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This part of the Plant Varieties Journal provides public notices on Acceptances, Variety Descriptions, Grants and Variations etc. The Public Notices of Plant Varieties Journal (Vol. 37 Number 3) are listed below:

Contents

Acceptances

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

Application Number	Variety Name	Common Name	Synonym	Genus	Species	Applicant(s)	Acceptance Date
2024/188	Sheegene 28	Grape Vine	Not Applicable	*Vitis*	*vinifera*	Bloom Fresh International Limited	20/09/2024
2020/057	EG Titanium	Wheat	UQ01527	*Triticum*	*aestivum*	Edstar Genetics Pty Ltd	14/11/2024
2024/181	FL 17 15 86	Strawberry	Not Applicable	*Fragaria*	*x ananassa*	Florida Foundation Seed Producers, Inc.	02/10/2024
2024/206	Typhoon	Persian clover	Not Applicable	*Trifolium*	*resupinatum var. majus*	The University of Western Australia, PGG Wrightson Seeds (Australia) Pty Limited	10/10/2024
2024/223	Melanie	Potato	Not Applicable	*Solanum*	*tuberosum*	Böhm-Nordkartoffel Agrarproduktion GmbH & Co. OHG	12/11/2024
2024/231	HUTAMT41	Swiss Cheese Plant	Not Applicable	*Monstera*	*deliciosa*	Huta Green Company Limited	14/11/2024
2024/224	Kerren	Potato	Not Applicable	*Solanum*	*tuberosum*	Böhm-Nordkartoffel Agrarproduktion GmbH & Co. OHG	12/11/2024
2024/218	Lumen	Persian clover	Not Applicable	*Trifolium*	*resupinatum var majus*	Barenbrug Australia PTY. LTD.	01/11/2024
2024/159	Emblaze	Kale	K-CgK.IH_20.mx	*Brassica*	*oleracea*	Forage Innovations Limited	18/10/2024
2024/184	Happy Dreams	Thrift	Not Applicable	*Armeria*	*pseudarmeria*	Plant Growers Australia Pty. Ltd.	30/09/2024
2024/165	Paul Mac	Avocado	Not Applicable	*Persea*	*americana*	Donald MacGregor	01/10/2024
2024/202	FRANKIE	Melon	Not Applicable	*Cucumis*	*melo*	HM.CLAUSE, Inc.	19/11/2024
2024/142	Lady Erin	Peach	Not Applicable	*Prunus*	*persica*	Zaiger's Inc. Genetics	13/11/2024

2024/182	FL 16 78 109	Strawberry	Not Applicable	*Fragaria*	*x ananassa*	Florida Foundation Seed Producers, Inc.	02/10/2024
2024/204	EL WAKA	Spinash	Not Applicable	*Spinacia*	*oleracea*	Syngenta Crop Protection AG	01/11/2024
2024/136	PBB 1616T	Blackberry (spineless)	Not Applicable	*Rubus*	*subg. Rubus*	Hortifrut Genetics Limited	10/10/2024
2024/216	WPSD4-A	Peach	Not Applicable	*Prunus*	*persica*	Orchard Management Solutions Pty Ltd	01/11/2024
2024/228	Theda	Potato	Not Applicable	*Solanum*	*tuberosum*	Böhm-Nordkartoffel Agrarproduktion GmbH & Co. OHG	14/11/2024
2022/185	Low Rider	Tinaroo Bottlebrush	Not Applicable	*Callistemon*	*recurvus*	Complete Plant Management	27/09/2024
2024/219	Ruby SL	Orange	Not Applicable	*Citrus*	*sinensis*	Croc Valley Farms (Pty) Ltd	13/11/2024
2024/222	Saratoga Russet	Potato	Not Applicable	*Solanum*	*tuberosum*	Böhm-Nordkartoffel Agrarproduktion GmbH & Co. OHG	12/11/2024
2024/178	IFG Forty-six	Grapevine	Not Applicable	*Vitis*	hybrid	Bloom Fresh International Limited	22/10/2024
2024/220	Hypnotic Baby	Add common name here and in PB	Not Applicable	*Tibouchina*	hybrid	Terence Charles Keogh	05/11/2024
2024/230	HGT2h	Industrial hemp	HGT-G105h	*Cannabis*	*sativa*	HempGenTech Pty Ltd	01/11/2024
2024/187	Ipador	Apple	Not Applicable	*Malus*	*domestica Borkh.*	Better3fruit NV	10/10/2024
2024/226	Columbia	Potato	Not Applicable	*Solanum*	*tuberosum*	Böhm-Nordkartoffel Agrarproduktion GmbH & Co. OHG	12/11/2024
2024/147	ElizabethAshley	Rose	Geus4611	*Rosa*	hybrid	Select Breeding B.V.	03/10/2024
2024/169	Adder	Balansa clover	Not Applicable	*Trifolium*	*michelianum*	The University of Western Australia, PGG Wrightson Seeds (Australia) Pty Limited	01/10/2024

2024/227	Calisto	Potato	Not Applicable	*Solanum*	*tuberosum*	Böhm-Nordkartoffel Agrarproduktion GmbH & Co. OHG	12/11/2024
2024/094	CBC015	Strawberry	Not Applicable	*Fragaria*	*x ananassa*	California Berry Cultivars, LLC	27/09/2024
2024/146	Geus1713	Rose	Not Applicable	*Rosa*	hybrid	Select Breeding B.V.	03/10/2024
2024/229	8S5505	Apple	Not Applicable	*Malus*	*domestica*	His Majesty the King in Right of Canada as represented by the Minister of Agriculture and AgriFood	01/11/2024
2024/200	Bonpri 1762	Princettita	Not Applicable	*Euphorbia*	*pulcherrima x cornastra*	Bonza Botanicals Pty Ltd	09/10/2024
2024/225	Islara	Potato	Not Applicable	*Solanum*	*tuberosum*	Böhm-Nordkartoffel Agrarproduktion GmbH & Co. OHG	12/11/2024
2024/158	Foundation	Forage Rape	Not Applicable	*Brassica*	*napus*	Forage Innovations Limited	18/10/2024
2024/107	SR1	Avocado	Not Applicable	*Persea*	*americana*	SPW Avocados Limited	22/10/2024
2024/237	Eves Joy	Strawberry	Not Applicable	*Fragaria*	*xananassa*	Edward Vinson Ltd	14/11/2024
2024/205	BT RASFOUR	Raspberry	Not Applicable	*Rubus*	*idaeus*	Berrytech S.R.L.	14/10/2024

Rejections

Application Number	Variety Name	Common Name	Synonym	Genus	Species	Applicant(s)	Rejected Date

Variety Descriptions

Application No.	Botanical Name	Variety Name
2011/285	*Vaccinium corymbosum*	'Huron'
2015/150	*Mangifera indica*	'P7'
2015/209	*Camellia* hybrid	'Parflorpink'
2016/381	*Litchi chinensis*	'Tainung No. 6'
2016/384	*Litchi chinensis*	'Tainung No. 7'
2017/016	*Citrus reticulata*	'00C018'
2017/017	*Citrus reticulata*	'LS00C018'
2017/018	*Citrus reticulata*	'LS01C011'
2017/019	*Citrus reticulata*	'01C011'
2017/020	*Citrus reticulata*	'02C063'
2017/021	*Citrus reticulata*	'LS02C063'
2017/203	*Hydrangea paniculata*	'Hpopr013'
2017/294	*Zamioculcas zamiifolia*	'Dark Zamicro'
2018/240	*Rubus idaeus*	'PBBRSP1348'
2018/241	*Rubus idaeus*	'PBBRSP1381'
2018/327	*Prunus avium*	'Areko'
2018/358	*Cucumis sativus*	'SQISITO'
2020/148	*Grevillea lanigera*	'Mello Yellow'
2020/149	*Grevillea* hybrid	'Amazing Grace'
2020/243	*Solanum tuberosum*	'EP-THERESA'
2020/268	*Hydrangea macrophylla*	'Jon04'
2020/269	*Hydrangea macrophylla*	'Jon02'
2021/003	*Acer platanoides x truncatum*	'JFS-KW187'
2022/125	*Cordyline australis*	'PeppermintShake'
2022/140	*Arachis hypogaea*	'WALKAMIN'
2023/005	*Solanum tuberosum*	'BALTIC FIRE'
2023/006	*Solanum tuberosum*	'ELLAND'
2023/016	*Lactuca sativa*	'Icevita'
2023/079	*Fragaria x ananassa*	'DrisStrawEightySeven'
2023/080	*Fragaria x ananassa*	'DrisStrawEightySix'

2023/081	*Vaccinium corymbosum*	'DrisBlueTwentyThree'
2023/082	*Rubus subgenus Rubus*	'DrisBlackTwenty'
2023/197	*Lactuca sativa*	'JAVIO'
2024/050	*Vaccinium corymbosum*	'DrisBlueTwentyTwo'
2024/090	*Lactuca sativa*	'AVEMUS'
2024/148	*Lactuca sativa L.*	'THERAS'
2024/152	*Fragaria x ananassa*	'DrisStrawEightyTwo'

Details of Application

Application Number	2011/285
Variety Name	'Huron'
Genus Species	*Vaccinium corymbosum*
Common Name	Blueberry
Synonym	
Accepted Date	30-May-2012
Applicant	Board of Trustees of Michigan State University, Michigan, USA
Agent	Foote Intellectual Property Limited, Lower Hutt 5040, New Zealand
Qualified Person	Ian Paananen

Details of Comparative Trial

Overseas Testing Authority	Canadian Food Inspection Agency
Overseas Data Reference Number	10-6938
Location	St. Thomas, Ontario, Canada
Descriptor	TG/137/4
Period	2013 to 2017
Conditions	As per DUS test report.
Trial Design	As per DUS test report.
Measurements	As per DUS test report.
RHS Chart - edition	2007

Origin and Breeding

Controlled pollination: seed parent "MU-6566" x pollen parent "G-344U" in 1991 at Southwest Michigan Research and Extension Centre (SWMREC) in Benton Harbour, Michigan, USA. The seed parent is characterised by a late time of flowering, dark fruit colour and high yields. The pollen parent is characterised by a firm powder blue fruit with pleasant flavour. 1991-1997: growth to field maturity and evaluation of characteristics. 1997: selection of "Huron" from a group of 87 siblings. 1998-2010: propagation by cuttings and establishment of plant trials multiple sites. Selection criteria: Strong growth vigour, moderate branching, early time of ripening, large fruit size with good uniformity. Propagation: vegetative cuttings and micropropagation found to be uniform and stable. Breeder: James F Hancock, Michigan, 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
Leaf	shape	elliptic
Leaf	margin	serrate
Flower	shape of corolla	urceolate
Fruit	shape in longitudinal section	oblate
Fruit	colour of skin	dark blue
Plant	fruiting type	On one year old shoots only

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Bluecrop'	
'Duke'	

Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with X

Organ/Plant Part: Context	'Huron'	'Bluecrop'	'Duke'
☐ *Plant: vigour	medium to strong	strong	medium
☐ *Plant: growth habit	semi-upright	upright to semi-upright	semi-upright
☐ One-year-old shoot: colour	green	green	green
☐ One-year-old shoot: length of internode	short to medium	short to medium	short to medium
☐ *Leaf: length	short to medium	medium	medium
☐ Leaf: width	medium	medium	medium to broad
☐ Leaf: ratio length/width	medium	medium	medium
☐ *Leaf: shape	elliptic	elliptic	elliptic
☐ Leaf: colour of upper side	green	green	green

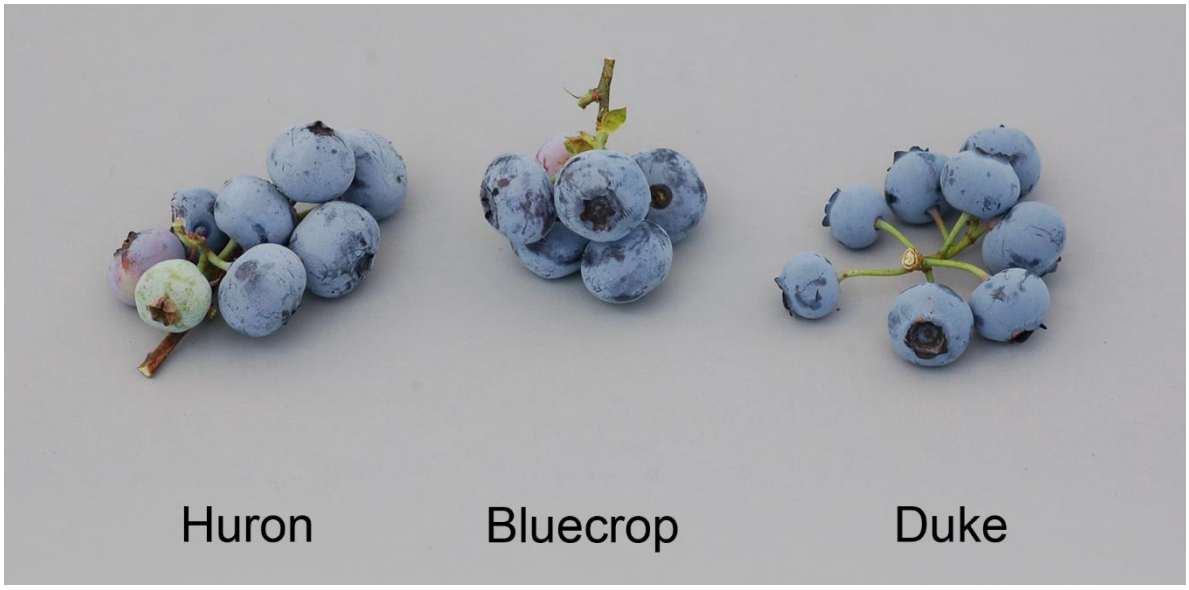
☐ *Leaf: intensity of green colour on upper side (varieties with green leaf colour only)	dark	dark	dark
☐ *Leaf: margin	serrate	serrate	serrate
☒ Flower bud: anthocyanin colouration	very weak to weak	medium	strong
☐ Inflorescence: length	short	short	short
☐ Flower: shape of corolla	urceolate	urceolate	urceolate
☐ *Flower: size of corolla tube	medium	medium	medium
☐ *Flower: anthocyanin colouration of corolla tube	absent or very weak	absent or very weak	absent or very weak
☐ Flower: ridges on corolla tube	present	present	present
☒ Fruit cluster: density	dense	medium	medium
☒ *Unripe fruit: intensity of green colour	light	medium	medium
☐ *Fruit: size	large	medium to large	medium to large
☐ *Fruit: shape in longitudinal section	oblate	oblate	oblate
☐ Fruit: attitude of sepals	semi-erect	semi-erect	erect
☒ Fruit: type of sepals	incurving to straight	incurving to straight	straight to reflexed
☐ Fruit: diameter of calyx basin	medium	medium to large	medium to large
☐ Fruit: depth of calyx basin	shallow	shallow to medium	medium
☐ *Fruit: intensity of bloom	medium to strong	strong	medium to strong
☐ *Fruit: colour of skin	dark blue	dark blue	dark blue
☐ Fruit: firmness	firm	medium to firm	medium to firm
☐ *Fruit: sweetness	medium to high	medium	medium
☐ *Fruit: acidity	low to medium	medium	low
☐ *Plant: fruiting type	on one-year-old shoots only	on one-year-old shoots only	on one-year-old shoots only
☐ *Time of: beginning of flowering on one-year-old shoot	medium to late	medium to late	late
☐ *Time of: beginning of fruit ripening on one-year-old shoot	early	early to medium	early

Prior Applications and Sales:

Country	Year	Status	Name Applied
Europe	2010	Withdrawn	'Huron'
United States	2008	Granted	'Huron'
New Zealand	2010	Granted	'Huron'

First sold in USA in Aug 2008 as 'Huron'

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



Vaccinium corymbosum (Blueberry) variety 'Huron' with comparators 'Bluecrop' and 'Duke'

Details of Application

Application Number	2015/150
Variety Name	'P7'
Genus Species	*Mangifera indica*
Common Name	Mango
Accepted Date	12-Sep-2017
Applicant	Colin Richard Jeacocke & Gail Dorothy Jeacocke, Gin Gin, QLD
Agent	Clifford Gouldson Lawyers, Toowoomba, QLD
Qualified Person	Leslie Mitchell

Details of Comparative Trial

Location	Gin Gin, Queensland
Descriptor	TG/112/4
Period	2017-2020
Conditions	Field grown in rows under standard irrigation and fertiliser conditions
Trial Design	Block design
Measurements	As per TG/112/4
RHS Chart - edition	6 Edition

Origin and Breeding

Chance seedling: 'P7' arose as a chance seedling which geminated within a block of 'Palmer' mango trees, growing at Sunkist Plantation near Gin Gin in Queensland. The plant was identified in 2011 and 6 cuttings grafted on to Kensington Pride rootstock in that year. Evaluation of fruit and storage qualities were completed between 2015 and 2017, and during this time several further vegetative multiplications were done. Throughout this time the variety remained stable and true to type. Breeders: Gail Dorothy Jeacocke and Colin Richard Jeacocke, Gin Gin, 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
Mature fruit	shape of the ventral shoulder	rounded upwards
Mature fruit	time to beginning of flowering	late to very late
Mature fruit	time to fruit maturity	late to very late

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Palmer'	Parent

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Kensington Pride'	mature fruit	time to fruit maturity late	medium	

Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with X

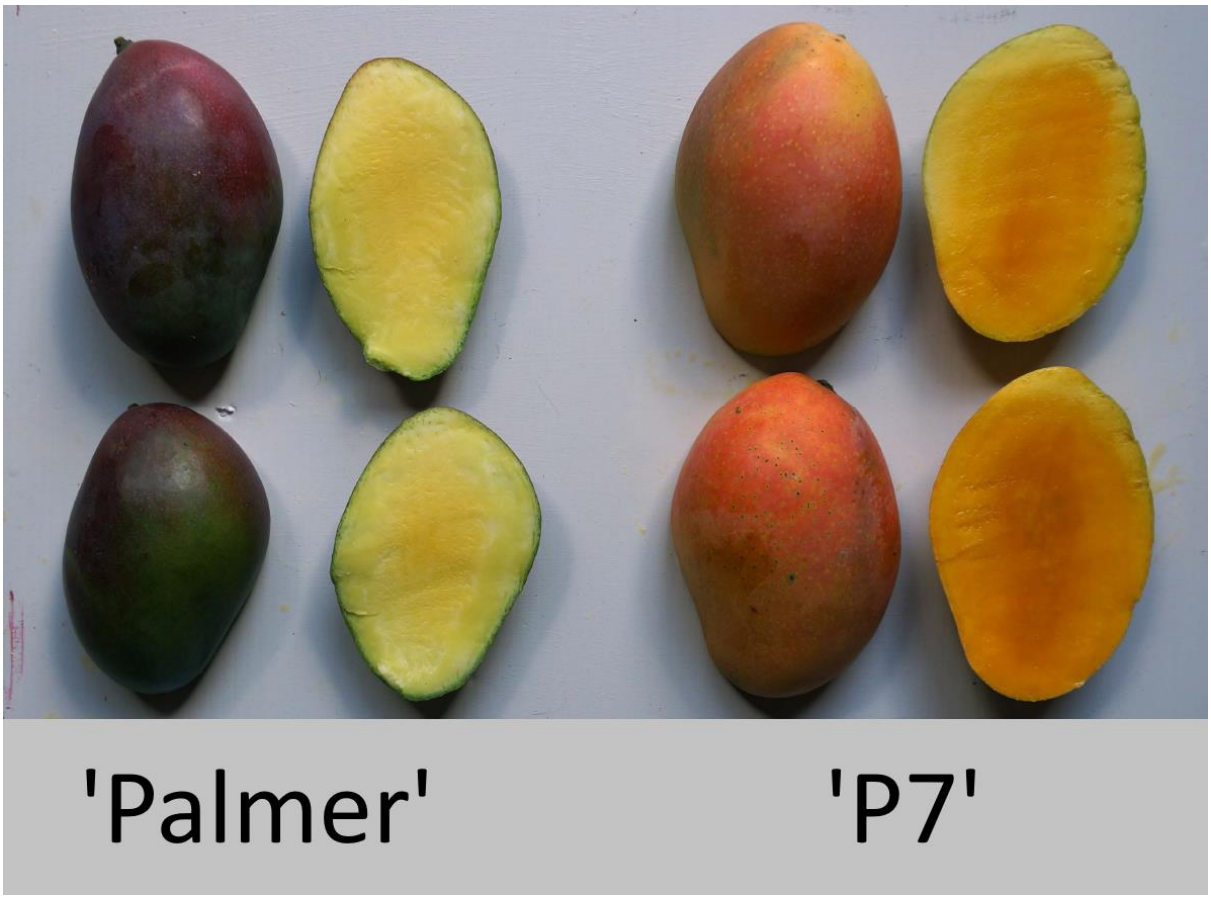
Organ/Plant Part: Context	'P7'	'Palmer'
☐ *Tree: attitude of main branches	spreading	spreading
☐ *Young leaf: intensity of anthocyanin colouration	weak	weak
☐ Leaf blade: length	short	short
☐ Leaf blade: width	narrow to medium	narrow to medium
☐ Leaf blade: shape	ovate	ovate
☐ Leaf blade: colour	dark green	dark green
☐ Leaf blade: twisting	absent	absent
☐ Leaf blade: spacing of secondary veins	medium	medium
☒ Leaf blade: undulation of margin	medium	absent or weak
☐ Leaf blade: shape of base	obtuse	obtuse
☐ Leaf blade: shape of apex	acute	acute
☐ Petiole: attitude in relation to shoot	erect	erect
☒ Petiole: length	medium	short
☐ *Mature fruit: length	medium	medium to long
☐ *Mature fruit: width	narrow to medium	narrow to medium
☐ *Mature fruit: ratio length/width	medium to large	large
☒ *Mature fruit: shape in cross section	broad elliptic	medium elliptic
☒ *Mature fruit: colour of skin	green and pink	green and purple
☒ Mature fruit: density of lenticels	medium	dense
☒ Mature fruit: colour contrast between lenticels and skin	medium	strong
☐ Mature fruit: size of lenticels	very small to small	small
☐ Mature fruit: roughness of surface	absent	absent
☐ Mature fruit: stalk cavity	absent or shallow	absent or shallow

