present
<input type="checkbox"/> Fruit: brittle rind	present	present
<input type="checkbox"/> Fruit: size	small	small
<input type="checkbox"/> Fruit: flesh colour	yellow	yellow
<input type="checkbox"/> Plant: resistance to <i>Zucchini yellow mosaic virus</i>	present	-

Prior Applications and Sales

Country	Year	Current Status	Name Applied
South Africa	2013	Applied	‘SP-6’
USA	2012	Granted	‘SP-6’
European Union	2012	Granted	‘SP6’

First sold in USA in February 2013.

Description: **Rachel Archbald**, Airlie Beach, QLD.

Application No: 2012/021

Potato

Solanum tuberosum

The name of most VCK in the description of this variety published in Plant Varieties Journal Vol. 27 issue 2 (Page-307) is incorrect and should be replaced by the following table:

Most Similar Varieties of Common Knowledge identified (VCK)	
Name	Comments
'Valor'	

Tomato

*Solanum lycopersicum***'ESSENTIAL'**

Application No: 2012/120

The claim of distinctness on fruit: green shoulder (before maturity) has been removed from the published description (PVJ 26.3) because distinctness was inadvertently published.

Part 3 Appendices

The appendices to *Plant Varieties Journal* (**Vol. 28 Issue 1**) 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. For more information please read our news article on the [Fee Review Update](#).

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	from 1 October 2012 Fee	
	Approved Means	By Another Means
PBR Application	\$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	from 1 July 2012 Fee
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	from 1 July 2012 Fee	
	Approved Means	By Another Means
Annual Fee	\$345	\$395

Qualified Person

Fee Item/Action	from 1 July 2012 Fee
Application for Accreditation as a Qualified Person	\$50
Renewal of Qualified Person Accreditation (each year)	\$50

Appendix 2

Plant Breeder's Rights Advisory Committee (PBRAC)

(PBRAC is established by section 63 of the *Plant Breeder's Rights Act 1994*)

- **Chair** - Mr Doug Waterhouse – Chief of Plant Breeder's Rights
- **Member with Appropriate Qualifications** - Professor Andrew Christie
- **Member Representing Users** - Ms Helen Dalton
- **Member Representing Conservation Interests** - Ms Marnie Ireland
- **Member Representing Consumers** - Mr Mark McKay
- **Member Representing Plant Breeders** - Mr Christopher Prescott
- **Member Representing Plant Breeders** - Mr Grant Wilson
- **Member with Appropriate Qualifications** - Dr Roslyn Prinsley
- **Member Representing Indigenous Interests** - Appointment process currently underway

For more information on PBRAC members <http://www.ipaustralia.gov.au/about-us/regulatory-and-advisory-bodies/pbrac/pbrac-members/>

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 GROUP/SPECIES/FAMILY	CONSULTANT'S NAME (TELEPHONE AND AREA IN TABLE 2)
Actinidia	Lye, Colin Paananen, Ian
Agapanthus	Paananen, Ian
Almonds	Cottrell, Matthew McClintlock, Rachael Pettigrew, Stuart Swinburn, Garth
Alstroemeria	Paananen, Ian
Ajuga	Paananen, Ian
Apple	Buchanan, Peter Cramond, Gregory Fleming, Graham Langford, Garry Mackay, Alastair Malone, Michael Mitchell, Leslie Paananen, Ian Pettigrew, Stuart Tancred, Stephen

Anigozanthos	Paananen, Ian Kirby, Greg Smith, Daniel
Anthurium	Paananen, Ian
Aroid	Harrison, Peter
Avocado	Chislett, Susan Cottrell, Matthew Lye, Colin Edwards, Arthur MacGregor, Alison Owen-Turner, John Paananen, Ian Parr, Wayne Swinburn, Garth Whiley, Tony
Azalea	Hempel, Maciej Paananen, Ian
Barley (Common)	Collins, David Downes, Ross Saunders, James
Berry Fruit	Brevis-Acuna, Patricio Fleming, Graham Pettigrew, Stuart Zorin, Margaret
Blackberry	Brevis-Acuna, Patricio Paananen, Ian
Blandfordia	Treverrow, Florence
Blueberry	Brevis-Acuna, Patricio Paananen, Ian Scalzo, Jessica Zorin, Margaret
Bougainvillea	Iredell, Janet Willa Prince, John
Brachyscome	Paananen, Ian
Brassica	Christie, Michael Cooper, Kath Downes, Ross Easton, Andrew Fennell, John Gororo, Nelson Kadkol, Gururaj O'Connell Peter Paananen, Ian Saunders, James Watson, Brigid