☒ Mature fruit: presence of neck	absent	present
☐ *Mature fruit: shape of ventral shoulder	rounded upward	rounded upward
☐ *Mature fruit: shape of dorsal shoulder	rounded downward	sloping downward
☐ Mature fruit: length of groove in ventral shoulder	medium	medium
☒ Mature fruit: depth of groove in ventral shoulder	absent or shallow	medium
☐ Mature fruit: bulging on ventral shoulder	absent	absent
☐ *Mature fruit: presence of sinus	absent	absent
☐ *Mature fruit: depth of sinus	very shallow	shallow
☐ *Mature fruit: bulging proximal of stylar scar	absent or weak	absent or weak
☐ Mature fruit: point at stylar scar	absent or small	absent or small
☐ Mature fruit: diameter of stalk attachment	small	small
☒ *Ripe fruit: predominant colour of skin	orange and red	red and purple
☐ Ripe fruit: speckling of skin	strong	strong to very strong
☐ Ripe fruit: thickness of skin	medium	medium
☐ Ripe fruit: adherence of skin to flesh	medium	medium
☒ Ripe fruit: main colour of flesh	medium orange	dark orange
☐ Ripe fruit: firmness of flesh	medium	medium to firm
☐ Ripe fruit: juiciness	medium to high	medium to high
☐ Ripe fruit: texture of flesh	medium	fine to medium
☐ *Ripe fruit: amount of fiber attached to stone	low to medium	low to medium
☐ Ripe fruit: amount of fiber attached to skin	medium	medium
☐ *Ripe fruit: “turpentine flavor”	absent	absent
☒ Stone: relief of surface	grooved	ridged
☒ Seed: shape in lateral view	oblong	reniform
☒ *Seed: embryony	polyembryonic	monoembryonic
☒ Time of: beginning of flowering	late	very late
☒ *Time of: fruit maturity	late	very late

Prior Applications and Sales:

Nil

Description: Les Mitchell, Shepparton, VIC.



Mango (*Mangifera indica*) – 'P7' showing differences in fruit characteristics with comparator 'Palmer'

Details of Application

Application Number	2015/209
Variety Name	'Parflorpink'
Genus Species	*Camellia* hybrid
Common Name	Camellia
Accepted Date	03-Aug-2015
Applicant	The Paradise Seed Company Pty. Limited, Kariong, NSW
Qualified Person	John Robb

Details of Comparative Trial

Location	Kulnura NSW
Descriptor	TG/275/1 Camellia
Period	2023
Conditions	Plants propagated from cutting, rooted cuttings planted into 250mm pots in a soilless, commercial grade potting mix (pine bark base). All plants were subjected to the same chemical treatments for crop protection as required and fed with a slow release fertiliser as required
Trial Design	randomised complete block
Measurements	taken from twelve plants
RHS Chart - edition	Fifth edition

Origin and Breeding

Controlled pollination: Buds of the seed parent were emasculated in august 1997. emasculated flowers were hand pollinated several days later using stored pollen from the male parent. 50 seed resulted from these crosses. these were harvested & sown in august 1998. 35 seedlings germinated and were raised to maturity. 'Parflorpink' first flowered in 2001 and was propagated via cuttings for further trialling. it was selected as a new variety in 2007 based on flower colour, flower timing and plant habit. Breeder: The Paradise Seed Company Pty Limited.

Choice of Comparators

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Flower	colour	pink
Flower	time of flowering start	early
Leaf	length of blade	long to very long
Flower	type	peony

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'ParPink cameo'	same species used as parents in creating this hybrid
'Parillumination'	similar flower colour & growth habit
'Parflorknock'	sister seedling, similar habit

Varieties of Common Knowledge identified above and subsequently excluded

Variety		Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Coral delight'	Flower	time of flowering start	early to medium	very early to early	also different parent species used to create comparator
'Contemplation'	Flower	form	peony	semi double	also much paler flower colour

Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with X

Organ/Plant Part: Context	'Parflorpink'	'Parflorknock'	'Parillumination'	'Pink Cameo'
☐ *Plant: growth habit	upright	upright	upright	upright
☐ Branch: zigzagging	absent	absent	absent	absent
☐ *Plant: density of foliage	dense	dense	dense	medium
☐ *Terminal vegetative bud: number	one	one	one	one
☐ *Young shoot: colour	green	green	green	green
☒ *Leaf: attitude	upwards	upwards	upwards	outwards
☐ *Leaf: arrangement	alternate	alternate	alternate	alternate
☐ *Leaf blade: length	very long	very long	very long	long to very long
☐ Leaf blade: width	broad to very broad	broad to very broad	broad to very broad	broad
☐ *Leaf blade: position of broadest part	middle third	middle third	middle third	middle third
☐ *Leaf blade: shape of base	acute	rounded	acute	acute
☐ *Leaf blade: shape of apex	short acuminate	short acuminate	medium acuminate	short acuminate
☐ *Leaf blade: pubescence on upper side	absent	absent	absent	absent

☐ *Leaf blade: thickness	medium	medium	medium	medium
☒ *Leaf blade: venation on upper side	weak	medium	weak	weak
☒ *Leaf blade: glossiness of upper side	medium	weak	weak to medium	medium
☐ *Leaf blade: variegation	absent	absent	absent	absent
☒ *Leaf blade: colour of upper side (excluding variegation)	dark green	medium green	medium green	medium green
☒ Leaf blade: shape in cross section	concave	concave	concave	flat
☐ *Leaf blade: margin	serrulate	serrulate	serrulate	serrulate
☐ *Sepal: shape	ovate	ovate	ovate	ovate
☐ *Sepal: colour of outer side	yellowish green	yellowish green	yellowish green	yellowish green
☐ *Flower bud: arrangement	terminal and axillary	terminal and axillary	terminal and axillary	terminal and axillary
☐ *Flower: diameter	large to very large	medium to large	large to very large	medium to large
☐ *Flower: form	peony form	peony form	peony form	peony form
☐ *Flower: presence of petaloids	present	present	present	present
☐ *Flower: number of petaloids	very few	very few	very few	few
☐ Flower: petaloids	some stamens petaloid	some stamens petaloid	some stamens petaloid	some stamens petaloid
☐ *Petal: shape of apex	retuse	rounded	rounded	retuse
☒ *Petal: curvature of longitudinal axis	recurved	recurved	flat	recurved
☐ *Flower: shape of petals of first outer row	oblong	oblong	oblong	oblong
☒ *Petal: undulation of margin	absent or weak	medium	medium	medium
☒ *Petal: main colour (RHS colour chart)	67C	58B	68A	65A
☐ *Petal: intensity of shading of main colour (excluding variegation)	evenly shaded	evenly shaded	evenly shaded	evenly shaded

☐ *Stamens: arrangement	dispersed	dispersed	dispersed	dispersed
☒ *Stigma: position in relation to stamens	below	below	above	below
☐ *Time of: flowering	early to medium	early to medium	early	early to medium

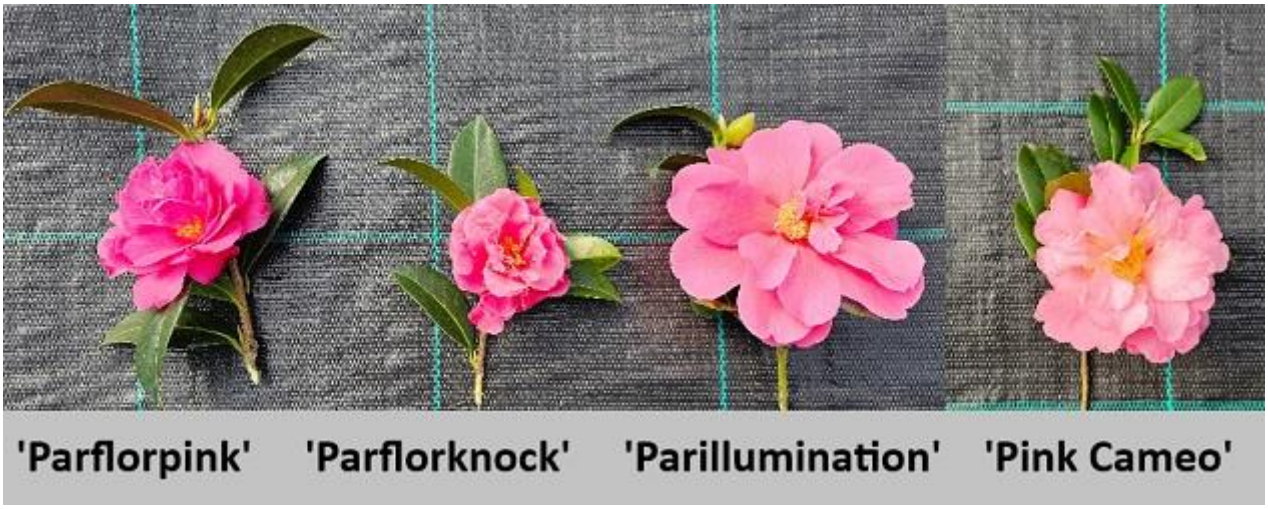
Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context		'Parflorpink'	'Parflorknock'	'Parillumination'	'Pink Cameo'
☐ Filament :	colour	pinky yellow	yellowy pink	pinky yellow	yellowish

Prior Applications and Sales:

Nil

Description: John Robb, Kulnura, NSW



Camellia (*Camellia* hybrid) - Candidate 'Parflorpink' showing differences in floral characteristics with comparator varieties 'Parflorknock', Parillumination' and 'Pink Cameo'

Details of Application

Application Number	2016/381
Variety Name	'Tainung No. 6'
Genus Species	*Litchi chinensis*
Common Name	Lychee
Synonym	Red Lady
Accepted Date	20-Mar-2017
Applicant	Taiwan Agricultural Research Institute, Taiwan (R.O.C.)
Agent	Spruson & Ferguson, Sydney, NSW
Qualified Person	Yu-Cheng Ko

Details of Comparative Trial

Overseas Testing Authority	Taiwan Agricultural Research Institute, Ministry of Agriculture, Taiwan (R.O.C.)
Overseas Data Reference Number	TN6
Location	Fengshan Tropical Horticultural Experiment Branch, Taiwan Agricultural Research Institute, Ministry of Agriculture, Taiwan (R.O.C.)
Descriptor	UPOV TG/LITCHI (proj. 5) 2014-02-11
Period	2021 to 2023
Conditions	'Tainung No.6 Colorful Lychee' is planted in an orchard located in Kaohsiung city, Taiwan (R.O.C.). Conditions are ideal for commercial production. The trees are pruned after harvest. Irrigation, fertilizer and plant protection treatments are applied as required.
Trial Design	All measurements and observations are taken according to UPOV Technical Protocol. Assessments taken from the same trees randomly selected in two independent growing cycles.
Measurements	As per UPOV TG/LITCHI (proj. 5) 2014-02-11. Fruit weight, Brix, date of flowering and yield were measured in addition to visual observations.

Origin and Breeding

Open Pollination: 'Tainung No. 6' is one of the seedlings of 'Khom'. 1999: the seeds were germinated and grown in the nursery; a single seedling named 'K9' was selected as the present variety. Selection criteria: yield is high and regular with early flowering time, and dark red fruit color. 2000-2005: asexual propagation, and advanced evaluation were conducted. Asexual reproduction was accomplished by grafting and 'Yu Her Pau' as rootstock. 2006-2010: DUS test for Taiwan was applied. The place was at Fengshan Tropical Horticultural Experiment Branch, Taiwan Agricultural Research Institute (TARI), Ministry of Agriculture, Taiwan. The comparator was 'Khom'. Breeder: Yong-Xing Deng, a staff of TARI, Taiwan.

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	spreading
Plant	shape	circular
Fruit	surface	strong protuberances

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Khom'	

Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with X

Organ/Plant Part: Context	'Tainung No. 6'	'Khom'
☐ Plant: growth habit	spreading	spreading
☐ Plant: shape	circular	circular
☐ Plant: vigour	medium	medium
☐ One-year old shoot: thickness	medium	medium
☐ One-year old shoot: attitude	upwards	upwards
☐ One-year old shoot: length of internode	short	short
☐ One-year old shoot: size of lenticels	medium	medium
☐ One-year old shoot: density of lenticels	medium	medium
☒ Young shoot: colour	reddish green	brown
☐ Leaf: arrangement of leaflets	slightly alternate	slightly alternate
☐ Leaf: length	medium	medium
☐ Petiole: colour of upper side	green brown	green brown
☒ Leaflet: shape	elliptic	oblong
☐ Leaflet: shape in cross section	moderately concave	moderately concave
☐ Leaflet: surface of upper side	moderately rough	moderately rough
☐ Leaflet: length of petiolule	medium	medium
☒ Leaflet blade: length	short	long
☒ Leaflet blade: width	medium	narrow
☒ Leaflet blade: ratio length/width	medium	high
☒ Leaflet: length of tip	medium	long
☐ Leaflet: symmetry of base	symmetric or weakly asymmetric	symmetric or weakly asymmetric
☐ Leaflet: shape of base	acute	acute

☒ Leaflet: undulation of margin	absent or weak	medium
☒ Leaflet: intensity of green colour	dark	light
☐ Leaflet: glossiness of upper side	medium	medium
☐ Leaflet: conspicuousness of lateral veins	medium	weak
☒ Inflorescence: length	medium	short
☐ Inflorescence: width	medium	medium
☒ Inflorescence: ratio length/width	medium	high
☒ Inflorescence: density of branching	medium	sparse
☒ Inflorescence: density of flowers	medium	sparse
☐ Inflorescence: intensity of green colour of main axis	medium	medium
☒ Flower: depth of stigma splitting	medium	deep
☒ Fruit: size	large	medium
☒ Fruit: shape	elliptic	circular
☒ Fruit: shape of shoulder at stalk end	asymmetrically depressed	truncate
☐ Fruit: depth at stalk end	shallow	shallow
☒ Fruit: conspicuousness of suture	weak	medium
☒ Fruit: colour of skin	medium red	dark red
☐ Fruit: surface	strong protuberances	strong protuberances
☒ Fruit: thickness of skin	medium	thin
☒ Fruit: colour of flesh	yellowish	whitish
☐ Fruit: weight of flesh compared to weight of fruit	low	low
☐ Seed: shape	elliptic	elliptic
☒ Seed: colour	medium brown	dark brown
☐ Fruit: brown colour on the inner side of aril	medium brown	medium brown
☐ Fruit: ratio of abortive embryos	low	low
☐ Fruit: sweetness of flesh	high	high
☐ Fruit: juiciness	medium	medium
☒ Plant: time of beginning of flowering	very early	early
☒ Plant: time of harvest maturity	very early	early

Characteristics Additional to the Descriptor/TG

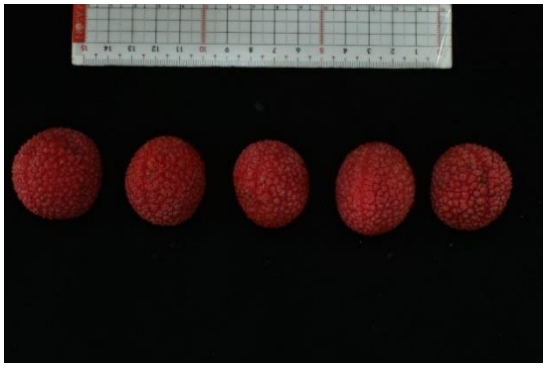
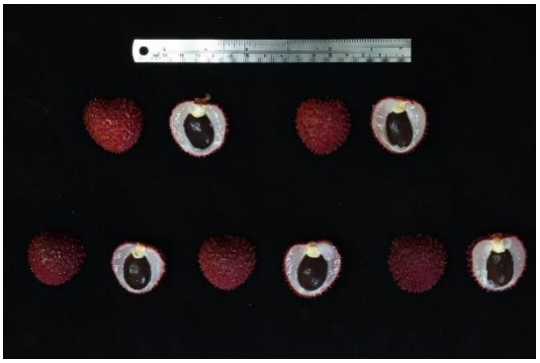
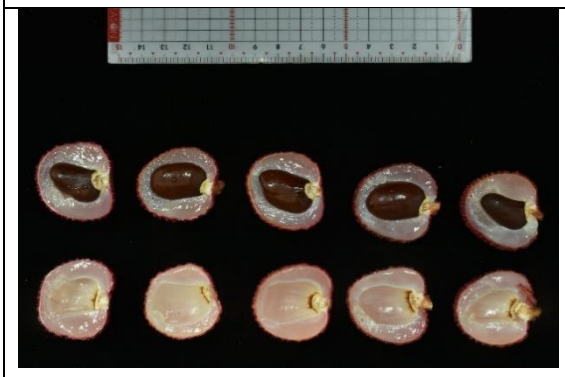
Organ/Plant Part: Context	'Tainung No. 6'	'Khom'
☒ Fruit: Acidity	high	low

☒ Fruit: Aril Fragrance	fragrant	absent

Prior Applications and Sales:

Nil

Description: Yu-Cheng Ko, Chiayi city, Taiwan

Candidate Variety 【'Tainung No.6 Colorful Lychee'】	Similar Variety 【'Khom'】
	
Fruit	Fruit
	
Seed	Seed

Lychee (*Litchi chinensis*) – 'Tainung No. 6' showing differences in fruit characteristics with comparator 'Khom'

Details of Application

Application Number	2016/384
Variety Name	'Tainung No. 7'
Genus Species	*Litchi chinensis*
Common Name	Lychee
Synonym	Early Big
Accepted Date	20-Mar-2017
Applicant	Taiwan Agricultural Research Institute, Taiwan (R.O.C.)
Agent	Spruson & Ferguson, Sydney, NSW
Qualified Person	Yu-Cheng Ko

Details of Comparative Trial

Overseas Testing Authority	Taiwan Agricultural Research Institute, Ministry of Agriculture, Taiwan (R.O.C.)
Overseas Data Reference Number	TN7
Location	Chiayi Agricultural Experiment Branch, Taiwan Agricultural Research Institute, Ministry of Agriculture, Taiwan (R.O.C.)
Descriptor	UPOV TG/LITCHI (proj. 5) 2014-02-11
Period	2021 to 2023
Conditions	'Tainung No.7 Early Big' is planted in an orchard located in Chiayi city, Taiwan (R.O.C.). Conditions are ideal for commercial production. The trees are pruned after harvest. Irrigation, fertilizer and plant protection treatments are applied as required.
Trial Design	All measurements and observations are taken according to UPOV Technical Protocol. Assessments taken from the same trees randomly selected in two independent growing cycles.
Measurements	As per UPOV TG/LITCHI (proj. 5) 2014-02-11. Fruit weight, Brix, date of flowering and yield were measured in addition to visual observations.
RHS Chart - edition	N/A

Origin and Breeding

Open Pollination: 'Early Big' is one of the seedlings of 'Sah Keng' in Taiwan.1983-1986: the seeds were germinated and grown in the nursery, then field planted by the population for the selection orchard and ultimately expressed the potential tree and fruit characteristics.1987-1988: a single seedling named '71-3-15' was selected as the present variety. Selection criteria: weights over 20 s per fruit, total soluble solids (TTS) over 16 °Brix and time of harvest maturity is different from 'Haak Yip'. 1989-2007: asexual propagation, and advanced evaluation were conducted. Asexual reproduction was accomplished by marcotting (air layering). 2008-2010: DUS test was applied. The test place was at the Chiayi Agricultural Experiment Branch, Taiwan Agricultural Research Institute (TARI), Ministry of Agriculture, Taiwan. The comparator was 'Sah Keng'. Breeder: Jer-Way Chang, a staff member of TARI, Taiwan.

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	spreading
Leaflet	shape	oblong
Fruit	shape	cordiform

Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with X

Organ/Plant Part: Context	'Tainung No. 7'	'Sah Keng'
☐ Plant: growth habit	spreading	spreading
☐ Plant: shape	circular	circular
☐ Plant: vigour	medium	medium
☐ One-year old shoot: thickness	medium	medium
☐ One-year old shoot: attitude	upwards	upwards
☐ One-year old shoot: length of internode	short	short
☐ One-year old shoot: size of lenticels	medium	medium
☐ One-year old shoot: density of lenticels	medium	medium
☐ Young shoot: colour	yellow green	yellow green
☐ Leaf: arrangement of leaflets	slightly alternate	slightly alternate
☒ Leaf: length	long	medium
☐ Petiole: colour of upper side	brown	brown
☐ Leaflet: shape	oblong	oblong
☒ Leaflet: shape in cross section	moderately concave	flat
☐ Leaflet: surface of upper side	moderately rough	moderately rough
☐ Leaflet: length of petiolule	medium	medium
☐ Leaflet blade: length	medium	medium
☒ Leaflet blade: width	medium	narrow
☒ Leaflet blade: ratio length/width	medium	high
☐ Leaflet: length of tip	long	long
☐ Leaflet: symmetry of base	symmetric or weakly asymmetric	symmetric or weakly asymmetric
☐ Leaflet: shape of base	acute	acute
☐ Leaflet: undulation of margin	absent or weak	absent or weak
☒ Leaflet: intensity of green colour	dark	medium
☐ Leaflet: glossiness of upper side	weak	weak

☐ Leaflet: conspicuousness of lateral veins	medium	medium
☒ Inflorescence: length	long	medium
☒ Inflorescence: width	medium	broad
☒ Inflorescence: ratio length/width	medium	low
☒ Inflorescence: density of branching	sparse	medium
☒ Inflorescence: density of flowers	sparse	medium
☐ Inflorescence: intensity of green colour of main axis	medium	medium
☒ Flower: depth of stigma splitting	deep	shallow
☒ Fruit: size	large	medium
☐ Fruit: shape	cordiform	cordiform
☐ Fruit: shape of shoulder at stalk end	symmetrically depressed	symmetrically depressed
☐ Fruit: depth at stalk end	medium	medium
☐ Fruit: conspicuousness of suture	weak	weak
☒ Fruit: colour of skin	yellow and red	medium red
☒ Fruit: surface	moderate protuberances	smooth or slight protuberances
☐ Fruit: thickness of skin	medium	medium
☐ Fruit: colour of flesh	whitish	whitish
☒ Fruit: weight of flesh compared to weight of fruit	low	medium
☐ Seed: shape	elliptic	elliptic
☐ Seed: colour	medium brown	medium brown
☐ Fruit: brown colour on the inner side of aril	medium brown	medium brown
☐ Fruit: ratio of abortive embryos	low	low
☐ Fruit: sweetness of flesh	medium	medium
☐ Fruit: juiciness	medium	medium
☒ Plant: time of beginning of flowering	early	medium
☒ Plant: time of harvest maturity	early	medium

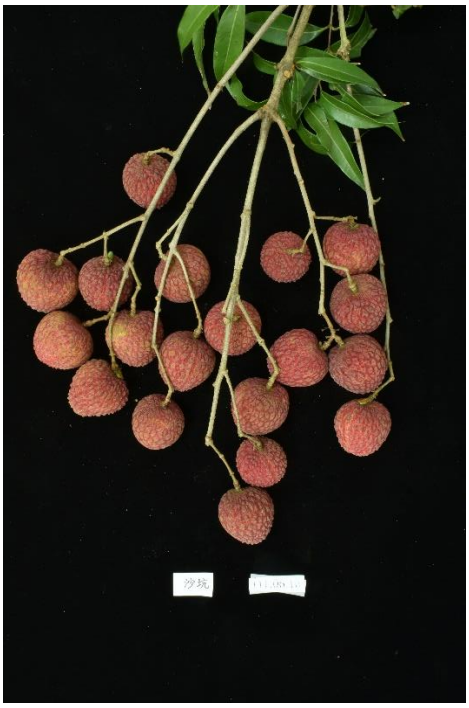
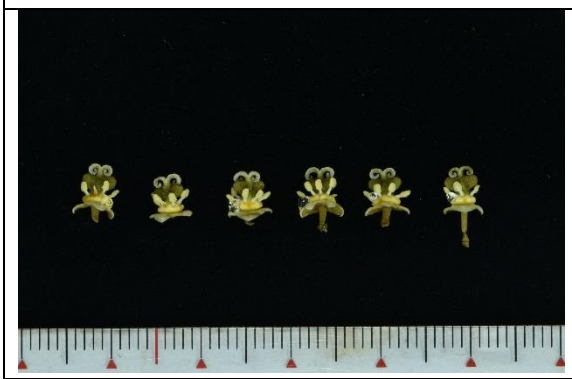
Statistical Table

Organ/Plant Part: Context	'Tainung No. 7'	'Sah Keng'
☒ Inflorescence: length/width (cm)		
Mean	3.50	4.70
Std. Deviation	0.20	0.80
LSD/sig	P<0.01	P≤0.01
☒ Fruit: weight (gm)		
Mean	36.30	26.70
Std. Deviation	5.40	3.10
LSD/sig	P<0.01	P≤0.01

Prior Applications and Sales:

Nill

Description: Yu-Cheng Ko, Chiayi city, Taiwan

Candidate Variety 【'Tainung No.7 Early Big'】	Similar Variety 【'Sah Keng'】
	
Fruit	Fruit
	
Seed	Seed
	
Flower	Flower

Lychee (*Litchi chinensis*) – 'Tainung No. 7' showing differences in fruit and floral characteristics with comparator 'Sah Keng'

Details of Application

Application Number	2017/016
Variety Name	'00C018'
Genus Species	*Citrus reticulata*
Common Name	Mandarin
Synonym	02C101
Accepted Date	13-Feb-2017
Applicant	State of Queensland, Department of Primary Industries, Ecosciences Precinct 3.C.West, 41 Boggo Road, Dutton Park, QLD 4102 Australia.
Qualified Person	Malcolm W. Smith

Details of Comparative Trial

Location	Bundaberg Research Station, Dept of Primary Industries, Queensland
Descriptor	TG/201/1 Citrus L. Group 1 Mandarins
Period	November 2019 to September 2024
Conditions	The Comparative Trial was propagated via budding onto 'US812' rootstock on the 12th January 2019, as soon as disease-free budwood of the necessary comparator variety 'EmpressA' became available from Auscitrus via the national budwood scheme. The availability of this budwood was delayed because of the long process of shoot-tip-grafting and pathogen testing but was essential to ensure disease was not introduced to the research site. Nursery trees were field planted on the 19th November 2019 with 1.5m between trees and 4m between rows. Fruit production first occurred in the 2021 season. Fruit and tree traits were assessed in both 2022 and 2023 and pollen traits again confirmed in September 2024.
Trial Design	Randomised Complete Block design with 9 Treatments and 5 Replicates (Blocks). Replicates consisted of single trees. The 5 Blocks occurred down a single row of trees with guard rows on both sides and guard trees at both ends of the trial row.
Measurements	All measurements described in the Technical Guidelines were made. Data was collected from all 5 replicates of each variety in the Comparator Trial
RHS Chart - edition	Sixth Edition, 2019 reprint

Origin and Breeding

Controlled pollination: Discovered as a seedling in June 2000 amongst a populations of 3,135 hybrids between 'Ellendale' (female parent) and ‘Murcott’ (male parent) that had been field planted in 1994 from 1992 pollinations. All pollination, growing-out, selection and propagation activities were

conducted at Bundaberg Research Station, Queensland. Daughter trees from the original seedling were propagated via budding in September 2000 and have been assessed each fruiting season. The variety has been subject to a range of disease screening tests and used extensively as a parent for breeding new high-quality mandarins. Breeder: Malcolm W. Smith, State of Queensland, Department of Primary Industries, Bundaberg Research Station, 49 Ashfield Road, Bundaberg, QLD 4670 Australia.

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	polyembryony	present
Parentage	full siblings	Ellendale x Murcott

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'LS00C018'	PBR 2017/017. Low seeded mutation of '00C018'.
'02C063'	PBR2017/020
'EmpressA'	Same parentage

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'01C011' (PBR 2017/019)	seed	polyembryony	present	absent	
'LS01C011' PBR2017/018	seed	polyembryony	present	absent	
'Royal Honey Murcott'	seed	polyembryony	present	absent	

Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with X

Organ/Plant Part: Context	'00C018'	'02C063'	'EmpressA'	'LS00C018'
☐ Ploidy:	diploid	diploid	diploid	diploid
☒ *Tree: growth habit	upright	upright	spreading	upright
☐ Tree: density of spines	absent or sparse	absent or sparse	absent or sparse	absent or sparse
☐ Tree: length of spines	very short	very short	very short	very short
☐ Leaf blade: length	medium	medium	medium	medium
☐ Leaf blade: width	medium	medium	medium	medium

☐ Leaf blade: ratio length/width	medium	medium	medium	medium
☐ Leaf blade: shape in cross section	intermediate	intermediate	intermediate	intermediate
☐ Leaf blade: twisting	absent or weak	absent or weak	absent or weak	absent or weak
☐ Leaf blade: blistering	absent or weak	absent or weak	absent or weak	absent or weak
☐ Leaf blade: green colour	medium to dark	medium to dark	medium to dark	medium to dark
☐ Leaf blade: undulation of margin	absent or weak	absent or weak	absent or weak	absent or weak
☐ Leaf blade: incisions of margin	absent	absent	absent	absent
☐ Leaf blade: shape of apex	obtuse	obtuse	obtuse	obtuse
☐ Leaf blade: emargination at tip	present	present	present	present
☐ Petiole: length	medium	medium	medium	medium
☐ Petiole: presence of wings	present	present	present	present
☐ Petiole: width of wings (varieties with petiole wings present only)	narrow	narrow	narrow	narrow
☐ Flower: diameter of calyx	medium	medium	medium	medium
☐ Flower: length of petal	medium	medium	medium	medium
☐ Flower: width of petal	medium	medium	medium	medium
☐ Flower: ratio length/width of petal	medium	medium	medium	medium
☐ Flower: length of stamens	medium	medium	medium	medium
☐ Anther: colour	medium yellow	medium yellow	medium yellow	medium yellow
☐ Anther: viable pollen	present	present	present	present
☐ Style: length	medium	medium	medium	medium
☐ Infructescence: clustering of fruits	absent	absent	absent	absent
☐ *Fruit: length	medium	medium	medium	medium
☐ *Fruit: diameter	medium	medium	medium	medium
☒ *Fruit: ratio length/diameter	medium	small	large	medium
☐ *Fruit: position of broadest part	at middle	at middle	at middle	at middle
☐ Fruit: shape in transverse section	circular	circular	circular	circular
☐ *Fruit: general shape of proximal part	flattened	flattened	flattened	flattened
☐ *Fruit: presence of neck	absent	absent	absent	absent
☐ Fruit: presence of constriction at stalk end	absent	absent	absent	absent
☐ Fruit: expression of constriction at stalk end	very weak	very weak	very weak	very weak
☐ Fruit: number of radial grooves at stalk end	absent or few	absent or few	absent or few	absent or few
☐ Fruit: length of radial grooves at stalk end	very short	very short	very short	very short

☐ Fruit: depression at stalk attachment (necked varieties only)	absent or shallow	absent or shallow	absent or shallow	absent or shallow
☐ Fruit: presence of collar	absent	absent	absent	absent
☐ Fruit: height of collar	very low	very low	very low	very low
☐ Fruit: diameter of collar	very small	very small	very small	very small
☐ Fruit: abscission layer between floral disc and fruit	absent or weakly developed	absent or weakly developed	absent or weakly developed	absent or weakly developed
☐ *Fruit: general shape of distal part	flattened	flattened	flattened	flattened
☐ *Fruit: presence of depression at distal end	absent	absent	absent	absent
☐ Fruit: depth of depression at distal end	very shallow	very shallow	very shallow	very shallow
☐ Fruit: diameter of depression at distal end	very small	very small	very small	very small
☐ *Fruit: presence of areola	absent	absent	absent	absent
☐ Fruit: type of areola	smooth	smooth	smooth	smooth
☐ Fruit: diameter of areola	very small	very small	very small	very small
☐ Fruit: diameter of stylar scar	very small	very small	very small	very small
☐ Fruit: persistence of style	none	none	none	none
☐ Fruit: presence of navel opening	absent	absent	absent	absent
☐ Fruit: diameter of navel opening	very small	very small	very small	very small
☐ Fruit: presence of radial grooves at distal end	absent	absent	absent	absent
☐ Fruit: expression of radial grooves at distal end	very weak	very weak	very weak	very weak
☐ *Fruit surface: predominant colours	red	red	red	red
☐ *Fruit surface: glossiness	very strong	very strong	very strong	very strong
☐ Fruit surface: roughness	very smooth	very smooth	very smooth	very smooth
☐ Fruit surface: size of oil glands	all more or less the same size	all more or less the same size	all more or less the same size	all more or less the same size
☐ Fruit surface: size of larger oil glands	small	small	small	small
☐ Fruit surface: conspicuousness of larger oil glands	very weak to weak	very weak to weak	very weak to weak	very weak to weak
☐ Fruit surface: presence of pitting and pebbling in oil glands	pitting and pebbling absent	pitting and pebbling absent	pitting and pebbling absent	pitting and pebbling absent
☐ *Fruit rind: thickness	thin to medium	thin to medium	thin to medium	thin to medium
☒ *Fruit rind: adherence to flesh	medium	weak	medium	medium
☐ Fruit rind: strength	strong	strong	strong	strong
☐ Fruit rind: oiliness	dry to medium	dry to medium	dry to medium	dry to medium

☒ Fruit rind: conspicuousness of oil glands on inner surface	strongly conspicuous	absent or weakly conspicuous	absent or weakly conspicuous	absent or weakly conspicuous
☐ Fruit: colour of albedo	light yellow	light yellow	light yellow	light yellow
☐ Fruit: density of albedo	medium	medium	medium	medium
☐ *Fruit: amount of albedo adhering to flesh	very small to small	very small to small	very small to small	very small to small
☐ Fruit: presence of albedo strands	absent	absent	absent	absent
☐ Fruit: amount of albedo strands	very small	very small	very small	very small
☐ *Fruit: main colour of flesh	red	red	red	red
☐ Fruit: filling of core	dense	sparse	medium	very dense
☐ Fruit: diameter of core	small to medium	small to medium	small to medium	small to medium
☐ Fruit: presence of rudimentary segments	absent or weak	absent or weak	absent or weak	absent or weak
☐ Fruit: number of well developed segments	medium	medium	medium	medium
☐ Fruit: coherence of adjacent segment walls	medium	medium	medium	medium
☐ Fruit: strength of segment walls	medium to strong	medium to strong	medium to strong	medium to strong
☐ Fruit: length of juice vesicles	medium	medium	medium	medium
☐ Fruit: thickness of juice vesicles	medium	medium	medium	medium
☐ Fruit: conspicuousness of juice vesicle walls	medium	medium	medium	medium
☐ Fruit: coherence of juice vesicles	medium	medium	medium	medium
☐ *Fruit: presence of navel (viewed internally)	absent or very rare	absent or very rare	absent or very rare	absent or very rare
☐ Fruit: size of navel (viewed internally)	very small	very small	very small	very small
☐ Fruit: juiciness	high	high	high	high
☐ *Fruit juice: total soluble solids	high to very high	high to very high	high to very high	high to very high
☐ Fruit juice: acidity	medium to high	medium to high	medium to high	medium to high
☐ Fruit: strength of fibre	strong	strong	strong	strong
☒ Fruit: number of seeds (controlled manual self-pollination)	many	many	few	absent or very few
☒ Fruit: number of seeds (open pollination)	many	many	few	absent or very few
☐ *Seed: polyembryony	present	present	present	present
☐ Seed: length	medium	medium	medium	medium
☐ Seed: width	medium	medium	medium	medium

☐ Seed: surface	wrinkled	wrinkled	wrinkled	wrinkled
☐ Seed: prominence of wrinkles (varieties with seed surface wrinkled only)	very weak	very weak	very weak	very weak
☐ Seed: external colour	whitish	whitish	whitish	whitish
☐ Seed: colour of inner seed coat	light brown	light brown	light brown	light brown
☐ Seed: colour of cotyledons (varieties with seed: polyembryony present only)	cream	cream	cream	cream
☐ *Time of: maturity of fruit for consumption	medium	medium	medium	medium
☐ *Fruit: parthenocarpy	present	present	present	present
☐ Plant: self-incompatibility	absent	absent	absent	absent

Characteristics Additional to the Descriptor/TG

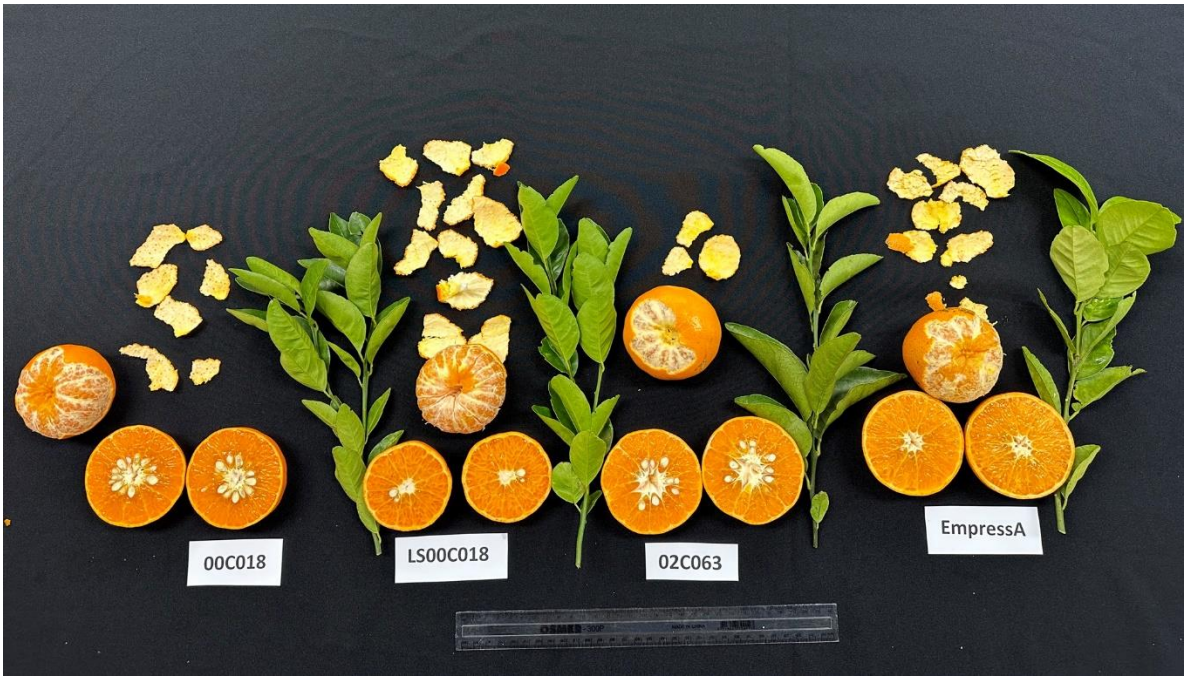
Organ/Plant Part: Context	**'00C018'**	**'02C063'**	**'EmpressA'**	**'LS00C018'**
☒ Fruit: Alternaria disease	susceptible	susceptible	resistant	susceptible

Statistical Table

Organ/Plant Part: Context	**'00C018'**	**'02C063'**	**'EmpressA'**	**'LS00C018'**
☒ Fruit: number of seeds (seeds per fruit)				
Mean	15.77	17.02	3.45	0.17
Std. Deviation	5.35	5.32	2.10	0.41
Lsd/sig	1.88	ns	P≤0.01	P≤0.01

Prior Applications and Sales: **Nil**

Description: Malcolm W. Smith, Bundaberg QLD 4670



Mandarin (*Citrus reticulata*) ‘00C018 ‘shows the differences in fruit: ratio length/diameter and fruit rind: conspicuousness of oil glands on inner surface with its comparators ‘LS00C018’, ‘02C063’ and ‘EmpressA’.