Brunia	Dunstone, Bob
Buddleia	Robb, John Paananen, Ian
Buffalo Grass	Paananen, Ian
Calibrachoa	Paananen, Ian
Callistemon	Parsons, Rodney
Camellia	Paananen, Ian Robb, John
Cannabis (low THC varieties only and subject to holding a current licence from the appropriate authority)	Warner, Philip
Carnation/Dianthus	Paananen, Ian
Cereals	Bullen, Kenneth Christie, Michael Collins, David Cook, Bruce Cooper, Kath Downes, Ross Fennell, John Hare, Raymond Harrison, Peter Henry, Robert J Madsen, Dean Mitchell, Leslie Moore, Stephen Oates, John Paananen, Ian Roake, Jeremy Rose, John Sadeque, Abdus Saunders, James Siedel, John Watson, Brigid
Cherry	Cramond, Gregory Fleming, Graham Mackay, Alastair Mitchell, Leslie
Chickpeas	Downes, Ross Collins, David Goulden, David Paananen, Ian Saunders, James
Chinese Elm	Fennell, John

Chrysanthemum	Paananen, Ian
Citrus	Calabria, Patrick Chislett, Susan Cottrell, Matthew Edwards, Arthur Lee, Slade MacGregor, Alison Mitchell, Leslie Owen-Turner, John Paananen, Ian Parr, Wayne Pettigrew, Stuart Strange, Pamela Swinburn, Garth Topp, Bruce
Clivia	Paananen, Ian Smith, Kenneth
Clover	Downes, Ross James, Jennifer Lake, Andrew Lin, Joy Mitchell, Leslie Paananen, Ian Saunders, James Watson, Brigid
Cucurbits	Christie, Michael Herrington, Mark O'Connell Peter Paananen, Ian
Cynodon	Hudner, Darra
Dianella	Paananen, Ian Watkinson, Andrew
Dogwood	Fleming, Graham
Echinacea	Paananen, Ian
Eremophila	Parsons, Rodney
Eucalyptus	Paananen, Ian
Euphorbia	Paananen, Ian
Feijoa	Parr, Wayne
Fibre Crops	Gillespie, David
Fig	Cottrell, Matthew Fleming, Graham Paananen, Ian Parr, Wayne

Forage Brassicas	Goulden, David Saunders, James
Forage Grasses	Downes, Ross Fennell, John Harrison, Peter Kirby, Greg Mitchell, Leslie Paananen, Ian Watson, Brigid
Forage Legumes	Downes, Ross Fennell, John Harrison, Peter Hill, Jeff James, Jennifer Lake, Andrew Lin, Joy Saunders, James Siedel, John
Fruit	Brown, Gordon Chislett, Susan Christie, Michael Cramond, Gregory Cottrell, Matthew Delaporte, Kate Fleming, Graham Gillespie, David Lenoir, Roland Mitchell, Leslie Paananen, Ian Parr, Wayne Pettigrew, Stuart Trimboli, Dan
Fuchsia	Paananen, Ian
Gerbera	Paananen, Ian
Ginger	Smith, Mike Whiley, Tony
Grape	Cottrell, Matthew Delaporte, Kate Fleming, Graham Hashim-Maguire, Jennifer Lye, Colin MacGregor, Alison McClintlock, Rachael Mitchell, Leslie Paananen, Ian Parr, Wayne Pettigrew, Stuart Smith, Daniel Strange, Pamela Swinburn, Garth Zorin, Margaret

Grevillea	Dunstone, Bob Herrington, Mark Paananen, Ian Parsons, Rodney
Gypsophila	Paananen, Ian
Hardenbergia	Dunstone, Bob
Hops	Paananen, Ian
Hydrangea	Hanger, Brian Paananen, Ian
Impatiens	Paananen, Ian
Jojoba	Dunstone, Bob
Kalanchoe	Paananen, Ian
Lavender	Paananen, Ian
Legumes	Christie, Michael Collins, David Cook, Bruce Cruickshank, Alan Downes, Ross Harrison, Peter Kadkol, Gururaj Kirby, Greg Lake, Andrew Loch, Don Mitchell, Leslie Paananen, Ian Rose, John Saunders, James Siedel, John
Lentils	Collins, David Downes, Ross Goulden, David Saunders, James
Leucaena	Roche, Matthew
Lilium	Paananen, Ian
Liriope	Paananen, Ian
Lettuce	Christie, Michael O'Connell, Peter
Lomandra	Paananen, Ian
Lucerne	Downes, Ross Lake, Andrew Mitchell, Leslie Saunders, James

Lupin	Collins, David Saunders, James
Macadamia	Hockings, David Paananen, Ian
Magnolia	Paananen, Ian
Mandevilla	Paananen, Ian
Mango	Lye, Colin Owen-Turner, John Mitchell, Leslie Paananen, Ian Parr, Wayne Whiley, Tony
Metrosideros	Roche, Matthew
Mushrooms, edible	Paananen, Ian Wong, Percy
Myrtaceae	Dunstone, Bob Paananen, Ian
Myrtus	Buchanan, Peter
Native grasses	Paananen, Ian Quinn, Patrick
Oat	Collins, David Downes, Ross Madsen, Dean Saunders, James
Oilseed crops	Christie, Michael Downes, Ross Madsen, Dean Oates, John Paananen, Ian Saunders, James Siedel, John
Olives	Lunghusen, Mark Paananen, Ian Pettigrew, Stuart
Onions	Fennell, John O'Connell Peter Paananen, Ian

Ornamentals - Exotic

Abell, Peter
Armitage, Paul
Angus, Tim
Christie, Michael
Collins, Ian
Delaporte, Kate
Eggleton, Steve
Fisk, Anne Marie
Fleming, Graham
Guy, Gareme
Harrison, Dion
Harrison, Peter
Hempel, Maciej
Hockings, David
Lenoir, Roland
Loch, Don
Lunghusen, Mark
Mackinnon, Amanda
Mitchell, Hamish
Mitchell, Leslie
Oates, John
O'Brien, Shaun
Paananen, Ian
Prescott, Chris
Prince, John
Robb, John
Singh, Deo
Stewart, Angus
Watkins, Phillip
Watkinson, Andrew

Ornamentals - Indigenous

Abell, Peter
 Angus, Tim
 Christie, Michael
 Delaporte, Kate
 Downes, Ross
 Eggleton, Steve
 Harrison, Dion
 Harrison, Peter
 Henry, Robert J
 Hockings, David
 Jack, Brian
 Kirby, Greg
 Lee, Slade
 Lenoir, Roland
 Loch, Don
 Lowe, Greg
 Lunghusen, Mark
 Mackinnon, Amanda
 Mitchell, Hamish
 Molyneux, W M
 Oates, John
 O'Brien, Shaun
 Paananen, Ian
 Prince, John
 Singh, Deo
 Slater, Tony
 Stewart, Angus
 Watkins, Phillip

 Osmanthus

Paananen, Ian
 Robb, John

 Osteospermum

Paananen, Ian

 Pastures & Turf

Cameron, Stephen
 Christie, Michael
 Cook, Bruce
 Downes, Ross
 Fennell, John
 Harrison, Peter
 Kadkol, Gururaj
 Kirby, Greg
 James, Jennifer
 Lin, Joy
 Loch, Don
 Madsen, Dean
 McMaugh, Peter
 Mitchell, Leslie
 Oates, John
 Paananen, Ian
 Roche, Matthew
 Rose, John
 Saunders, James
 Sewell, James
 Smith, Raymond
 Zorin, Margaret