Details of Application

Application Number	2017/017
Variety Name	'LS00C018'
Genus Species	*Citrus reticulata*
Common Name	Mandarin
Accepted Date	13-Feb-2017
Applicant	State of Queensland, Department of Primary Industries, Ecosciences Precinct 3.C.West, 41 Boggo Road, Dutton Park, QLD 4102 Australia.
Qualified Person	Malcolm W. Smith

Details of Comparative Trial

Location	Bundaberg Research Station, Dept of Primary Industries, Queensland
Descriptor	TG/201/1 Citrus L. Group 1 Mandarins
Period	November 2019 to September 2024
Conditions	The Comparative Trial was propagated via budding onto 'US812' rootstock on the 12th January 2019, as soon as disease-free budwood of the necessary comparator variety 'EmpressA' became available from Auscitrus via the national budwood scheme. The availability of this budwood was delayed because of the long process of shoot-tip-grafting and pathogen testing but was essential to ensure disease was not introduced to the research site. Nursery trees were field planted on the 19th November 2019 with 1.5m between trees and 4m between rows. Fruit production first occurred in the 2021 season. Fruit and tree traits were assessed in both 2022 and 2023 and pollen traits again confirmed in September 2024.
Trial Design	Randomised Complete Block design with 9 Treatments and 5 Replicates (Blocks). Replicates consisted of single trees. The 5 Blocks occurred down a single row of trees with guard rows on both sides and guard trees at both ends of the trial row.
Measurements	All measurements described in the Technical Guidelines were made. Data was collected from all 5 replicates of each variety in the Comparator Trial
RHS Chart - edition	Sixth Edition, 2019 reprint

Origin and Breeding

Induced mutation or sport: Discovered as a low-seeded limb sport in February 2015 on trees derived from irradiated buds of '00C018' (Application 2017/016). Budwood of ‘00C018’ was subject to mutation breeding techniques using a cobalt 60 gamma cell in January and April 2008 and January and May 2010 and buds subsequently worked onto conventional rootstocks (mostly ‘Troyer’). A total of 2,697 irradiated buds from 10 different varieties were budded. Buds that survived and developed into trees of a suitable size, were field planted at two sites in March and April 2009 and a third site in March 2011. A total of 164 trees derived from mutation treated buds of ‘00C018’ were planted and assessed for seediness, fruit size and productivity. The bud that resulted in ‘LS00C018’ had received a dose of 40 Gy. Budwood was collected from the tree limb of ‘LS00C018’ and used to produce 217 daughter

trees which were subsequently planted at four testing sites in 2016. Trees at these sites have been assessed each fruiting season. Two more generation of budding have occurred, and traits remain consistent. Breeder: Malcolm W. Smith, State of Queensland, Department of Primary Industries, Bundaberg Research Station, 49 Ashfield Road, Bundaberg, QLD 4670 Australia.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Seed	polyembryony	present
Fruit	presence of neck	absent
Parentage	full siblings	Ellendale x Murcott

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'00C018'	PBR2017/016. Seed progenitor of 'LS00C018'
'LS02C063'	PBR2017/021'
'EmpressA'	

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'LS01C011'	seed	polyembryony	present	absent	(PBR2017/018)

Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with X

Organ/Plant Part: Context	'LS00C018'	'00C018'	'EmpressA'	'LS02C063'
☐ Ploidy:	diploid	diploid	diploid	diploid
☐ *Tree: growth habit	upright	upright	spreading	upright
☐ Tree: density of spines	absent or sparse	absent or sparse	absent or sparse	absent or sparse
☐ Tree: length of spines	short	short	short	short
☐ Leaf blade: length	medium	medium	medium	medium
☐ Leaf blade: width	medium	medium	medium	medium
☐ Leaf blade: ratio length/width	medium	medium	medium	medium
☐ Leaf blade: shape in cross section	intermediate	intermediate	intermediate	intermediate
☐ Leaf blade: twisting	absent or weak	absent or weak	absent or weak	absent or weak
☐ Leaf blade: blistering	absent or weak	absent or weak	absent or weak	absent or weak
☐ Leaf blade: green colour	medium to dark	medium to dark	medium to dark	medium to dark

☐ Leaf blade: undulation of margin	absent or weak	absent or weak	absent or weak	absent or weak
☐ Leaf blade: incisions of margin	absent	absent	absent	absent
☐ Leaf blade: shape of apex	obtuse	obtuse	obtuse	obtuse
☐ Leaf blade: emargination at tip	present	present	present	present
☐ Petiole: length	medium	medium	medium	medium
☐ Petiole: presence of wings	absent	absent	absent	absent
☐ Petiole: width of wings (varieties with petiole wings present only)	narrow	narrow	narrow	narrow
☐ Flower: diameter of calyx	medium	medium	medium	medium
☐ Flower: length of petal	medium	medium	medium	medium
☐ Flower: width of petal	medium	medium	medium	medium
☐ Flower: ratio length/width of petal	medium	medium	medium	medium
☐ Flower: length of stamens	medium	medium	medium	medium
☐ Anther: colour	medium yellow	medium yellow	medium yellow	medium yellow
☐ Anther: viable pollen	present	present	present	present
☐ Style: length	medium	medium	medium	medium
☐ Infructescence: clustering of fruits	absent	absent	absent	absent
☐ *Fruit: length	medium	medium	medium	medium
☐ *Fruit: diameter	medium	medium	medium	medium
☒ *Fruit: ratio length/diameter	medium	medium	large	small
☐ *Fruit: position of broadest part	at middle	at middle	at middle	at middle
☐ Fruit: shape in transverse section	circular	circular	circular	circular
☐ *Fruit: general shape of proximal part	flattened	flattened	flattened	flattened
☐ *Fruit: presence of neck	absent	absent	absent	absent
☐ *Fruit: presence of depression at stalk end (varieties without fruit neck only)	absent	absent	absent	absent
☐ Fruit: depth of depression at stalk end (varieties without fruit neck only)	shallow	shallow	shallow	shallow
☐ Fruit: presence of constriction at stalk end	absent	absent	absent	absent
☐ Fruit: expression of constriction at stalk end	weak	weak	weak	weak
☐ Fruit: number of radial grooves at stalk end	absent or few	absent or few	absent or few	absent or few
☐ Fruit: length of radial grooves at stalk end	short	short	short	short
☐ Fruit: depression at stalk attachment (necked varieties only)	absent or shallow	absent or shallow	absent or shallow	absent or shallow
☐ Fruit: presence of collar	absent	absent	absent	absent

☐ Fruit: height of collar	low	low	low	low
☐ Fruit: diameter of collar	small	small	small	small
☐ Fruit: abscission layer between floral disc and fruit	absent or weakly developed	absent or weakly developed	absent or weakly developed	absent or weakly developed
☐ *Fruit: general shape of distal part	flattened	flattened	flattened	flattened
☐ *Fruit: presence of depression at distal end	absent	absent	absent	absent
☐ Fruit: depth of depression at distal end	shallow	shallow	shallow	shallow
☐ Fruit: diameter of depression at distal end	small	small	small	small
☐ *Fruit: presence of areola	absent	absent	absent	absent
☐ Fruit: type of areola	smooth	smooth	smooth	smooth
☐ Fruit: diameter of areola	small	small	small	small
☐ Fruit: diameter of stylar scar	small	small	small	small
☐ Fruit: persistence of style	none	none	none	none
☐ Fruit: presence of navel opening	absent	absent	absent	absent
☐ Fruit: diameter of navel opening	very small	very small	very small	very small
☐ Fruit: presence of radial grooves at distal end	absent	absent	absent	absent
☐ Fruit: expression of radial grooves at distal end	weak	weak	weak	weak
☐ *Fruit surface: predominant colours	orange red	orange red	orange red	orange red
☐ *Fruit surface: glossiness	very strong	very strong	very strong	very strong
☐ Fruit surface: roughness	very smooth	very smooth	very smooth	very smooth
☐ Fruit surface: size of oil glands	all more or less the same size	all more or less the same size	all more or less the same size	all more or less the same size
☐ Fruit surface: size of larger oil glands	small	small	small	small
☐ Fruit surface: conspicuousness of larger oil glands	very weak	very weak	very weak	very weak
☐ Fruit surface: presence of pitting and pebbling in oil glands	pitting and pebbling absent	pitting and pebbling absent	pitting and pebbling absent	pitting and pebbling absent
☐ *Fruit rind: thickness	thin	thin	thin	thin
☒ *Fruit rind: adherence to flesh	medium	medium	medium	weak
☐ Fruit rind: strength	medium	medium	medium	medium
☐ Fruit rind: oiliness	dry to medium	dry to medium	dry to medium	dry to medium
☒ Fruit rind: conspicuousness of oil glands on inner surface	absent or weakly conspicuous	strongly conspicuous	absent or weakly conspicuous	absent or weakly conspicuous
☐ Fruit: colour of albedo	light yellow	light yellow	light yellow	light yellow

☐ Fruit: density of albedo	medium	medium	medium	medium
☐ *Fruit: amount of albedo adhering to flesh	very small to small	very small to small	very small to small	very small to small
☐ Fruit: presence of albedo strands	absent	absent	absent	absent
☐ Fruit: amount of albedo strands	small	small	small	small
☐ *Fruit: main colour of flesh	red	red	red	red
☒ Fruit: filling of core	very dense	very dense	medium	sparse
☐ Fruit: diameter of core	small	small	small	small
☐ Fruit: presence of rudimentary segments	absent or weak	absent or weak	absent or weak	absent or weak
☐ Fruit: number of well developed segments	medium	medium	medium	medium
☐ Fruit: coherence of adjacent segment walls	medium	medium	medium	medium
☐ Fruit: strength of segment walls	medium	medium	medium	medium
☐ Fruit: length of juice vesicles	medium	medium	medium	medium
☐ Fruit: thickness of juice vesicles	medium	medium	medium	medium
☐ Fruit: conspicuousness of juice vesicle walls	medium	medium	medium	medium
☐ Fruit: coherence of juice vesicles	medium	medium	medium	medium
☐ *Fruit: presence of navel (viewed internally)	absent or very rare	absent or very rare	absent or very rare	absent or very rare
☐ Fruit: size of navel (viewed internally)	very small	very small	very small	very small
☐ Fruit: juiciness	high	high	high	high
☐ *Fruit juice: total soluble solids	high	high	high	high
☐ Fruit juice: acidity	medium	medium	medium	medium
☐ Fruit: strength of fibre	weak	weak	weak	weak
☒ Fruit: number of seeds (controlled manual self-pollination)	absent or very few	many	few	few
☒ Fruit: number of seeds (open pollination)	absent or very few	many	few	few
☐ *Seed: polyembryony	present	present	present	present
☐ Seed: length	medium	medium	medium	medium
☐ Seed: width	medium	medium	medium	medium
☐ Seed: surface	wrinkled	wrinkled	wrinkled	wrinkled
☐ Seed: prominence of wrinkles (varieties with seed surface wrinkled only)	weak	weak	weak	weak
☐ Seed: external colour	whitish	whitish	whitish	whitish
☐ Seed: colour of inner seed coat	light brown	light brown	light brown	light brown
☐ Seed: colour of cotyledons (varieties with seed: polyembryony present only)	cream	cream	cream	cream

☐ *Time of: maturity of fruit for consumption	medium	medium	medium	medium
☐ *Fruit: parthenocarpy	present	present	present	present
☐ Plant: self-incompatibility	absent	absent	absent	absent

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	**'LS00C018'**	**'00C018'**	**'EmpressA'**	**'LS02C063'**
☒ Fruit: Alternaria disease	Susceptible	Susceptible	Resistant	Susceptible

Statistical Table

Organ/Plant Part: Context	**'LS00C018'**	**'00C018'**	**'EmpressA'**	**'LS02C063'**
☒ Fruit: number of seeds (seeds per fruit)				
Mean	0.17	15.77	3.45	3.09
Std. Deviation	0.41	5.35	2.10	1.58
Lsd/sig	2.58	P≤0.01	P≤0.01	P≤0.01

Prior Applications and Sales:

Nil

Description: Malcolm W. Smith, Bundaberg QLD 4670

Mandarin (*Citrus reticulata*) 'LS00C018' shows the differences in fruit: filling of core and fruit: number of seeds with its comparators '00C018', 'LS02C063' and 'EmpressA'.

Details of Application

Application Number	2017/018
Variety Name	'LS01C011'
Genus Species	*Citrus reticulata*
Common Name	Mandarin
Accepted Date	13-Feb-2017
Applicant	State of Queensland, Department of Primary Industries, Ecosciences Precinct 3.C.West, 41 Boggo Road, Dutton Park, QLD 4102 Australia.
Qualified Person	Malcolm W. Smith

Details of Comparative Trial

Location	Bundaberg Research Station, Dept of Primary Industries, Queensland
Descriptor	TG/201/1 Citrus L. Group 1 Mandarins
Period	November 2019 to September 2024
Conditions	The Comparative Trial was propagated via budding onto 'US812' rootstock on the 12th January 2019, as soon as disease-free budwood of the necessary comparator variety 'EmpressA' became available from Auscitrus via the national budwood scheme. The availability of this budwood was delayed because of the long process of shoot-tip-grafting and pathogen testing but was essential to ensure disease was not introduced to the research site. Nursery trees were field planted on the 19th November 2019 with 1.5m between trees and 4m between rows. Fruit production first occurred in the 2021 season. Fruit and tree traits were assessed in both 2022 and 2023 and pollen traits again confirmed in September 2024.
Trial Design	Randomised Complete Block design with 9 Treatments and 5 Replicates (Blocks). Replicates consisted of single trees. The 5 Blocks occurred down a single row of trees with guard rows on both sides and guard trees at both ends of the trial row.
Measurements	All measurements described in the Technical Guidelines were made. Data was collected from all 5 replicates of each variety in the Comparator Trial
RHS Chart - edition	Sixth Edition, 2019 reprint

Origin and Breeding

Induced mutation or sport: Discovered as a low-seeded selection in July 2019 on trees derived from irradiated buds of '01C011' (Application 2017/019). Budwood of ‘01C011’ was subject to mutation breeding techniques using a cobalt 60 gamma cell in January and April 2008 and buds subsequently worked onto conventional rootstocks (mostly ‘Troyer’). Buds that survived the mutation treatment and developed into trees of a suitable size, were field planted at two sites in March and April 2009 (113 trees). A promising low-seeded selection was made from these trees in May 2011 and budwood from it was subjected to a second round of irradiation treatment in November 2013. Buds that survived the second round of irradiation were allowed to develop into shoots from which buds were then collected to produce multiple daughter trees from each of these 40 shoots. The 667 resulting

daughter trees were field planted at two sites in November 2016. The particular selection ‘LS01C011’ was represented in these field trials by 54 daughter trees, all showing consistent performance. It resulted from a treatment of 30 Gy in 2008 followed by 60 Gy in 2013. It is the end-result of diploid hybridisation between ‘Ellendale’ (female parent) and ‘Murcott’ (male parent) mandarins, followed by two rounds of mutation treatment. Prior Applications and Sales: United States Patent PP34166 August 2021 ‘11C017R’. Breeder: Malcolm W. Smith, State of Queensland, Department of Primary Industries, Bundaberg Research Station, 49 Ashfield Road, Bundaberg, QLD 4670 Australia.

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	presence of neck	absent
Seed	polyembryony	absent

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'01C011’	PBR2017/019. Progenitor of 'LS01C011'
'Royal Honey Murcott'	Similar fruit appearance, maturity time and seediness.

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'EmpressA'	seed polyembryony	absent	present	
'02C063’	seed polyembryony	absent	present	PBR2017/020
'LS02C063’	seed polyembryony	absent	present	PBR2017/021
'00C018’	seed polyembryony	absent	present	PBR2017/016
'LS00C018’	seed polyembryony	absent	present	PBR2017/017

Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with X

Organ/Plant Part: Context	'LS01C011'	'01C011’	'Royal Honey Murcott'
☐ Ploidy:	diploid	diploid	diploid
☒ *Tree: growth habit	spreading	spreading	upright
☐ Tree: density of spines	absent or sparse	absent or sparse	absent or sparse
☐ Tree: length of spines	medium	medium	medium
☐ Leaf blade: length	medium	medium	medium
☐ Leaf blade: width	medium	medium	medium
☐ Leaf blade: ratio length/width	medium	medium	medium
☐ Leaf blade: shape in cross section	intermediate	intermediate	intermediate
☐ Leaf blade: twisting	absent or weak	absent or weak	absent or weak

☐ Leaf blade: blistering	absent or weak	absent or weak	absent or weak
☐ Leaf blade: green colour	medium to dark	medium to dark	medium to dark
☐ Leaf blade: undulation of margin	absent or weak	absent or weak	absent or weak
☐ Leaf blade: incisions of margin	absent	absent	absent
☐ Leaf blade: shape of apex	obtuse	obtuse	obtuse
☐ Leaf blade: emargination at tip	present	present	present
☐ Petiole: length	medium	medium	medium
☒ Petiole: presence of wings	present	present	absent
☒ Petiole: width of wings (varieties with petiole wings present only)	narrow	narrow	very narrow
☐ Flower: diameter of calyx	medium	medium	medium
☐ Flower: length of petal	medium	medium	medium
☐ Flower: width of petal	medium	medium	medium
☐ Flower: ratio length/width of petal	medium	medium	medium
☐ Flower: length of stamens	medium	medium	medium
☐ Anther: colour	medium yellow	medium yellow	medium yellow
☐ Anther: viable pollen	present	present	present
☐ Style: length	medium	medium	medium
☐ Infructescence: clustering of fruits	absent	absent	absent
☐ *Fruit: length	medium	medium	medium
☐ *Fruit: diameter	medium	medium	medium
☐ *Fruit: ratio length/diameter	medium	medium	medium
☐ *Fruit: position of broadest part	at middle	at middle	at middle
☐ Fruit: shape in transverse section	circular	circular	circular
☐ *Fruit: general shape of proximal part	flattened	flattened	flattened
☐ *Fruit: presence of neck	absent	absent	absent
☐ Fruit: presence of constriction at stalk end	absent	absent	absent
☐ Fruit: expression of constriction at stalk end	weak	weak	weak
☐ Fruit: number of radial grooves at stalk end	absent or few	absent or few	absent or few
☐ Fruit: length of radial grooves at stalk end	very short	very short	very short
☐ Fruit: depression at stalk attachment (necked varieties only)	absent or shallow	absent or shallow	absent or shallow
☐ Fruit: presence of collar	absent	absent	absent
☐ Fruit: height of collar	very low	very low	very low
☐ Fruit: diameter of collar	small	small	small
☐ Fruit: abscission layer between floral disc and fruit	absent or weakly developed	absent or weakly developed	absent or weakly developed
☐ *Fruit: general shape of distal part	flattened	flattened	flattened

☐ *Fruit: presence of depression at distal end	absent	absent	absent
☐ Fruit: depth of depression at distal end	very shallow	very shallow	very shallow
☐ Fruit: diameter of depression at distal end	very small	very small	very small
☐ *Fruit: presence of areola	absent	absent	absent
☐ Fruit: type of areola	smooth	smooth	smooth
☐ Fruit: diameter of areola	very small	very small	very small
☐ Fruit: diameter of stylar scar	very small	very small	very small
☐ Fruit: persistence of style	none	none	none
☐ Fruit: presence of navel opening	absent	absent	absent
☐ Fruit: diameter of navel opening	very small	very small	very small
☐ Fruit: presence of radial grooves at distal end	absent	absent	absent
☐ Fruit: expression of radial grooves at distal end	very weak	very weak	very weak
☐ *Fruit surface: predominant colours	medium orange	medium orange	medium orange
☐ *Fruit surface: glossiness	medium to strong	medium to strong	medium to strong
☐ Fruit surface: roughness	smooth	smooth	smooth
☐ Fruit surface: size of oil glands	all more or less the same size	all more or less the same size	all more or less the same size
☐ Fruit surface: size of larger oil glands	very small to small	very small to small	very small to small
☐ Fruit surface: conspicuousness of larger oil glands	weak	weak	weak
☐ Fruit surface: presence of pitting and pebbling in oil glands	pitting and pebbling absent	pitting and pebbling absent	pitting and pebbling absent
☐ *Fruit rind: thickness	medium	medium	medium
☐ *Fruit rind: adherence to flesh	weak	weak	weak
☐ Fruit rind: strength	medium	medium	medium
☐ Fruit rind: oiliness	dry	dry	dry
☐ Fruit rind: conspicuousness of oil glands on inner surface	absent or weakly conspicuous	absent or weakly conspicuous	absent or weakly conspicuous
☐ Fruit: colour of albedo	light yellow	light yellow	light yellow
☐ Fruit: density of albedo	medium	medium	medium
☐ *Fruit: amount of albedo adhering to flesh	small to medium	small to medium	small to medium
☐ Fruit: presence of albedo strands	present	present	present
☐ Fruit: amount of albedo strands	small to medium	small to medium	small to medium
☐ *Fruit: main colour of flesh	medium orange	medium orange	medium orange
☒ Fruit: filling of core	absent or very sparse	absent or very sparse	medium to dense
☐ Fruit: diameter of core	medium	medium	medium

☐ Fruit: presence of rudimentary segments	absent or weak	absent or weak	absent or weak
☐ Fruit: number of well developed segments	medium	medium	medium
☐ Fruit: coherence of adjacent segment walls	weak	weak	weak
☐ Fruit: strength of segment walls	very weak to weak	very weak to weak	very weak to weak
☐ Fruit: length of juice vesicles	medium	medium	medium
☐ Fruit: thickness of juice vesicles	medium	medium	medium
☐ Fruit: conspicuousness of juice vesicle walls	medium	medium	medium
☐ Fruit: coherence of juice vesicles	medium	medium	medium
☐ *Fruit: presence of navel (viewed internally)	absent or very rare	absent or very rare	absent or very rare
☐ Fruit: size of navel (viewed internally)	very small	very small	very small
☐ Fruit: juiciness	high	high	high
☐ *Fruit juice: total soluble solids	high	high	high
☐ Fruit juice: acidity	low to medium	low to medium	low to medium
☐ Fruit: strength of fibre	weak	weak	weak
☒ Fruit: number of seeds (controlled manual self-pollination)	few	many to very many	few
☒ Fruit: number of seeds (open pollination)	few	many to very many	few
☐ *Seed: polyembryony	absent	absent	absent
☐ Seed: length	medium	medium	medium
☐ Seed: width	medium	medium	medium
☐ Seed: surface	wrinkled	wrinkled	wrinkled
☐ Seed: prominence of wrinkles (varieties with seed surface wrinkled only)	very weak	very weak	very weak
☐ Seed: external colour	whitish	whitish	whitish
☐ Seed: colour of inner seed coat	light brown	light brown	light brown
☐ Seed: colour of cotyledons (varieties with seed: polyembryony present only)	cream	cream	cream
☐ *Time of: maturity of fruit for consumption	early to medium	early to medium	early to medium
☐ *Fruit: parthenocarpy	present	present	present
☐ Plant: self-incompatibility	absent	absent	absent

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'LS01C011'	'01C011'	'Royal Honey Murcott'
☐ Fruit: Alternaria disease	Susceptible	Susceptible	Susceptible

Statistical Table

Organ/Plant Part: Context	'LS01C011'	'01C011'	'Royal Honey Murcott'
☒ Fruit: number of seeds (seeds per fruit)			
Mean	5.04	22.63	3.07
Std. Deviation	1.69	4.16	1.44
Lsd/sig	1.46	P≤0.01	P≤0.01

Prior Applications and Sales: Nil

Description: Malcolm W. Smith, Bundaberg QLD 4670

Mandarin (*Citrus reticulata*) 'LS01C011' shows the differences in fruit: filling of core and fruit: number of seeds with its comparators '01C011' and 'Royal Honey Murcott'.

Details of Application

Application Number	2017/019
Variety Name	'01C011'
Genus Species	*Citrus reticulata*
Common Name	Mandarin
Accepted Date	13-Feb-2017
Applicant	State of Queensland, Department of Primary Industries, Ecosciences Precinct 3.C.West, 41 Boggo Road, Dutton Park, QLD 4102 Australia.
Qualified Person	Malcolm W. Smith

Details of Comparative Trial

Location	Bundaberg Research Station, Dept of Primary Industries, Queensland
Descriptor	TG/201/1 Citrus L. Group 1 Mandarins
Period	November 2019 to September 2024
Conditions	The Comparative Trial was propagated via budding onto 'US812' rootstock on the 12th January 2019, as soon as disease-free budwood of the necessary comparator variety 'EmpressA' became available from Auscitrus via the national budwood scheme. The availability of this budwood was delayed because of the long process of shoot-tip-grafting and pathogen testing but was essential to ensure disease was not introduced to the research site. Nursery trees were field planted on the 19th November 2019 with 1.5m between trees and 4m between rows. Fruit production first occurred in the 2021 season. Fruit and tree traits were assessed in both 2022 and 2023 and pollen traits again confirmed in September 2024.
Trial Design	Randomised Complete Block design with 9 Treatments and 5 Replicates (Blocks). Replicates consisted of single trees. The 5 Blocks occurred down a single row of trees with guard rows on both sides and guard trees at both ends of the trial row.
Measurements	All measurements described in the Technical Guidelines were made. Data was collected from all 5 replicates of each variety in the Comparator Trial
RHS Chart - edition	Sixth Edition, 2019 reprint

Origin and Breeding

Controlled pollination: Discovered as a seedling in May 2001 amongst a population of approximately 6,000 hybrids between 'Ellendale' (female parent) and ‘Murcott’ (male parent). All pollination, growing-out, selection and propagation activities were conducted at Bundaberg Research Station, Queensland. Daughter trees from the original seedling were propagated via budding in September 2001 and have been assessed each fruiting season. The variety has been subject to a range of disease screening tests and used extensively as a parent for breeding new high-quality mandarins. Breeder: Malcolm W. Smith, State of Queensland, Department of Primary Industries, Bundaberg Research Station, 49 Ashfield Road, Bundaberg, QLD 4670 Australia.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Seed	polyembryony	absent
Fruit	presence of neck	absent

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'LS01C011'	PBR2017/018. Low seeded mutation of '01C011'
'Royal Honey Murcott'	Similar fruit appearance and maturity time.

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'EmpressA'	seed	polyembryony	absent	present	
'02C063'	seed	polyembryony	absent	present	PBR2017/020
'LS02C063'	seed	polyembryony	absent	present	PBR2017/021
'00C018'	seed	polyembryony	absent	present	PBR2017/016
'LS00C018'	seed	polyembryony	absent	present	PBR2017/017

Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with X

Organ/Plant Part: Context	'01C011'	'LS01C011'	'Royal Honey Murcott'
☐ Ploidy:	diploid	diploid	diploid
☒ *Tree: growth habit	spreading	spreading	upright
☐ Tree: density of spines	absent or sparse	absent or sparse	absent or sparse
☐ Tree: length of spines	medium	medium	medium
☐ Leaf blade: length	medium	medium	medium
☐ Leaf blade: width	medium	medium	medium
☐ Leaf blade: ratio length/width	medium	medium	medium
☐ Leaf blade: shape in cross section	intermediate	intermediate	intermediate
☐ Leaf blade: twisting	absent or weak	absent or weak	absent or weak
☐ Leaf blade: blistering	absent or weak	absent or weak	absent or weak
☐ Leaf blade: green colour	medium to dark	medium to dark	medium to dark
☐ Leaf blade: undulation of margin	absent or weak	absent or weak	absent or weak
☐ Leaf blade: incisions of margin	absent	absent	absent
☐ Leaf blade: shape of apex	obtuse	obtuse	obtuse
☐ Leaf blade: emargination at tip	present	present	present
☐ Petiole: length	medium	medium	medium

☒ Petiole: presence of wings	present	present	absent
☒ Petiole: width of wings (varieties with petiole wings present only)	narrow	narrow	very narrow
☐ Flower: diameter of calyx	medium	medium	medium
☐ Flower: length of petal	medium	medium	medium
☐ Flower: width of petal	medium	medium	medium
☐ Flower: ratio length/width of petal	medium	medium	medium
☐ Flower: length of stamens	medium	medium	medium
☐ Anther: colour	medium yellow	medium yellow	medium yellow
☐ Anther: viable pollen	present	present	present
☐ Style: length	medium	medium	medium
☐ Infructescence: clustering of fruits	absent	absent	absent
☐ *Fruit: length	medium	medium	medium
☐ *Fruit: diameter	medium	medium	medium
☐ *Fruit: ratio length/diameter	medium	medium	medium
☐ *Fruit: position of broadest part	at middle	at middle	at middle
☐ Fruit: shape in transverse section	circular	circular	circular
☐ *Fruit: general shape of proximal part	flattened	flattened	flattened
☐ *Fruit: presence of neck	absent	absent	absent
☐ *Fruit: presence of depression at stalk end (varieties without fruit neck only)	absent	absent	absent
☐ Fruit: depth of depression at stalk end (varieties without fruit neck only)	shallow	shallow	shallow
☐ Fruit: presence of constriction at stalk end	absent	absent	absent
☐ Fruit: expression of constriction at stalk end	weak	weak	weak
☐ Fruit: number of radial grooves at stalk end	absent or few	absent or few	absent or few
☐ Fruit: length of radial grooves at stalk end	short	short	short
☐ Fruit: depression at stalk attachment (necked varieties only)	absent or shallow	absent or shallow	absent or shallow
☐ Fruit: presence of collar	absent	absent	absent
☐ Fruit: height of collar	low	low	low
☐ Fruit: diameter of collar	small	small	small
☐ Fruit: abscission layer between floral disc and fruit	absent or weakly developed	absent or weakly developed	absent or weakly developed
☐ *Fruit: general shape of distal part	flattened	flattened	flattened
☐ *Fruit: presence of depression at distal end	absent	absent	absent

☐ Fruit: depth of depression at distal end	shallow	shallow	shallow
☐ Fruit: diameter of depression at distal end	small	small	small
☐ *Fruit: presence of areola	absent	absent	absent
☐ Fruit: type of areola	smooth	smooth	smooth
☐ Fruit: diameter of areola	very small	very small	very small
☐ Fruit: diameter of stylar scar	very small	very small	very small
☐ Fruit: persistence of style	none	none	none
☐ Fruit: presence of navel opening	absent	absent	absent
☐ Fruit: diameter of navel opening	very small	very small	very small
☐ Fruit: presence of radial grooves at distal end	absent	absent	absent
☐ Fruit: expression of radial grooves at distal end	very weak	very weak	very weak
☐ *Fruit surface: predominant colours	medium orange	medium orange	medium orange
☐ *Fruit surface: glossiness	strong	strong	strong
☐ Fruit surface: roughness	very smooth to smooth	very smooth to smooth	very smooth to smooth
☐ Fruit surface: size of oil glands	all more or less the same size	all more or less the same size	all more or less the same size
☐ Fruit surface: size of larger oil glands	small	small	small
☐ Fruit surface: conspicuousness of larger oil glands	weak	weak	weak
☐ Fruit surface: presence of pitting and pebbling in oil glands	pitting and pebbling absent	pitting and pebbling absent	pitting and pebbling absent
☐ *Fruit rind: thickness	medium	medium	medium
☐ *Fruit rind: adherence to flesh	weak	weak	weak
☐ Fruit rind: strength	medium	medium	medium
☐ Fruit rind: oiliness	dry	dry	dry
☐ Fruit rind: conspicuousness of oil glands on inner surface	absent or weakly conspicuous	absent or weakly conspicuous	absent or weakly conspicuous
☐ Fruit: colour of albedo	light yellow	light yellow	light yellow
☐ Fruit: density of albedo	medium	medium	medium
☐ *Fruit: amount of albedo adhering to flesh	small	small	small
☐ Fruit: presence of albedo strands	present	present	present
☐ Fruit: amount of albedo strands	small to medium	small to medium	small to medium
☐ *Fruit: main colour of flesh	medium orange	medium orange	medium orange
☒ Fruit: filling of core	sparse	absent or very sparse	medium to dense
☐ Fruit: diameter of core	medium	medium	medium

☐ Fruit: presence of rudimentary segments	absent or weak	absent or weak	absent or weak
☐ Fruit: number of well developed segments	medium	medium	medium
☐ Fruit: coherence of adjacent segment walls	weak	weak	weak
☐ Fruit: strength of segment walls	very weak to weak	very weak to weak	very weak to weak
☐ Fruit: length of juice vesicles	medium	medium	medium
☐ Fruit: thickness of juice vesicles	thin	thin	thin
☐ Fruit: conspicuousness of juice vesicle walls	medium	medium	medium
☐ Fruit: coherence of juice vesicles	medium	medium	medium
☐ *Fruit: presence of navel (viewed internally)	absent or very rare	absent or very rare	absent or very rare
☐ Fruit: size of navel (viewed internally)	very small	very small	very small
☐ Fruit: juiciness	high	high	high
☐ *Fruit juice: total soluble solids	high	high	high
☐ Fruit juice: acidity	low to medium	low to medium	low to medium
☐ Fruit: strength of fibre	weak to medium	weak to medium	weak to medium
☒ Fruit: number of seeds (controlled manual self-pollination)	many	few	few
☒ Fruit: number of seeds (open pollination)	many	few	few
☐ *Seed: polyembryony	absent	absent	absent
☐ Seed: length	medium	medium	medium
☐ Seed: width	medium	medium	medium
☐ Seed: surface	wrinkled	wrinkled	wrinkled
☐ Seed: prominence of wrinkles (varieties with seed surface wrinkled only)	weak	weak	weak
☐ Seed: external colour	whitish	whitish	whitish
☐ Seed: colour of inner seed coat	light brown	light brown	light brown
☐ Seed: colour of cotyledons (varieties with seed: polyembryony present only)	cream	cream	cream
☐ *Time of: maturity of fruit for consumption	early to medium	early to medium	early to medium
☐ *Fruit: parthenocarpy	present	present	present
☐ Plant: self-incompatibility	absent	absent	absent

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'01C011'	'LS01C011'	'Royal Honey Murcott'
☒ Fruit: Alternaria disease	Susceptible	Susceptible	Susceptible

Statistical Table

Organ/Plant Part: Context	'01C011'	'LS01C011'	'Royal Honey Murcott'
☒ Fruit: number of seeds (seeds per fruit)			
Mean	22.63	5.04	3.07
Std. Deviation	4.16	1.69	1.44
Lsd/sig	1.46	P≤0.01	P≤0.01

Prior Applications and Sales: Nil

Description: Malcolm W. Smith, Bundaberg QLD 4670

Mandarin (*Citrus reticulata*) '01C011' shows the differences in fruit: filling of core and fruit: number of seeds with its comparators 'LS01C011' and 'Royal Honey Murcott'.

Details of Application

Application Number	2017/020
Variety Name	'02C063'
Genus Species	*Citrus reticulata*
Common Name	Mandarin
Accepted Date	13-Feb-2017
Applicant	State of Queensland, Department of Primary Industries, Ecosciences Precinct 3.C.West, 41 Boggo Road, Dutton Park, QLD 4102 Australia.
Qualified Person	Malcolm W. Smith

Details of Comparative Trial

Location	Bundaberg Research Station, Dept of Primary Industries, Queensland
Descriptor	TG/201/1 Citrus L. Group 1 Mandarins
Period	November 2019 to September 2024
Conditions	The Comparative Trial was propagated via budding onto 'US812' rootstock on the 12th January 2019, as soon as disease-free budwood of the necessary comparator variety 'EmpressA' became available from Auscitrus via the national budwood scheme. The availability of this budwood was delayed because of the long process of shoot-tip-grafting and pathogen testing but was essential to ensure disease was not introduced to the research site. Nursery trees were field planted on the 19th November 2019 with 1.5m between trees and 4m between rows. Fruit production first occurred in the 2021 season. Fruit and tree traits were assessed in both 2022 and 2023 and pollen traits again confirmed in September 2024.
Trial Design	Randomised Complete Block design with 9 Treatments and 5 Replicates (Blocks). Replicates consisted of single trees. The 5 Blocks occurred down a single row of trees with guard rows on both sides and guard trees at both ends of the trial row.
Measurements	All measurements described in the Technical Guidelines were made. Data was collected from all 5 replicates of each variety in the Comparator Trial
RHS Chart - edition	Sixth Edition, 2019 reprint

Origin and Breeding

Controlled pollination: Discovered as a seedling in May 2001 amongst a population of approximately 6,000 hybrids between 'Ellendale' (female parent) and ‘Murcott’ (male parent). All pollination, growing-out, selection and propagation activities were conducted at Bundaberg Research Station, Queensland. Daughter trees from the original seedling were propagated via budding in September 2001 and have been assessed each fruiting season. The variety has been subject to a range of disease screening tests and used extensively as a parent for breeding new high-quality mandarins. Breeder: Malcolm W. Smith, State of Queensland, Department of Primary Industries, Bundaberg Research Station, 49 Ashfield Road, Bundaberg, QLD 4670 Australia.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Seed	polyembryony	present
Parentage	full siblings	Ellendale x Murcott
Fruit	presence of neck	absent

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'EmpressA'	Full sibling of '02C063' and shares polyembryonic seed type characteristic.
'LS02C063'	PBR2017/021. Low seeded mutation derived from '02C063'
'00C018'	PBR2017/016. Full sib of '02C063'

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'01C011'	seed	polyembryony	present	absent	PBR 2017/019

Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with X

Organ/Plant Part: Context	'02C063'	'00C018'	'EmpressA'	'LS02C063'
☐ Ploidy:	diploid	diploid	diploid	diploid
☒ *Tree: growth habit	upright	upright	spreading	upright
☐ Tree: density of spines	absent or sparse	absent or sparse	absent or sparse	absent or sparse
☐ Tree: length of spines	short	short	short	short
☐ Leaf blade: length	medium	medium	medium	medium
☐ Leaf blade: width	medium	medium	medium	medium
☐ Leaf blade: ratio length/width	medium	medium	medium	medium
☐ Leaf blade: shape in cross section	intermediate	intermediate	intermediate	intermediate
☐ Leaf blade: twisting	absent or weak	absent or weak	absent or weak	absent or weak
☐ Leaf blade: blistering	absent or weak	absent or weak	absent or weak	absent or weak
☐ Leaf blade: green colour	medium to dark	medium to dark	medium to dark	medium to dark
☐ Leaf blade: undulation of margin	absent or weak	absent or weak	absent or weak	absent or weak
☐ Leaf blade: incisions of margin	absent	absent	absent	absent
☐ Leaf blade: shape of apex	obtuse	obtuse	obtuse	obtuse
☐ Leaf blade: emargination at tip	present	present	present	present
☐ Petiole: length	medium	medium	medium	medium
☐ Petiole: presence of wings	present	present	present	present

☐ Petiole: width of wings (varieties with petiole wings present only)	narrow	narrow	narrow	narrow
☐ Flower: diameter of calyx	medium	medium	medium	medium
☐ Flower: length of petal	medium	medium	medium	medium
☐ Flower: width of petal	medium	medium	medium	medium
☐ Flower: ratio length/width of petal	medium	medium	medium	medium
☐ Flower: length of stamens	medium	medium	medium	medium
☐ Anther: colour	medium yellow	medium yellow	medium yellow	medium yellow
☐ Anther: viable pollen	present	present	present	present
☐ Style: length	medium	medium	medium	medium
☐ Infructescence: clustering of fruits	absent	absent	absent	absent
☐ *Fruit: length	short	short	short	short
☐ *Fruit: diameter	large	large	large	large
☒ *Fruit: ratio length/diameter	small	medium	large	small
☐ *Fruit: position of broadest part	at middle	at middle	at middle	at middle
☐ Fruit: shape in transverse section	circular	circular	circular	circular
☐ *Fruit: general shape of proximal part	flattened	flattened	flattened	flattened
☐ *Fruit: presence of neck	absent	absent	absent	absent
☐ *Fruit: presence of depression at stalk end (varieties without fruit neck only)	absent	absent	absent	absent
☐ Fruit: depth of depression at stalk end (varieties without fruit neck only)	very shallow	very shallow	very shallow	very shallow
☐ Fruit: presence of constriction at stalk end	absent	absent	absent	absent
☐ Fruit: expression of constriction at stalk end	very weak	very weak	very weak	very weak
☐ Fruit: number of radial grooves at stalk end	absent or few	absent or few	absent or few	absent or few
☐ Fruit: length of radial grooves at stalk end	very short	very short	very short	very short
☐ Fruit: presence of collar	absent	absent	absent	absent
☐ Fruit: height of collar	very low	very low	very low	very low
☐ Fruit: diameter of collar	very small	very small	very small	very small
☐ Fruit: abscission layer between floral disc and fruit	absent or weakly developed	absent or weakly developed	absent or weakly developed	absent or weakly developed
☐ *Fruit: general shape of distal part	flattened	flattened	flattened	flattened
☐ *Fruit: presence of depression at distal end	absent	absent	absent	absent