Peanut	Cruickshank, Alan
Pear	Cramond, Gregory Fleming, Graham Langford, Garry Mackay, Alastair Malone, Michael Paananen, Ian Tancred, Stephen
Pelargonium	Paananen, Ian
Persimmon	Paananen, Ian Parr, Wayne Swinburn, Garth
Petunia	Paananen, Ian
Philodendron	Paananen, Ian
Philotheca	Dunstone, Bob
Phormium	Paananen, Ian
Photinia	Paananen, Ian Robb, John
Pistacia	Chislett, Susan Cottrell, Matthew Paananen, Ian Pettigrew, Stuart Richardson, Clive
Pisum	Downes, Ross Goulden, David RhSaunders, James
Pomegranate	Paananen, Ian Pettigrew, Stuart
Potatoes	Delaporte, Kate Fennell, John Friemond, Terry Hill, Jim Lochert, Liteisha McKay, Stewart O'Connell Peter Paananen, Ian Saunders, James Slater, Tony Wharmby, Emma
Proteaceae	Paananen, Ian Robb, John

Prunus	Buchanan, Peter Calabria, Patrick Cottrell, Matthew Cramond, Gregory Fleming, Graham Mackay, Alastair Malone, Michael Paananen, Ian Topp, Bruce Witherspoon, Jennifer
Pulse Crops	Christie, Michael Collins, David Downes, Ross Oates, John Paananen, Ian Sadeque, Abdus Saunders, James
Raspberry	Brevis-Acuna, Patricio Fleming, Graham Herrington, Mark Paananen, Ian Zorin, Margaret
Rhododendron	Paananen, Ian
Rose	Delaporte, Kate Fleming, Graham Hanger, Brian Lee, Peter McKirdy, Simon Paananen, Ian Prescott, Chris Swane, Geoff Syrus, A Kim
Scaevola	Paananen, Ian
Sesame	Harrison, Peter
Soybean	Christie, Michael Harrison, Peter James, Andrew Paananen, Ian
Spathiphyllum	Paananen, Ian

Stone Fruit	Chislett, Susan Cottrell, Matthew Cramond, Gregory Fleming, Graham MacGregor, Alison Mackay, Alistair Malone, Michael Paananen, Ian Pettigrew, Stuart Swinburn, Garth
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Strawberry	Brevis-Acuna, Patricio Herrington, Mark Kadkol, Gururaj Mitchell, Leslie Oates, John Zorin, Margaret
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Sugarcane	Christie, Michael Cox, Mike Paananen, Ian Piperidis, George
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Tomato	Christie, Michael Herrington, Mark O'Connell Peter Paananen, Ian
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Tree Crops	Hockings, David Paananen, Ian
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Triticale	Downes, Ross Collins, David Cooper, Kath Saunders, James
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Tropical/Sub-Tropical Crops	Fittler, Michael Harrison, Peter Hockings, David Parr, Wayne Whiley, Tony
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Umbrella Tree	Paananen, Ian
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Vegetables	Christie, Michael Delaporte, Kate Fennell, John Frkovic, Edward Harrison, Peter Gillespie, David Lenoir, Roland MacGregor, Alison Morley, Ken Oates, John Paananen, Ian Pearson, Craig Pettigrew, Stuart Trimboli, Dan Westra Van Holthe, Jan
Verbena	Paananen, Ian
Walnut	Cottrell, Matthew Mitchell, Leslie Paananen, Ian
Wheat (Aestivum & Durum Groups)	Christie, Michael Collins, David Downes, Ross Fittler, Michael Kadkol, Gururaj Paananen, Ian Saunders, James
Zantedeschia	Paananen, Ian
Zoysia	Hudner, Darra