☐ Fruit: depth of depression at distal end	very shallow	very shallow	very shallow	very shallow
☐ Fruit: diameter of depression at distal end	very small	very small	very small	very small
☐ *Fruit: presence of areola	absent	absent	absent	absent
☐ Fruit: type of areola	smooth	smooth	smooth	smooth
☐ Fruit: diameter of areola	very small	very small	very small	very small
☐ Fruit: diameter of stylar scar	very small	very small	very small	very small
☐ Fruit: persistence of style	none	none	none	none
☐ Fruit: presence of navel opening	absent	absent	absent	absent
☐ Fruit: diameter of navel opening	very small	very small	very small	very small
☐ Fruit: presence of radial grooves at distal end	absent	absent	absent	absent
☐ Fruit: expression of radial grooves at distal end	very weak	very weak	very weak	very weak
☐ *Fruit surface: predominant colours	orange red	orange red	orange red	orange red
☐ *Fruit surface: glossiness	strong to very strong	strong to very strong	strong to very strong	strong to very strong
☐ Fruit surface: roughness	very smooth	very smooth	very smooth	very smooth
☐ Fruit surface: size of oil glands	all more or less the same size	all more or less the same size	all more or less the same size	all more or less the same size
☐ Fruit surface: size of larger oil glands	small	small	small	small
☐ Fruit surface: conspicuousness of larger oil glands	very weak	very weak	very weak	very weak
☐ Fruit surface: presence of pitting and pebbling in oil glands	pitting and pebbling absent	pitting and pebbling absent	pitting and pebbling absent	pitting and pebbling absent
☐ Fruit surface: density of pitting (varieties with fruit surface: pitting on oil glands present only)	very sparse	very sparse	very sparse	very sparse
☐ Fruit surface: density of pebbling (varieties with fruit surface: pebbling on oil glands present only)	very sparse	very sparse	very sparse	very sparse
☐ Fruit surface: degree of pebbling (varieties with fruit surface: pebbling on oil glands present only)	very weak	very weak	very weak	very weak
☐ *Fruit rind: thickness	thin	thin	thin	thin
☒ *Fruit rind: adherence to flesh	weak	medium	medium	weak
☐ Fruit rind: strength	strong	strong	strong	strong
☐ Fruit rind: oiliness	medium	medium	medium	medium

☒ Fruit rind: conspicuousness of oil glands on inner surface	absent or weakly conspicuous	strongly conspicuous	absent or weakly conspicuous	absent or weakly conspicuous
☐ Fruit: colour of albedo	white	white	white	white
☐ Fruit: density of albedo	medium	medium	medium	medium
☐ *Fruit: amount of albedo adhering to flesh	small	small	small	small
☐ Fruit: presence of albedo strands	absent	absent	absent	absent
☐ Fruit: amount of albedo strands	very small	very small	very small	very small
☐ *Fruit: main colour of flesh	red	red	red	red
☐ Fruit: filling of core	sparse	very dense	medium	sparse
☐ Fruit: diameter of core	medium	medium	medium	medium
☐ Fruit: presence of rudimentary segments	absent or weak	absent or weak	absent or weak	absent or weak
☐ Fruit: number of well developed segments	medium	medium	medium	medium
☐ Fruit: coherence of adjacent segment walls	medium	medium	medium	medium
☐ Fruit: strength of segment walls	medium	medium	medium	medium
☐ Fruit: length of juice vesicles	medium	medium	medium	medium
☐ Fruit: thickness of juice vesicles	medium	medium	medium	medium
☐ Fruit: conspicuousness of juice vesicle walls	medium	medium	medium	medium
☐ Fruit: coherence of juice vesicles	medium	medium	medium	medium
☐ *Fruit: presence of navel (viewed internally)	absent or very rare	absent or very rare	absent or very rare	absent or very rare
☐ Fruit: size of navel (viewed internally)	very small	very small	very small	very small
☐ Fruit: juiciness	high	high	high	high
☐ *Fruit juice: total soluble solids	high to very high	high to very high	high to very high	high to very high
☐ Fruit juice: acidity	medium to high	medium to high	medium to high	medium to high
☐ Fruit: strength of fibre	weak	weak	weak	weak
☒ Fruit: number of seeds (controlled manual self-pollination)	many	many	few	few
☒ Fruit: number of seeds (open pollination)	many	many	few	few
☐ *Seed: polyembryony	present	present	present	present
☐ Seed: length	medium	medium	medium	medium
☐ Seed: width	medium	medium	medium	medium
☐ Seed: surface	wrinkled	wrinkled	wrinkled	wrinkled

☐ Seed: prominence of wrinkles (varieties with seed surface wrinkled only)	weak	weak	weak	weak
☐ Seed: external colour	whitish	whitish	whitish	whitish
☐ Seed: colour of inner seed coat	light brown	light brown	light brown	light brown
☐ Seed: colour of cotyledons (varieties with seed: polyembryony present only)	cream	cream	cream	cream
☐ *Time of: maturity of fruit for consumption	late to very late	late to very late	late to very late	late to very late
☐ *Fruit: parthenocarpy	absent	absent	absent	absent
☐ Plant: self-incompatibility	absent	absent	absent	absent

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	**'02C063'**	**'00C018'**	**'EmpressA'**	**'LS02C063'**
☒ Fruit: Alternaria disease	Susceptible	Susceptible	Resistant	Susceptible

Statistical Table

Organ/Plant Part: Context	**'02C063'**	**'00C018'**	**'EmpressA'**	**'LS02C063'**
☒ Fruit: number of seeds (seeds per fruit)				
Mean	17.02	15.77	3.45	3.09
Std. Deviation	5.32	5.35	2.10	1.58
Lsd/sig	1.80	ns	P≤0.01	P≤0.01

Prior Applications and Sales: Nil

Description: Malcolm W. Smith, Bundaberg QLD 4670

Mandarin (*Citrus reticulata*) '02C063' shows the differences in fruit rind: adherence to flesh, fruit rind: conspicuousness of oil glands on inner surface and fruit: number of seeds with its comparators 'LS02C063', '00C018' and 'EmpressA'.

Details of Application

Application Number	2017/021
Variety Name	'LS02C063'
Genus Species	*Citrus reticulata*
Common Name	Mandarin
Accepted Date	13-Feb-2017
Applicant	State of Queensland, Department of Primary Industries, Ecosciences Precinct 3.C.West, 41 Boggo Road, Dutton Park, QLD 4102 Australia.
Qualified Person	Malcolm W Smith

Details of Comparative Trial

Location	Bundaberg Research Station, Dept of Primary Industries, Queensland
Descriptor	TG/201/1 Citrus L. Group 1 Mandarins
Period	November 2019 to September 2024
Conditions	The Comparative Trial was propagated via budding onto 'US812' rootstock on the 12th January 2019, as soon as disease-free budwood of the necessary comparator variety 'EmpressA' became available from Auscitrus via the national budwood scheme. The availability of this budwood was delayed because of the long process of shoot-tip-grafting and pathogen testing but was essential to ensure disease was not introduced to the research site. Nursery trees were field planted on the 19th November 2019 with 1.5m between trees and 4m between rows. Fruit production first occurred in the 2021 season. Fruit and tree traits were assessed in both 2022 and 2023 and pollen traits again confirmed in September 2024.
Trial Design	A Randomised Complete Block design was used, with 9 Treatments and 5 Replicates (Blocks). Replicates consisted of single trees. The 5 Blocks occurred down a single row of trees with guard rows on both sides and guard trees at both ends of the trial row.
Measurements	All measurements described in the Technical Guidelines were made. Data was collected from all 5 replicates of each variety in the Comparator Trial.
RHS Chart - edition	Sixth Edition, 2019 reprint

Origin and Breeding

Induced mutation or sport: Discovered as a low-seeded limb sport in January 2012 on trees derived from irradiated buds of '02C063' (Application 2017/020). Budwood of ‘02C063’ was subject to mutation breeding techniques using a cobalt 60 gamma cell in January and April 2008 and January and May 2010 and buds subsequently worked onto conventional rootstocks (mostly ‘Troyer’). A total of 2,697 irradiated buds from 10 different varieties were budded. Buds that survived and developed into trees of a suitable size, were field planted at two sites in March and April 2009 and a third site in March 2011. A total of 147 trees derived from mutation treated buds of ‘02C063’were planted and assessed for seediness, fruit size and productivity. The bud that resulted in ‘LS02C063’ had received a dose of 30 Gy. Budwood was collected from the tree limb of ‘LS02C063’ and used to produce 141 daughter trees which were subsequently planted at three testing sites in 2016. Trees at these sites have been assessed each fruiting season. Two more generation of budding have occurred, and traits

remain consistent. Breeder: Malcolm W. Smith, State of Queensland, Department of Primary Industries, Bundaberg Research Station, 49 Ashfield Road, Bundaberg, QLD 4670 Australia.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Seed	polyembryony	present
Fruit	presence of neck	absent
Parentage	full siblings	Ellendale x Murcott

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'02C063'	PBR2017/020. Seedy progenitor of 02C063
'LS00C018'	PBR2017/017. Same parentage as 'LS02C063'
'EmpressA'	Same parentage as 'LS02C063'

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'LS01C011'	seed polyembryony	present	absent	PBR2017/018

Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with X

Organ/Plant Part: Context	'LS02C063'	'02C063'	'EmpressA'	'LS00C018'
☐ Ploidy:	diploid	diploid	diploid	diploid
☒ *Tree: growth habit	upright	upright	spreading	upright
☐ Tree: density of spines	absent or sparse	absent or sparse	absent or sparse	absent or sparse
☐ Tree: length of spines	very short	very short	very short	very short
☐ Leaf blade: length	medium	medium	medium	medium
☐ Leaf blade: width	medium	medium	medium	medium
☐ Leaf blade: ratio length/width	medium	medium	medium	medium
☐ Leaf blade: shape in cross section	intermediate	intermediate	intermediate	intermediate
☐ Leaf blade: twisting	absent or weak	absent or weak	absent or weak	absent or weak
☐ Leaf blade: blistering	absent or weak	absent or weak	absent or weak	absent or weak
☐ Leaf blade: green colour	medium to dark	medium to dark	medium to dark	medium to dark
☐ Leaf blade: undulation of margin	absent or weak	absent or weak	absent or weak	absent or weak
☐ Leaf blade: incisions of margin	absent	absent	absent	absent

☐ Leaf blade: shape of apex	obtuse	obtuse	obtuse	obtuse
☐ Leaf blade: emargination at tip	present	present	present	present
☐ Petiole: length	medium	medium	medium	medium
☐ Petiole: presence of wings	absent	absent	absent	absent
☐ Petiole: width of wings (varieties with petiole wings present only)	very narrow	very narrow	very narrow	very narrow
☐ Flower: diameter of calyx	medium	medium	medium	medium
☐ Flower: length of petal	medium	medium	medium	medium
☐ Flower: width of petal	medium	medium	medium	medium
☐ Flower: ratio length/width of petal	medium	medium	medium	medium
☐ Flower: length of stamens	medium	medium	medium	medium
☐ Anther: colour	medium yellow	medium yellow	medium yellow	medium yellow
☐ Anther: viable pollen	present	present	present	present
☐ Style: length	medium	medium	medium	medium
☐ Infructescence: clustering of fruits	absent	absent	absent	absent
☐ *Fruit: length	short	short	short	short
☐ *Fruit: diameter	large	large	large	large
☒ *Fruit: ratio length/diameter	small	small	large	medium
☐ *Fruit: position of broadest part	at middle	at middle	at middle	at middle
☐ Fruit: shape in transverse section	circular	circular	circular	circular
☐ *Fruit: general shape of proximal part	flattened	flattened	flattened	flattened
☐ *Fruit: presence of neck	absent	absent	absent	absent
☐ *Fruit: presence of depression at stalk end (varieties without fruit neck only)	absent	absent	absent	absent
☐ Fruit: depth of depression at stalk end (varieties without fruit neck only)	very shallow	very shallow	very shallow	very shallow
☐ Fruit: presence of constriction at stalk end	absent	absent	absent	absent
☐ Fruit: expression of constriction at stalk end	weak	weak	weak	weak
☐ Fruit: number of radial grooves at stalk end	absent or few	absent or few	absent or few	absent or few
☐ Fruit: length of radial grooves at stalk end	very short	very short	very short	very short
☐ Fruit: presence of collar	absent	absent	absent	absent
☐ Fruit: height of collar	very low	very low	very low	very low
☐ Fruit: diameter of collar	small	small	small	small
☐ Fruit: abscission layer between floral disc and fruit	absent or weakly developed	absent or weakly developed	absent or weakly developed	absent or weakly developed

☐ *Fruit: general shape of distal part	flattened	flattened	flattened	flattened
☐ *Fruit: presence of depression at distal end	absent	absent	absent	absent
☐ Fruit: depth of depression at distal end	very shallow	very shallow	very shallow	very shallow
☐ Fruit: diameter of depression at distal end	very small	very small	very small	very small
☐ *Fruit: presence of areola	absent	absent	absent	absent
☐ Fruit: type of areola	smooth	smooth	smooth	smooth
☐ Fruit: diameter of areola	small	small	small	small
☐ Fruit: diameter of stylar scar	very small	very small	very small	very small
☐ Fruit: persistence of style	none	none	none	none
☐ Fruit: presence of navel opening	absent	absent	absent	absent
☐ Fruit: diameter of navel opening	very small	very small	very small	very small
☐ Fruit: presence of radial grooves at distal end	absent	absent	absent	absent
☐ Fruit: expression of radial grooves at distal end	very weak	very weak	very weak	very weak
☐ *Fruit surface: predominant colours	dark orange	dark orange	dark orange	dark orange
☐ *Fruit surface: glossiness	strong	strong	strong	strong
☐ Fruit surface: roughness	very smooth	very smooth	very smooth	very smooth
☐ Fruit surface: size of oil glands	all more or less the same size	all more or less the same size	all more or less the same size	all more or less the same size
☐ Fruit surface: size of larger oil glands	very small	very small	very small	very small
☐ Fruit surface: conspicuousness of larger oil glands	very weak	very weak	very weak	very weak
☐ Fruit surface: presence of pitting and pebbling in oil glands	pitting and pebbling absent	pitting and pebbling absent	pitting and pebbling absent	pitting and pebbling absent
☐ *Fruit rind: thickness	very thin	very thin	very thin	very thin
☒ *Fruit rind: adherence to flesh	weak	weak	medium	medium
☐ Fruit rind: strength	strong	strong	strong	strong
☐ Fruit rind: oiliness	medium	medium	medium	medium
☐ Fruit rind: conspicuousness of oil glands on inner surface	absent or weakly conspicuous	absent or weakly conspicuous	absent or weakly conspicuous	absent or weakly conspicuous
☐ Fruit: colour of albedo	white	white	white	white
☐ Fruit: density of albedo	medium	medium	medium	medium
☐ *Fruit: amount of albedo adhering to flesh	small	small	small	small
☐ Fruit: presence of albedo strands	absent	absent	absent	absent
☐ Fruit: amount of albedo strands	very small	very small	very small	very small

☐ *Fruit: main colour of flesh	red	red	red	red
☒ Fruit: filling of core	sparse	sparse	medium	very dense
☐ Fruit: diameter of core	small	small	small	small
☐ Fruit: presence of rudimentary segments	absent or weak	absent or weak	absent or weak	absent or weak
☐ Fruit: number of well developed segments	medium	medium	medium	medium
☐ Fruit: coherence of adjacent segment walls	medium	medium	medium	medium
☐ Fruit: strength of segment walls	medium to strong	medium to strong	medium to strong	medium to strong
☐ Fruit: length of juice vesicles	medium	medium	medium	medium
☐ Fruit: thickness of juice vesicles	medium	medium	medium	medium
☐ Fruit: conspicuousness of juice vesicle walls	medium	medium	medium	medium
☐ Fruit: coherence of juice vesicles	medium	medium	medium	medium
☐ *Fruit: presence of navel (viewed internally)	absent or very rare	absent or very rare	absent or very rare	absent or very rare
☐ Fruit: juiciness	high	high	high	high
☐ *Fruit juice: total soluble solids	high	high	high	high
☐ Fruit juice: acidity	medium to high	medium to high	medium to high	medium to high
☐ Fruit: strength of fibre	weak	weak	weak	weak
☒ Fruit: number of seeds (controlled manual self-pollination)	few	many	few	absent or very few
☒ Fruit: number of seeds (open pollination)	few	many	few	absent or very few
☐ *Seed: polyembryony	present	present	present	present
☐ Seed: length	medium	medium	medium	medium
☐ Seed: width	medium	medium	medium	medium
☐ Seed: surface	wrinkled	wrinkled	wrinkled	wrinkled
☐ Seed: prominence of wrinkles (varieties with seed surface wrinkled only)	weak	weak	weak	weak
☐ Seed: external colour	whitish	whitish	whitish	whitish
☐ Seed: colour of inner seed coat	light brown	light brown	light brown	light brown
☐ Seed: colour of cotyledons (varieties with seed: polyembryony present only)	cream	cream	cream	cream
☐ *Time of: maturity of fruit for consumption	late to very late	late to very late	late to very late	late to very late
☐ *Fruit: parthenocarpy	absent	absent	absent	absent
☐ Plant: self-incompatibility	absent	absent	absent	absent

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'LS02C063'	'02C063'	'EmpressA'	'LS00C018'
☒ Fruit: Alternaria disease	Susceptible	Susceptible	Resistant	Susceptible

Statistical Table

Organ/Plant Part: Context	'LS02C063'	'02C063'	'EmpressA'	'LS00C018'
☒ Fruit: number of seeds (seeds per fruit)				
Mean	3.09	17.02	3.45	0.17
Std. Deviation	1.58	5.32	2.10	0.41
Lsd/sig	1.93	P≤0.01	ns	P≤0.01

Prior Applications and Sales: Nil

Description: Malcolm W. Smith, Bundaberg QLD 4670

Mandarin (*Citrus reticulata*) 'LS02C063' shows the differences in fruit rind: adherence to flesh, fruit rind: conspicuousness of oil glands on inner surface and fruit: number of seeds with its comparators '02C063', 'LS00C018' and 'EmpressA'.

Details of Application

Application Number	2017/203
Variety Name	'Hpopr013'
Genus Species	*Hydrangea paniculata*
Common Name	Hydrangea
Synonym	Candlelight
Accepted Date	03-Aug-2017
Applicant	Oprins Plants N.V, Sint Lenaartsesteenweg 91, Rijkevorsel, 2310 Belgium
Agent	Plants Management Australia Pty Ltd, Dodges Ferry, TAS, Australia
Qualified Person	Steve Eggleton

Details of Comparative Trial

Overseas Testing Authority	GEVES France
Overseas Data Reference Number	DEE 4049576
Location	Brion, France
Descriptor	TG/133/5
Period	15/01/2013 - 15/12/2014
RHS Chart - edition	Fifth Edition (RHS 2007)

Origin and Breeding

Chance seedling: The new cultivar was discovered by the breeder as a chance seedling in a trial garden planted with *Hydrangea* 'Dharuma' and 'Pink Diamond' in 2010. The selection was made on observation of the inflorescence shape and sterile flower colour. Both these plants are the suspected parents based on their characteristics and close proximity to the selection. Breeder: Jan Oprins, Sint Lenaartsesteenweg 91, Rijkevorsel, 2310 Belgium.