TABLE 2

NAME	TELEPHONE	AREA OF OPERATION
Abell, Peter	0438 392 837 mobile	Australia
Angus, Tim	(64 4) 568 3878 ph/fax 001164211871076 mobile tim.angus@ymail.com	Australia and New Zealand
Armitage, Paul	03 9756 7233 03 9756 6948 fax	Victoria
Brevis-Acuna, Patricio	0400 446 588 mobile	Yarra Valley/Melbourne area, Victoria
Brown, Gordon	03 6239 6411 03 6239 6711 fax	Tasmania
Buchanan, Peter	07 4615 2182 07 4615 2183 fax	Eastern Australia
Calabria, Patrick	02 6963 6360 0438 636 219 mobile	Riverina area of NSW
Chislett, Susan	03 5038 8238 03 5038 8213 fax 0417 344 745 mobile	Murray Valley Region, Southern Australia
Christie, Michael	02 9777 1148 0434 455 444	Australia
Collins, David	08 9623 2343 ph/fax 0154 42694 mobile	Central Western Wheat belt of Western Australia
Cooper, Kath	08 8339 3049 0429 191 848 mobile	South Australia
Cottrell, Matthew	03 5024 8603 0438 594010 mobile	Australia
Cox, Mike	07 4132 5200 07 4132 5253 fax	Queensland and NSW
Cramond, Gregory	08 8390 0299 08 8390 0033 fax 0417 842 558 mobile	Australia
Cruickshank, Alan	07 4160 0722 07 4162 3238 fax	QLD
Delaporte, Kate	08 8373 2488 08 8373 2442 fax 0427 394 240 mobile	South Australia
Downes, Ross	02 4474 0456 ph 02 4474 0476 fax 0402472601 mobile	ACT, South East Australia
Dunstone, Bob	02 6281 1754 ph/fax	South East NSW
Easton, Andrew	07 4690 2666 07 4630 1063 fax	QLD and NSW
Edwards, Arthur	08 8586 1232 08 8595 1394 fax 0409 609 300 mobile	SE Australia
Eggleton, Steve	03 9876 1097 03 9876 1696 fax	Melbourne Region
Fennell, John	08 8369 8840 08 8389 8899 fax 0401 121 891 mobile	Australia
Fittler, Michael	02 6773 2522 02 6773 3238	NSW
Fleming, Graham	03 9756 6105 03 9752 0005 fax	Australia

Friemond, Terry	08 9203 6720 08 9203 6720 fax 0438 915 811 mobile	Western Australia
Frkovic, Edward	02 6962 7333 02 6964 1311 fax	Australia
Gillespie, David	07 4155 6344 07 4155 6656 fax	Wide Bay Burnett District, QLD
Gororo, Nelson	03 5382 5911 03 5382 5755 fax 0428 534 770 mobile	Mediterranean areas of Australia
Goulden, David	64 3 325 6400 64 3 325 2074 fax	New Zealand
Hanger, Brian	03 9837 5547 ph/fax 0418 598106 mobile	Victoria
Hare, Ray	02 6763 1232 02 6763 1222 fax	QLD, NSW VIC & SA
Harrison, Dion	07 5460 1313 07 5460 1283 fax	south east QLD and northern NSW
Harrison, Peter	08 8948 1894 ph 08 8948 3894 fax 0407 034 083 mobile	Tropical/Sub-tropical Australia, including NT and NW of WA and tropical arid areas
Hashim-Maguire, Jennifer	0499 499 089 mobile	VIC, SA,WA,NSW,QLD
Hempel, Maciej	02 4628 0376 02 4625 2293 fax	NSW, QLD, VIC, SA
Henry, Robert J	02 6620 3010 02 6622 2080 fax	Australia
Herrington, Mark	07 5441 2211 07 5441 2235 fax	Southern Queensland
Hill, Jeff	08 8303 9487 08 8303 9607 fax	South Australia
Hill, Jim	03 6428 2519 03 6428 2049 fax 0428 262 765 mobile	Australia
Hockings, David	07 5494 3385 ph/fax	Southern Queensland
Hudner, Darra	0734882829 0424 730 782 mobile	Australia - trial to be done mainly in Queensland
Iredell, Janet Willa	07 3202 6351 ph/fax	SE Queensland
Jack, Brian	08 9952 5040 08 9952 5053 fax	South West WA
James, Andrew	07 3214 2278 07 3214 2272 fax	Australia
James, Jennifer	+64 6 3518214	Manawatu Region, New Zealand
Kadkol, Gururaj	02 6763 1232 0419 685 943 mobile	NSW
Kirby, Greg	08 8201 2176 08 8201 3015 fax	South Australia
Lake, Andrew	08 8177 0558 0418 818 798 mobile lake@arcom.com.au	SE Australia
Langford, Garry	03 6266 4344 03 6266 4023 fax 0418 312 910 mobile	Australia
Lee, Peter	03 6330 1147 03 6330 1927 fax	SE Australia
Lee, Slade	0419 474 251 mobile	Queensland/Northern New South Wales
Lenoir, Roland	02 6231 9063 ph/fax	Australia
Lin, Joy	64 6351 8214	New Zealand