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	non-climbing
Plant	growth habit	upright
Fertile flower	colour of petals	white
Sterile flower	main colour of sepal	white
Inflorescence	pink or red colour at aging	present

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Little Lime Jane'	

Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with X

Organ/Plant Part: Context	'Hpopr013'	'Little Lime Jane'
☐ Plant: type	non-climbing	
☐ Plant: growth habit	upright	
☒ Plant: height	short	medium
☐ Stem: fasciation	absent	
☐ Stem: number of lenticels	absent or few	
☐ Stem: color of lenticels	whitish	
☒ Leaf blade: length	very long	medium
☐ Leaf blade: width	medium	
☐ Leaf blade: lobing	absent	
☐ Leaf blade: shape	elliptic	
☐ Leaf blade: length of tip	medium	
☐ Leaf blade: shape of base	acute	
☐ Leaf blade: depth of incisions on margin	absent or very shallow	
☐ Leaf blade: variegation	absent	
☐ Leaf blade: main color	medium green	
☐ Leaf blade: secondary color	none	
☐ Leaf blade: glossiness	absent or weak	
☐ Inflorescence: shape	conical	
☐ Inflorescence: height	tall	
☐ Inflorescence: arrangement of sterile flower	irregular	
☐ Sterile flower: diameter of calyx	small to medium	
☐ Sterile flower: number of sepals	4 and 5	
☐ Sterile flower: overlapping of sepals	medium	
☐ Sterile flower: incisions of margin of sepals	absent on all sepals	
☐ Sterile flower: secondary color of inner side of sepals	none	
☐ Fertile flower: color of petals	white	
☐ Inflorescence: pink or red color at aging	on the entire	

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Hpopr013'	'Little Lime Jane'
☐ Inflorescence: diameter	small to medium	
☐ Inflorescence: conspicuousness of fertile flowers	moderately conspicuous	
☐ Sterile flower: type	single	

☐ Sterile flower: main colour of sepal (RHS chart)	155A	
☒ Plant: time of beginning of flowering	medium to late	very late
☐ Stem: colour	purplish	
☐ Leaf blade: blistering	weak	

Prior Applications and Sales

Country	Year	Status	Name Applied
European Union	2011	Granted	**'Hpopr013'**
USA	2013	Granted	**'Hpopr013'**
Canada	2015	Granted	**'Hpopr013'**

Description: Steve Eggleton, Wonga Park, 3115 VIC

Hydrangea *(Hydrangea paniculata) variety* 'Hpopr013'

Details of Application

Application Number	2017/294
Variety Name	'Dark Zamicro'
Genus Species	*Zamioculcas zamiifolia*
Common Name	ZZ Plant
Accepted Date	24-Oct-2017
Applicant	Aardam B.V., Aarlanderveen, The Netherlands
Agent	Crop & Nursery Services, Central Coast, NSW
Qualified Person	Ian Paananen

Details of Comparative Trial

Overseas Testing Authority	Naktuinbouw, NL
Overseas Data Reference Number	ZAM 8
Location	Naktuinbouw, Roelofarendsveen, NL
Descriptor	NL/ZAM/1, d.d. 02-06-2012
Period	2016
Conditions	as per NL DUS test report
Trial Design	as per NL DUS test report
Measurements	as per NL DUS test report
RHS Chart - edition	6th edition (2015)

Origin and Breeding

Spontaneous mutation: parent 'Zamicro'. The parent is characterised by a green leaf colour and very short plant height. Selection took place in Aarlanderveen, The Netherlands in 2013. Selection criteria: very dark leaf colour. Propagation: vegetative cuttings are found to be uniform and stable. Breeder: Adrianus Theodorus Spruit, Aarlanderveen, 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	very short
Leaf	width of blade	narrow to medium
Leaf	length of blade	very short

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Zamicro'	

Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with X

Organ/Plant Part: Context	'Dark Zamicro'	'Zamicro'
☐ Plant: height	very short	

☐ Leaf: length of blade	very short
☐ Leaf: width of blade	narrow to medium
☐ Leaf: length of petiole	short to medium

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Dark Zamicro'	'Zamicro'
☐ Petiole: width at base	ca. 12mm	
☐ Petiole: colour	light green	
☐ Leaf blade: number of leaflets	few to medium	
☐ Leaflet: length	ca. 6cm	
☐ Leaflet: width	ca. 25cm	
☐ Leaflet: shape	elliptic	
☐ Leaflet: angle with main vein	small	
☐ Leaflet: variegation	absent	
☒ Leaflet: main colour	dark purple green	medium green to dark green
☒ Leaflet: glossiness	very strong	medium to strong
☐ Leaflet: shape of apex	acute	
☐ Leaflet: undulation of margin	weak	
☐ Leaflet: longitudinal axis	straight	
☐ Scale leaf: length	ca. 4cm	
☐ Scale leaf: colour	brown purple	

Prior Applications and Sales:

Country	Year	Status	Name Applied
Europe	2015	Granted	'Dark Zamicro'
United States	2016	pending	'Dark Zamicro'

No prior sale.

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

Zamioculcas zamiifolia (ZZ plant) variety ‘Dark Zamicro’

Details of Application

Application Number	2018/240
Variety Name	'PBBRSP1348'
Genus Species	*Rubus idaeus*
Common Name	Raspberry
Accepted Date	25-Sep-2018
Applicant	Hortifrut Genetics Limited, Estero, Florida, USA
Agent	Foote Intellectual Property Limited, Lower Hutt, New Zealand
Qualified Person	Ian Paananen

Details of Comparative Trial

Overseas Testing Authority	Bundessortenamt, Germany
Overseas Data Reference Number	HMB 323
Location	Prufstelle Wursen, Germany
Descriptor	UPOV/TG/43/7
Period	2020-2021
Conditions	All measurements and observations taken according to UPOV guideline TG/43/7.
Trial Design	All measurements and observations taken according to UPOV guideline TG/43/7.
Measurements	All measurements and observations taken according to UPOV guideline TG/43/7.

Origin and Breeding

Controlled pollination: seed parent "Pacific Gema" x pollen parent "E10-22" in 2012 at Watsonville, California, USA. The seed parent is characterised by a medium fruit size, dark fruit colour, narrow conical fruit shape and medium productivity. The pollen parent is characterised by a medium fruit size and lower plant growth vigour. 2013: selection of "PBBRSP1348". 2013-2016: propagation by cuttings and establishment of plant trials multiple sites. Selection criteria: plant health and fitness, ease of fruit detachment, berry size and flavour. Propagation: vegetative cuttings and micropropagation found to be uniform and stable. Breeder: Ellen Thompson, 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 in rapid growth	present
Fruit	colour	medium red
Spines	presence	present
Fruit	main bearing type	on previous season's cane in summer and on current season's cane in autumn

Plant	varieties which fruit on previous season's in summer: time of beginning of fruit ripening on previous season's cane	early
Plant	Varieties which fruit on current season's cane in autumn: time of beginning of fruit ripening on current season's cane	early

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'NY One' (HMB 212)	

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Pacific Deluxe' 'Pacific Starlet'	Fruit Plant	colour growth habit	medium red semi-upright	darker red upright	'Pacific Starlet' also has lower productivity

Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with X

Organ/Plant Part: Context	'PBBRSP1348'	'NY One'
☐ Plant: habit	semi-upright	
☐ *Plant: number of current season's canes	few	
☐ *Very young shoot: anthocyanin colouration of apex during rapid growth	present	
☐ *Very young shoot: intensity of anthocyanin colouration of apex during rapid growth	weak to medium	
☐ Current season's cane: bloom	very weak to weak	
☐ Current season's cane: anthocyanin colouration	medium to strong	
☐ Current season's cane: length of internode	short	
☐ Current season's cane: length of vegetative bud	short to medium	
☐ *Dormant cane: length (varieties which fruit on previous season's cane in summer)	short to medium	
☐ *Current season's cane: length (varieties which fruit on current season's cane in autumn)	short to medium	
☐ *Dormant cane: colour (varieties which fruit on previous season's cane in summer)	brown	
☐ *Spines: presence	present	

☐ *Spines: density (varieties with spines present only)	medium to dense	
☐ Spines: size of base (varieties with spines present only)	small to medium	
☐ Spines: length (varieties with spines present only)	medium	
☐ Spines: colour (varieties with spines present only)	greenish brown	
☐ *Leaf: green colour of upper side	medium	
☐ *Leaf: predominant number of leaflets	three	
☐ Leaf: profile of leaflets in cross section	convex	
☐ *Leaf: rugosity	medium	
☐ Leaf: relative position of lateral leaflets	touching	
☐ Terminal leaflet: length	long	
☐ Terminal leaflet: width	broad	
☒ Pedicel: number of spines	many	few to medium
☐ *Peduncle: presence of anthocyanin colouration	present	
☐ *Peduncle: intensity of anthocyanin colouration	very weak to weak	
☐ Flower: size	medium to large	
☐ Fruiting lateral: attitude (varieties which fruit on previous year's cane in summer)	semi-erect	
☐ *Fruiting lateral: length (varieties which fruit on previous year's cane in summer)	short to medium	
☐ *Fruit: length	long	
☐ *Fruit: width	broad	
☐ *Fruit: ratio length/width	medium to large	
☐ *Fruit: general shape in lateral view	broad conical	
☐ Fruit: size of single drupe	large	
☐ *Fruit: colour	medium red	
☐ Fruit: glossiness	strong	
☐ *Fruit: firmness	medium to firm	
☐ Fruit: adherence to plug	medium	
☐ *Fruit: main bearing type	both previous year's cane in summer & current year's cane in autumn	
☐ *Plant: time of vegetative bud burst (varieties which fruit on previous year's cane in summer)	medium	
☐ *Time of: cane emergence (varieties which fruit on current year's cane in autumn)	medium to late	
☐ *Time of: beginning of flowering on previous year's cane (varieties which fruit on previous year's cane in summer)	early	
☐ *Time of: beginning of flowering on current season's cane (varieties which fruit on current year's cane in autumn)	early to medium	

☐ *Time of: beginning of fruit ripening on previous year's cane (varieties which fruit of previous year's cane in summer)	early	
☐ *Time of: beginning of fruit ripening on current year's cane (varieties which fruit on current year's cane in autumn)	early	
☐ Length of: fruiting period on previous year's cane (varieties which fruit on previous year's cane in summer)	medium to long	
☒ Length of: fruiting period on current year's cane (varieties which fruit on current year's cane in autumn)	long to very long	short

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2018	Granted	'PBBRSP1348'
Mexico	2018	Applied	'PBBRSP1348'
Morocco	2018	Applied	'PBBRSP1348'
Peru	2018	Granted	'PBBRSP1348'
USA	2017	Granted	'PBBRSP1348'

Prior Sales: First sold in the USA in October 2016

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

Raspberry (*Rubus idaeus*) variety 'PBBRSP1348'

Details of Application

Application Number	2018/241
Variety Name	'PBBRSP1381'
Genus Species	*Rubus idaeus*
Common Name	Raspberry
Accepted Date	25-Sep-2018
Applicant	Hortifrut Genetics Limited, Estero, Florida, USA
Agent	Foote Intellectual Property Limited, Lower Hutt, New Zealand
Qualified Person	Ian Paananen

Details of Comparative Trial

Overseas Testing Authority	Bundessortenamt, Germany
Overseas Data Reference Number	HMB 322
Location	Prufstelle Wursen, Germany
Descriptor	TG/43/7
Period	2020-2021
Conditions	All measurements and observations taken according to UPOV guideline TG/43/7.
Trial Design	All measurements and observations taken according to UPOV guideline TG/43/7.
Measurements	All measurements and observations taken according to UPOV guideline TG/43/7.
RHS Chart - edition	n/a

Origin and Breeding

Controlled pollination: seed parent 'Pacific Gema' x pollen parent 'Pacific Starlet' in 2012 at Watsonville, California, USA. The seed parent is characterised by a medium fruit size, dark fruit colour, narrow conical fruit shape and medium productivity. The pollen parent is characterised by a medium fruit size and medium fruit firmness. 2013: selection of 'PBBRSP1381'. 2013-2016: propagation by cuttings and establishment of plant trials multiple sites. Selection criteria: plant health and fitness, ease of fruit detachment, berry size and flavour. Propagation: vegetative cuttings and micropropagation found to be uniform and stable. Breeder: Ellen Thompson, 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
Fruit	colour	medium red
Spines	presence	present

Plant	varieties which fruit on current season's cane in autumn: time of beginning of fruit ripening on current season's cane	late to very late
Plant	varieties which fruit on previous season's in summer: time of beginning of fruit ripening on previous season's cane	early to medium

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Holyoke'	
'Maravilla'	
'DrisRaspThree'	

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Pacific Deluxe'	Plant	productivity	high	medium	

Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with X

Organ/Plant Part: Context	'PBBRSP1381'	'DrisRaspThree'	'Holyoke'	'Maravilla'
☐ Plant: habit	upright			
☐ *Plant: number of current season's canes	medium			
☐ *Very young shoot: anthocyanin colouration of apex during rapid growth	present			
☐ *Very young shoot: intensity of anthocyanin colouration of apex during rapid growth	weak			
☒ Current season's cane: bloom	weak	strong	medium to strong	
☐ Current season's cane: anthocyanin colouration	strong			
☐ Current season's cane: length of internode	short to medium			
☐ Current season's cane: length of vegetative bud	short			
☐ *Dormant cane: length (varieties which fruit on previous season's cane in summer)	medium			

☐ *Current season's cane: length (varieties which fruit on current season's cane in autumn)	medium		
☐ *Dormant cane: colour (varieties which fruit on previous season's cane in summer)	purplish brown		
☐ *Spines: presence	present		
☐ *Spines: density (varieties with spines present only)	medium		
☐ Spines: size of base (varieties with spines present only)	medium		
☐ Spines: length (varieties with spines present only)	medium		
☐ Spines: colour (varieties with spines present only)	purple		
☐ *Leaf: green colour of upper side	medium		
☐ *Leaf: predominant number of leaflets	five		
☐ Leaf: profile of leaflets in cross section	concave		
☐ *Leaf: rugosity	medium		
☐ Leaf: relative position of lateral leaflets	free		
☐ Terminal leaflet: length	long		
☐ Terminal leaflet: width	broad		
☒ Pedicel: number of spines	few to medium	many to very many	many
☐ *Peduncle: presence of anthocyanin colouration	present		
☐ *Peduncle: intensity of anthocyanin colouration	strong		
☐ Flower: size	medium		
☐ Fruiting lateral: attitude (varieties which fruit on previous year's cane in summer)	semi-erect		
☐ *Fruiting lateral: length (varieties which fruit on previous year's cane in summer)	medium to long		
☐ *Fruit: length	long		
☐ *Fruit: width	broad		
☐ *Fruit: ratio length/width	large		
☐ *Fruit: general shape in lateral view	conical		
☐ Fruit: size of single drupe	large to very large		
☐ *Fruit: colour	medium red		
☐ Fruit: glossiness	medium to strong		
☐ *Fruit: firmness	firm		
☐ Fruit: adherence to plug	medium		

☒ *Fruit: main bearing type	both previous year's cane in summer & current year's cane in autumn	only on current year's cane in autumn	only on current year's cane in autumn
☐ *Plant: time of vegetative bud burst (varieties which fruit on previous year's cane in summer)	early to medium		
☐ *Time of: cane emergence (varieties which fruit on current year's cane in autumn)	medium		
☐ *Time of: beginning of flowering on previous year's cane (varieties which fruit on previous year's cane in summer)	early to medium		
☐ *Time of: beginning of flowering on current season's cane (varieties which fruit on current year's cane in autumn)	late		
☐ *Time of: beginning of fruit ripening on previous year's cane (varieties which fruit of previous year's cane in summer)	early to medium		
☐ *Time of: beginning of fruit ripening on current year's cane (varieties which fruit on current year's cane in autumn)	late to very late		
☐ Length of: fruiting period on previous year's cane (varieties which fruit on previous year's cane in summer)	medium		
☐ Length of: fruiting period on current year's cane (varieties which fruit on current year's cane in autumn)	short to medium		

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2018	Granted	'PBBRSP1381'
Mexico	2018	Applied	'PBBRSP1381'
Morocco	2018	Applied	'PBBRSP1381'
Peru	2018	Granted	'PBBRSP1381'
USA	2017	Granted	'PBBRSP1381'

Prior Sales: First sold in the USA in October 2016

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

Raspberry (*Rubus idaeus*) variety 'PBBRSP1381'

Details of Application

Application Number	2018/327
Variety Name	'Areko'
Genus Species	*Prunus avium*
Common Name	Sweet Cherry
Synonym	Hamid
Accepted Date	11-Jan-2019
Applicant	Julius Kuhn-Institut (JKI), Federal Research Centre for Cultivated Plants, Quedlinberg, Allemagne, Germany
Agent	Australian Nurserymen's Fruit Improvement Company (ANFIC) Ltd., Kallangur, QLD
Qualified Person	Dr Gavin Porter

Details of Comparative Trial

Overseas Testing Authority	GEVES, France
Overseas Data Reference Number	4077395
Location	INRA Villenave d'Ornon (33), France
Descriptor	UPOV/TG/35/2
Period	2013-2017
Conditions	As according UPOV test guidelines
Trial Design	As according UPOV test guidelines
Measurements	As according UPOV test guidelines
RHS Chart - edition	n/a

Origin and Breeding

Controlled pollination: 1991 - cross pollination Kordia (isolated flowers) x Regina (collected pollen) 1991 - 1992 stratification of seeds (stones) 1992 - sowing and planting of seedling 1996 - 1998 - seedling selection (stage I) 2000 - 2004 - first clone selection (stage II) 2006 - 2012 - cultivar selection (stage III) 2013 - 2018 - application for PBR Bundessortenamt (BSA) / Community Plant Variety Office (CPVO). Breeder's: Dr Mirko Schuster, Julius Kuhn-Institut (JKI), Federal Research Centre for Cultivated Plants, Quedlinberg, Allemagne, Germany.

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	time of beginning of flowering	very late
Plant	time of beginning of fruit ripening	medium
Fruit	size	large to very large

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
Summit	
Van	

Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with X

	Organ/Plant Part: Context	'Areko'	'Summit'	'Van'
☐	Tree: vigour	medium		
☐	*Tree: habit	semi-upright		
☐	*Tree: branching	medium		
☐	One-year-old shoot: number of lenticels	few		
☐	Young shoot: anthocyanin colouration of tip	medium		
☐	Leaf blade: length	medium to long		
☐	Leaf blade: width	medium		
☐	*Leaf blade: ratio length/width	large to very large		
☐	Leaf blade: green colour of upper side	medium		
☐	*Leaf: length of petiole	long to very long		
☐	Leaf: ratio length of petiole/length of blade	medium to large		
☐	*Petiole: nectaries	present		
☐	Petiole: colour of nectaries	dark red		
☐	Flower: diameter of corolla	medium to large		
☐	Flower: shape of petal	broad elliptic		
☐	Flower: relative position of petal margins	free		
☐	*Fruit: size	large to very large		
☒	*Fruit: shape	elliptic	cordate	
☐	Fruit: pistil end	pointed		
☐	*Fruit: colour of skin	brown red		
☐	Fruit: size of lenticels on skin	small to medium		
☐	Fruit: number of lenticels on skin	many		
☐	Fruit: colour of juice	pink		
☐	Fruit: colour of flesh	red		
☐	*Fruit: firmness	medium		
☐	Fruit: acidity	high		
☐	Fruit: sweetness	medium		

☐	Fruit: juiciness	weak	
☒	*Fruit: length of stalk	medium	short
☐	Fruit: abscission layer between stalk and fruit	absent	
☐	Fruit: thickness of stalk	medium	
☐	*Stone: size	large	
☐	*Stone: shape	broad elliptic	
☐	*Stone: size relative to fruit	small	
☐	*Time of: flowering	very late	
☐	*Time of: fruit maturity	medium	

Characteristics Additional to the Descriptor/TG

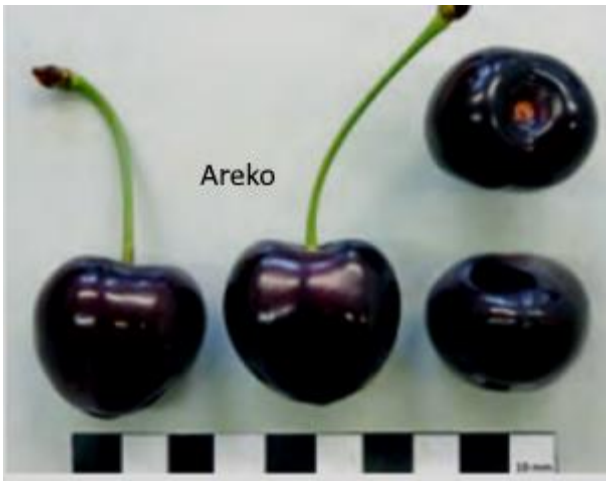
	Organ/Plant Part: Context	'Areko'	'Summit'	'Van'
☐	Fruit: Suture	strongly conspicuous		

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2017	Granted	'Areko'
USA	2019	Granted	'Areko'

First sold in the EU in October 2013

Description: Dr Gavin Porter, ANFIC, Kallangur, QLD



Sweet Cherry (*Prunus avium*) 'Areko'

Details of Application

Application Number	2018/358
Variety Name	'SQISITO'
Genus Species	*Cucumis sativus*
Common Name	Cucumber
Accepted Date	06-Mar-2019
Applicant	Nunhems B.V., Nunhem, NL
Agent	Spruson & Ferguson, Sydney, NSW 2001
Qualified Person	EAN BLACKWELL