Loch, Don	07 38245440 07 38245445 fax lochd@bigpond.com	Queensland
Lochert, Liteisha	0439 888 248 mobile	South Australia
Lunghusen, Mark	03 5998 2083 03 5998 2089fax 0407 050 133 mobile	Melbourne & environs
Lye, Colin	07 4671 0044 07 4671 0066 fax 0427 786 668 mobile	NT, QLD and NSW
MacGregor, Alison	03 5023 4644 0419 229 713 mobile	Southern Australia – Murray Valley Region
Mackay, Alastair	08 9310 5342 ph/fax 0159 87221 mobile	Western Australia
Mackinnon, Amanda	03 6265 9050 03 6265 9919 fax	Australia
Madsen, Dean	02 6025 4817 0429 023 766 mobile	Southern NSW, Victoria and Tasmania
McClintlock, Rachael	03 5021 5406 0427 000 565 mobile	Southern Australia
McMaugh, Peter	02 9872 7833 02 9872 7855 fax	Australia
Malone, Michael	+64 6 877 8196 +64 6 877 4761 fax	New Zealand
McKay, Stewart	03 6428 2519 0438 247 978	North West Tasmania
McKirdy, Simon	042 163 8229 mobile	Australia
Mitchell, Hamish	03 9737 9568 03 9737 9899 fax	Victoria
Mitchell, Leslie	03 5821 2021 03 5831 1592 fax	VIC, Southern NSW
Molyneux, William	03 5965 2011 03 5965 2033 fax	Victoria
Moore, Stephen	02 6799 2230 02 6799 2239 fax	NSW
Morley, Ken	08 8541 2802 08 8541 3108 fax 0429 081 318	South Australia
Oates, John	02 6495 0712 0427 277 951 mobile	Eastern Australia
O'Brien, Shaun	07 5442 3055 07 5442 3044 fax 0407 584 417 mobile	SE Queensland
O'Connell, Peter	02 9403 0787 02 9402 6664 fax 0488 233 704 mobile	VIC, NSW, QLD
Owen-Turner, John	07 4129 5217 07 4129 5511 fax	Burnett region, Central Queensland region
Paananen, Ian	02 4381 0051 02 8569 1896 fax 0412 826 589 mobile	Australia (based in Sydney) and New Zealand
Parr, Wayne	07 4129 4147 07 4129 4463 fax	QLD, Northern NSW
Pettigrew, Stuart	08 8431 0689 0429 936 812	South eastern Australia and southern Western Australia
Piperidis, George	07 3331 3373 07 3871 0383 fax	QLD, Northern NSW

Prescott, Chris	03 5998 5100 03 5998 5333 0417 340 558 mobile	Victoria
Prince, John	07 5533 0211 07 5533 0488 fax	SE QLD
Quinn, Patrick	03 5427 0485	SE Australia
Richardson, Clive	03 51550255	Victoria
Roake, Jeremy	02 9351 8830 02 9351 8875 fax	Sydney Region
Roche, Matthew	0412 197 218 mobile	Queensland
Robb, John	02 4376 1330 02 4376 1271 fax 0199 19252 mobile	Sydney, Central Coast NSW
Rose, John	07 4661 2944 07 4661 5257 fax	SE Queensland
Sadeque, Abdus	02 6799 2233 0432 554 645 mobile	Eastern Australia
Saunders, James	03 8318 9016 03 8318 9002 fax 0408 037 801 mobile	Australia
Sewell, James	03 5334 7871 0403 546 811 mobile	Southern Australia
Scalzo, Jessica	+64 6975 8908 2122 689 08 mobile	New Zealand and Australia
Singh, Deo	0418 880787 mobile 07 3207 5998 fax	Brisbane
Slater, Tony	03 9210 9222 03 9800 3521 fax 0408 656 021 mobile	SE Australia
Smith, Kenneth	02 4570 9069	Australia
Smith, Mike	07 5444 9630	SE Queensland
Smith, Stuart	03 6336 5234 03 6334 4961 fax	SE Australia
Strange, Pamela	03 5024 8204 0427539441 mobile	SE Australia
Swane, Geoff	02 6889 1545 02 6889 2533 fax 0419 841580 mobile	Central western NSW
Swinburn, Garth	03 5023 4644 03 5023 5814 fax	Murray Valley Region - from Swan Hill (Vic) to Waikere (SA)
Syrus, A Kim	03 8556 2555 03 8556 2955 fax	Adelaide
Tancred, Stephen	07 4681 2931 07 4681 4274 fax 0157 62888 mobile	QLD, NSW
Treverrow, Florence	02 6629 3359	Australia
Trimboli, Dan	02 6882 6433 0419 286376 mobile	Southern Australia
Topp, Bruce	07 4681 1255 07 4681 1769 fax	SE QLD, Northern NSW
Warner, Philip	07 5499 9249 ph/fax 0412 162 003 mobile	Australia
Watkins, Phillip	08 9537 1811 08 9537 3589 fax 0416 191 472 mobile	Perth Region
Watkinson, Andrew	07 5445 6654 0409 065 266 mobile	Northern NSW and Southern QLD
Watson, Brigid	03 5688 1058 0429 702 277 mobile	Victoria

Westra Van Holthe, Jan

03 9706 3033
03 9706 3182 fax

Australia

Wharmby, Emma

03 6428 2519
0400410779

North west Tasmania

Whiley, Tony

07 5441 5441

QLD

Wong, Percy

02 9036 7767

Australia

Zorin, Margaret

07 3207 4306

Eastern Australia

0418 984 555

Last updated on: 01/05/2015

Appendix 4 Index of Accredited Non-Consultant Qualified Persons

Name
Archbald, Rachel
Aquilizan, Flaviano
Baelde, Arie
Baker, Grant
Bally, Ian
Bartley, Megan
van Beek, Marije
Bennett, Nicholas
Bernuetz, Andrew
Berryman, Pamela
Birchall, Craig
Boorman, Des
Box, Amanda
Brewer, Lester
Brindley, Tony
Brown, Emma
Bunker, Kerry
Brunt, Charlotte
Bunker, John
Burton, Wayne
Cameron, Nick
Cecil, Andrew
Chesher, Wayne
Chaudhury, Abdul
Clayton-Greene, Kevin
Clingeffer, Peter
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
Fleming, Rebecca
Flett, Peter
Geary, Judith
Gibbons, Philip
Glover, Russell

Graetz, Darren
Gurciullo, Gaetano
Haak, Ian
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
Madsen, Dean
Matic, Rade
Materne, Michael
Matthews, Michael
May, Peter
McCabe, Dominic
McCredde, 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
Ovenden, Ben
Palmer, Ross
Parkes, Heidi
Paull, Jeff
Pearce, Bob
Pearce, William
Peoples, Alan
Pike, David
Pike, Elise
Porter, Gavin
Potter, Trent
Pressler, Craig
Rankin, Grant
Rayner, Kenneth
Real, Daniel
Reid, Peter
Reinke, Russell
Russell, Dougal
Sanders, Milton
Sanewski, Garth
Sarkhosh, Ali
Schreuders, Harry
Scott, Ralph
Senior, Michael
Shan, Fucheng
Shapter, Timothy
Smith, Leigh
Smith, Malcolm
Smith, Chris
Snell, Peter
Snelling, Cath
Song, Leonard
Sounness, Janine
Stephens, Joseph
Stiller, Warwick
Sutton, John
Taylor, Kerry
Thomas, Adam
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
Whiting, Matthew
Wilkie, John
Williams, Joanne
Wilson, Rob
Wilson, Stephen
Winter, Bruce
Wirthensohn, Michelle
Wright, Graeme
Yan, Guijun

Last updated on: 01/05/2015

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 \$920. This is a saving of more than 40% over the normal fee of \$1610.

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 VIC	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> , <i>Diascia</i> , <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> , <i>Lavandula</i> , <i>Osmanthus</i> , <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> , <i>Raphiolepis</i> , <i>Eriostemon</i> , <i>Lonicera</i> <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> , <i>Anthurium</i>	Field beds, wide range of comparative varieties	C Milne D Singh	30/6/00
Turf Australia†	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 J Oates	31/12/00
NSW Agriculture	Temora NSW	<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 A Bernuetz M Hunt T Angus	30/9/02
Carol's Propagation	Alexandra Hills, QLD	<i>Dahlia</i>	Field beds, wide range of comparative varieties	C Milne D Singh	31/12/03
Carol's Propagation	Brookfield, QLD	<i>Anubias</i>	Glasshouse specifically designed for aquatic plants	C Milne 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
Proteaflora 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 NT	<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, quarantine facilities	K Mullins	31/12/04

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</i> , <i>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 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	3/6/08
PBseeds	Horsham, VIC	<i>Lens culinaris</i>	Glasshouse, shadehouse, small plot equipment, seed production, processing and long term storage	T Leonforte 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 Megan Bartley	10/2/12
Outback Plants Pty Ltd	Cranbourne, and Longwarry VIC	<i>Aloe</i>	Propagation greenhouses and indoor and outdoor growing areas.	M Lunghusen	10/12/12
Solan Pty Ltd	Waikerie SA	<i>Solanum tuberosum</i>	Tissue culture, plastic covered nursery, refrigerated storage; experience with comparator growing trials	J. Fennell	10/1/13
GeneGro Pty and V & CM Zorin	Birkdale, QLD	<i>Desmanthus</i>	Irrigated field trial areas; laboratory and related equipment; access to dryers and heated glasshouse.	D Loch M Zorin	22/7/2014
Tahune Fields Nursery	Huon Valley Southern Tasmania	Pome Fruit	Comprehensive equipment and facilities for large scale propagation, growing, conditioning, storage, marketing and transport	G Brown	12/03/2015

The following applications are pending:

Name	Location	Genera applied for	Facilities	Name of QP
Haar's Nursery	Somerville, VIC	<i>Erysimum</i> , <i>Impatiens</i> **, <i>Nemesia</i>	Propagation greenhouses; indoor and outdoor growing areas	M. Lunghusen
Highsun Express**	Ormiston and Toowoomba	<i>Pelargonium</i> , <i>Verbena</i> and <i>Petunia</i>	Climate controlled greenhouses, shade houses, outdoor growing areas, germination chambers, cool rooms, an approved quarantine facility	D Singh M Zorin
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 these organisations have been requested to submit a special case based on technical reasons and other grounds to allow an additional CTCs to be accredited for the genera in question. Accordingly, publication of their pending application does not infer that any decision regarding accreditation has been made at this time.

† = Following the 2012 restructuring within the Queensland Government, the CTC for *Cynodon*, *Zoysia* and other selected warm season-season turf and amenity species at Cleveland, Queensland previously conducted by Department of Primary Industries, Redlands Research Station, will now be run at the same location by Turf Australia.

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: 30 June 2015.

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., Beta vulgaris L. var. altissima	BETAA_VUL_GVA; 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; 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/



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