Details of Comparative Trial

Overseas Testing Authority	Naktuinbouw, NL
Overseas Data Reference Number	KMK1234
Location	Naktuinbouw, ROELOFARENDSVEEN, NL
Descriptor	TP/61/2 d.d. 13-03-2008
Period	2017
Conditions	As per DUS test report
Trial Design	In accordance with TP/61/2 d.d. 13-03-2008
Measurements	In accordance with TP/61/2 d.d. 13-03-2008
RHS Chart - edition	

Origin and Breeding

Controlled pollination: Two doubled haploid lines were developed indoors, within the Nunhems long cucumber breeding program. The present variety was developed as a hybrid from these and tested in the Nunhems cucumber breeding program in The Netherlands and Spain. Breeder: Robert Swinkels, Nunhems B.V., Nunhem, NL

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	type	Dutch type Cucumber
Cotyledon	bitterness	absent
Plant	sex expression	gynoecious
Ovary	colour of vestiture	white
Parthenocarpy		present
Fruit	length	long
Fruit	ground colour of skin at market stage	green

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Bandama'	

Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with X

Organ/Plant Part: Context	'SQISITO'	'Bandama'
☐ Plant: growth type	indeterminate	
☐ Plant: total length of first 15 internodes	medium to long	
☐ Leaf: size of blade	medium	
☒ Leaf: intensity of green colour	dark to very dark	dark
☐ Leaf: blistering	medium to strong	
☐ Leaf: undulation of margin	absent or very weak	
☐ *Plant: sex expression	almost exclusively female flowers	
☐ Plant: number of female flowers per node	one to three	
☐ *Young fruit: colour of vestiture	white	
☐ *Parthenocarpy:	present	
☐ *Fruit: length	long	long
☐ Fruit: diameter	medium	
☐ Fruit: ratio length/diameter	large	
☐ Fruit: core diameter in relation to diameter of fruit	medium	
☐ *Fruit: predominant shape of stem end at market stage	necked	
☒ Fruit: length of neck	short	medium
☐ Fruit: shape of calyx end at market stage	obtuse	
☐ *Fruit: ground colour of skin at market stage	green	
☐ Fruit: intensity of ground colour of skin	medium to dark	
☐ *Fruit: ribs	absent	
☒ Fruit: vestiture	sparse to medium	very sparse to sparse
☐ Fruit: warts	absent	
☐ Fruit: stripes	absent	
☐ Fruit: length of peduncle	medium to long	
☐ Fruit: ground colour of skin at physiological ripening	yellow	
☐ Time of: development of female flowers	medium to late	

☐ *Cotyledon: bitterness	absent
☐ Resistance to: Cladosporium cucumerinum	present
☐ Resistance to: Cucumis Mosaic Virus (CMV)	present

Prior Applications and Sales:

Country	Year	Status	Name Applied
Europe	2016	Granted	'SQISITO'
NL	2016	Granted	'SQISITO'
South Africa	2018	Granted	'SQISITO'
Japan	2020	Applied	'RAADPHLE01'

First sold in Spain on 3rd Aug 2017

Description: EAN BLACKWELL, Spruson & Ferguson, Sydney

Cucumis sativus (Cucumber) variety 'SQISITO'

Details of Application

Application Number	2020/148
Variety Name	Mello Yellow
Genus Species	*Grevillea lanigera*
Common Name	Grevillea
Accepted Date	08-Sep-2020
Applicant	Grant Rankin, Hoddles Creek VIC
Qualified Person	Mark Lunghusen

Details of Comparative Trial

Location	Hoddles Creek, VIC
Descriptor	Grevillea NEW TG/325/1
Period	Jan to Sept 2020
Conditions	Plants were grown in open sided Polyhouse, in commercial pine bark potting mix, fertilised with controlled release fertiliser. Irrigated by overhead water as required.
Trial Design	10 plants in randomised design
Measurements	Taken from middle third stem
RHS Chart - edition	Fifth Edition

Origin and Breeding

Spontaneous mutation: In July 2016 a branch mutation from Grevillea lanigera fine leaf form appeared with a yellow flower that was different to the usual pink-red flower. Cuttings were taken from this mutation, propagated and grown on to determine distinctness, uniformity and stability. Further generations of cuttings have been taken to ensure stability with no off types recorded. Breeder Grant Rankin, Hoddles Creek Vic, Australia.

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	prostrate
Plant	height	very short
Plant	density of foliage	dense
Inflorescence	type	domed

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
Lanigera Fine Leaf Form	

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Mt Tamboritha'	Leaf	width	very narrow	medium	
'Coastal Gem'	Plant	habit	prostrate	bushy	
'Greenscape'	Plant	habit	prostrate	bushy	
'Jumbuck'	Plant	height	very short	tall	
Kangarutha form	Leaf	width	very narrow	medium	
Grevillea lanigera prostrate	Leaf	width	very narrow	medium	
Grevillea lanigera lutea	plant	height	very short	tall	

Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with X

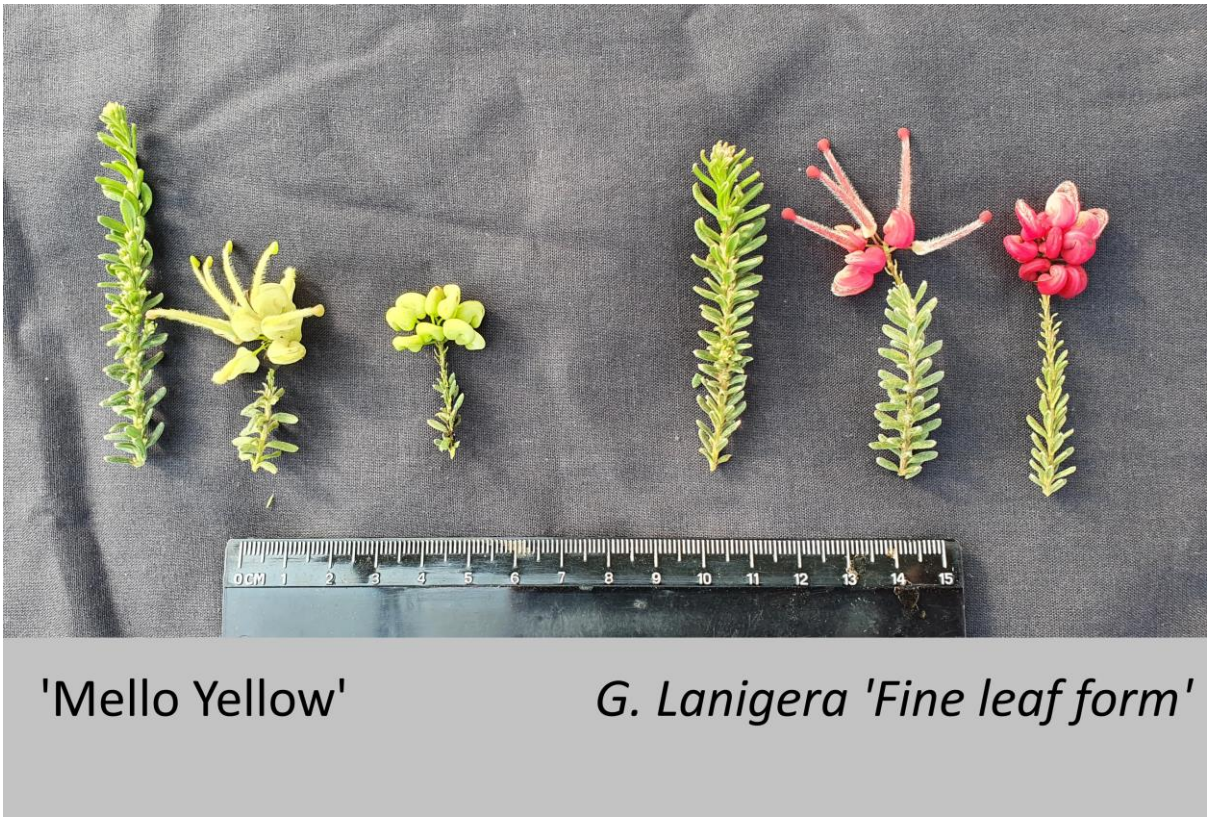
Organ/Plant Part: Context	'Mello Yellow'	Lanigera Fine Leaf Form
☐ Plant: habit	prostrate	prostrate
☐ Plant: height	very short	very short
☐ Plant: density of foliage	dense	dense
☐ Young stem: colour	green	green
☐ Stem: colour	green	green
☐ Leaf: attitude relative to stem	horizontal	horizontal
☐ Leaf: type of division of blade	entire	entire
☐ Leaf: blade shape	linear	linear
☐ Leaf: shape of apex	acute	acute
☐ Leaf: undulation of margin	very weak	very weak
☐ Leaf: profile in cross section	strongly recurved	strongly recurved
☐ Leaf: intensity of green colour of upper side	medium	medium
☐ Leaf: colour of lower side	light green	light green
☐ Leaf: hairiness of upper side	medium	medium
☐ Leaf: hairiness of lower side	medium	medium
☐ Leaf: colour of hairs on lower side	white	white
☐ Leaf: length of petiole	very short	very short
☐ Flowering branch: position of inflorescence	terminal only	terminal only
☐ Inflorescence: attitude	semi-erect	semi-erect
☐ Inflorescence: branching	absent or very weak	absent or very weak

☒ Inflorescence: length	medium	short
☒ Inflorescence: width	narrow	medium
☐ Inflorescence: sequence of flower opening	basipetal	basipetal
☒ Inflorescence: predominant colour	yellow	red
☐ Inflorescence: density of flowers	medium	sparse to medium
☒ Inflorescence: number of flowers	medium to many	few
☐ Inflorescence: length of rachis	short	short
☐ Pedicel: attitude in relation to rachis	leaning towards the apex	leaning towards the apex
☐ Pedicel: length	short	short
☐ Flower bud: attitude of limb in relation to longditudinal axis of bud	drooping	drooping
☒ Flower bud: colour of limb	yellow	red
☒ Flower bud: perianth colour	yellow	red
☐ Perianth: length	short	very short
☒ Perianth: width	narrow to medium	very narrow to narrow
☐ Perianth: hairiness	absent or very weak	absent or very weak
☐ Perianth: coherence of tepals on dorsal side	less than one third	less than one third
☐ Perianth: coherence of tepals on ventral side	greater than two thirds	greater than two thirds
☒ Perianth: colour	yellow	red
☐ Pistil: length	medium to long	medium to long
☐ Pistil: length in relation to length of perianth	moderately longer	moderately longer
☐ Ovary: hairiness	very strong	very strong
☐ Ovary: colour	yellow	yellow
☐ Style: curvature	straight	straight
☐ Style: hairiness	strong	strong
☐ Style: distribution of hair	concentrated towards ovary end	concentrated towards ovary end
☒ Style: colour	yellow	red
☒ Stigma: colour	green	pink
☐ Pollen presenter: shape	flat	flat
☒ Pollen presenter: colour	green	orange
☒ Pollen: colour	yellow	white

Prior Applications and Sales:

First sold in Australia, Oct 2019

Description: Mark Lunghusen, Wonga Park,VIC



Grevillea (*Grevillea lanigera*) – 'Mello Yellow' showing floral differences with comparator *G. lanigera 'Fine leaf form'*

Details of Application

Application Number	2020/149
Variety Name	'Amazing Grace'
Genus Species	*Grevillea* hybrid
Common Name	Laurel-leaf grevillea
Accepted Date	18-Aug-2021
Applicant	The Trustee for Go Bombers Trust, Hoddles Creek, VIC
Qualified Person	Mark Lunghusen

Details of Comparative Trial

Location	Hoddles Creek, VIC
Descriptor	Grevillea NEW TG/325/1
Period	Jan to Sept 2020
Conditions	Plants were grown in open sided Polyhouse, in commercial pine bark potting mix, fertilised with controlled release fertiliser. Irrigated by overhead water as required.
Trial Design	10 plants in randomised design
Measurements	Taken from middle third stem
RHS Chart - edition	Fifth Edition

Origin and Breeding

Open pollination followed by seedling selection: In December 2018 a seedling was observed near garden plants of the putative parent, Grevillea Aussie Crawl. Cuttings were taken from the seedling and grown on to determine distinctness, uniformity and stability. To date no off types have been recorded. Breeder Grant Rankin, Hoddles Creek Vic, Australia.

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	prostrate
Plant	height	very short/very short to short
Leaf	type of division of blade	primary
Leaf	shape	pinnatifid

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Aussie Crawl'	
'Bedspread'	
'Gaudi Chaudi'	

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Bronze Rambler'	Plant habit	prostrate	spreading	
'Nectar Delight'	Leaf type of division of blade	primary	secondary	
'Copper Crest'	Plant habit	prostrate	spreading	

Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with X

Organ/Plant Part: Context	'Amazing Grace'	'Aussie Crawl'	'Bedspread'	'Gaudi Chaudi'
☐ Plant: habit	prostrate	prostrate	prostrate	prostrate
☐ Plant: height	very short	very short	very short	very short to short
☒ Plant: density of foliage	medium	medium	sparse	medium
☐ Young sten: colour	purple	purple	purple	purple
☐ Stem: colour	purple	purple	purple	green
☐ Leaf: attitude relative to stem	semi-erect	semi-erect	semi-erect	semi-erect
☐ Leaf: type of division of blade	primary	primary	primary	primary
☒ Leaf: shape of apex	apiculate	apiculate	acute	apiculate
☒ Leaf: undulation of margin	very weak	weak	medium to strong	weak
☒ Leaf: depth of sinus of primary division	deep	deep	shallow	deep
☒ Leaf: width of sinus of primary division	narrow to medium	medium	broad	medium to broad
☐ Leaf: attitude of primary lobes in relation to midrib	semi-erect	semi-erect	semi-erect	semi-erect
☐ Leaf: shape of apex of sinus of primary division	pointed	pointed	pointed	pointed
☒ Leaf: length of lobe of primary division	long	short to medium	very short to short	medium
☒ Leaf: width of lobe of primary division	narrow to medium	medium to broad	medium	medium to broad
☐ Leaf: profile in cross section	flat or slightly recurved	strongly recurved	flat or slightly recurved	flat or slightly recurved
☐ Leaf: intensity of green colour of upper side	dark	medium	medium	medium

☐ Leaf: colour of lower side	medium green	light green	light green	medium green
☐ Leaf: hairiness of upper side	weak	weak	weak	weak
☐ Leaf: hairiness of lower side	weak	weak	weak	weak
☐ Leaf: colour of hairs on lower side	white	white	white	white
☐ Leaf: length of petiole	very short	very short	very short	very short to short

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	**'Amazing Grace'**	**'Aussie Crawl'**	**'Bedspread'**	**'Gaudi Chaudi'**
☒ Leaf: number of lobes	many	few	medium	few to medium
☐ Young Leaf: colour	purple	brown	brown	green

Prior Applications and Sales:

First sold in Australia, October 2019

Description: Mark Lunghusen, Wonga Park, VIC

Grevillea – 'Amazing Grace' showing foliar differences with comparator varieties 'Aussie crawl', 'Bedspread' and 'Gaudi Chaudi'

Details of Application

Application Number	2020/243
Variety Name	'EP-THERESA'
Genus Species	*Solanum tuberosum*
Common Name	Potato
Synonym	
Accepted Date	15-Jan-2021
Applicant	Bohm-Nordkartoffel Agrarproduktion GmbH & Co. OHG, Luneburg, Germany
Agent	Mitolo Group Pty Ltd, Virginia, SA
Qualified Person	John Fennell

Details of Comparative Trial

Location	Waikerie SA
Descriptor	Potato (Solanum tuberosum) TG/23/6
Period	August 2023 to March 2024
Conditions	Plantlets ex quarantine raised from tissue cultures and planted into potting mix in 200mm diameter plastic pots on 28 August 2023. Pots placed on benches in a screened polythene clad greenhouse
Trial Design	Sixty plants of the candidate and comparator varieties were planted and placed next to each other for direct visual comparison.
Measurements	Observations of foliage and flowers, where present, were taken on 13 October 2023. Tubers were harvested on 9 November 2023 and placed in cool store on 17 November 2023. Tubers were recorded on 28 January 2024. Tubers were returned to cool store, then placed under illumination and the developing lightsprouts were recorded and photographed on 21 March 2024.
RHS Chart - edition	

Origin and Breeding

Controlled pollination: The breeding line 'RJ 00/402/10' was pollinated by 'Georgina' in 2006 in the Bohm-Nordkartoffel Agrarproduktion GmbH & Co. OHG Potato Breeding Program at Bohlendorf, Germany. Subsequently selection trials occurred with the main selection criteria being marketable yield, maturity time, tuber appearance, disease resistances, cooking quality and storability. A breeding line was selected and released as 'Theresa' in 2016. Uniformity and stability was proven in trials at the Federal Plant Variety Office in Germany in 2013, 2014 and 2015. The name 'Theresa' was not available for use in Australia and PBR is being sought under the name 'EP-Theresa'. Breeder: Bohm-Nordkartoffel Agrarproduktion GmbH & Co. OHG, Luneburg, Germany

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	oval
Tuber	skin colour	yellow
Tuber	flesh colour	medium yellow

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Cardinia'	

Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with X

Organ/Plant Part: Context	'EP-THERESA'	'Cardinia'
☐ Lightsprout: size	medium to large	medium to large
☐ *Lightsprout: shape	ovoid	ovoid
☐ *Lightsprout: intensity of anthocyanin colouration	medium to strong	medium to strong
☒ *Lightsprout: proportion of blue in anthocyanin colouration of base	medium	absent or low
☐ *Lightsprout: pubescence of base	weak to medium	medium
☒ Lightsprout: size of tip in relation to base	medium	large
☒ Lightsprout: habit of tip	intermediate	open
☒ Lightsprout: anthocyanin colouration of tip	very weak to weak	medium
☒ Lightsprout: pubescence of tip	weak	medium to strong
☐ *Lightsprout: number of root tips	medium	few to medium
☐ Lightsprout: length of lateral shoots	very short to short	very short to short
☐ Plant: foliage structure	stem type	stem type
☐ *Plant: growth habit	upright to semi-upright	semi-upright
☐ *Stem: anthocyanin colouration	absent or very weak	absent or very weak
☐ Leaf: outline size	medium	medium to large
☐ Leaf: openness	open	intermediate to open
☐ Leaf: presence of secondary leaflets	weak to medium	weak
☐ Leaf: green colour	medium	medium to dark

☐ Leaf: anthocyanin colouration on midrib of upper side	absent or very weak	absent or very weak
☐ Second pair of lateral leaflets: size	small to medium	medium
☐ Second pair of lateral leaflets: width in relation to length	narrow to medium	medium
☒ Terminal and lateral leaflets: frequency of coalescence	low	very high
☐ Leaflet: waviness of margin	weak	weak
☐ Leaflet: depth of veins	shallow to medium	medium
☐ Leaflet: glossiness of the upperside	medium	medium to glossy
☐ Flower bud: anthocyanin colouration	absent or very weak	weak
☐ Plant: height	medium to tall	tall
☐ *Plant: frequency of flowers	low to medium	medium
☐ Inflorescence: size	small to medium	medium
☐ Inflorescence: anthocyanin colouration on peduncle	absent or very weak	very weak to weak
☐ Flower corolla: size	small to medium	small to medium
☐ *Flower corolla: intensity of anthocyanin colouration on inner side	absent or very weak	absent or very weak
☐ *Flower corolla: proportion of blue in anthocyanin colouration on inner side	absent or low	absent or low
☐ *Flower corolla: extent of anthocyanin colouration on inner side	absent or very small	absent or very small
☐ *Plant: time of maturity	early to medium	early
☐ *Tuber: shape	oval	oval
☐ Tuber: depth of eyes	shallow	shallow
☐ *Tuber: colour of skin	yellow	yellow
☐ *Tuber: colour of base of eye	yellow	yellow
☐ *Tuber: colour of flesh	medium yellow	medium yellow
☐ Tuber: anthocyanin colouration of skin in reaction to light (light beige and yellow skinned varieties only)	absent or very weak	very weak to weak

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	**'EP-THERESA'**	**'Cardinia'**
☒ Tuber: skin smoothness	rough	smooth

Prior Applications and Sales:

Country	Year	Status	Name Applied
Europe	2016	Granted	'THERESA'
South Africa	2019	Granted	'THERESA'

First sold in Germany on 27th Feb 2017 as 'THERESA'.

Description: John Fennell, Littlehampton, SA 5250.

Solanum tuberosum (Potato) variety 'EP-THERESA' with comparator 'Cardinia'

Details of Application

Application Number	2020/268
Variety Name	'Jon04'
Genus Species	*Hydrangea macrophylla*
Common Name	Hydrangea
Accepted Date	14 Jan 2021
Applicant	De Jong Plant B.V., Alfensvaart 11, Boskoop, 2771 NM, The Nether lands
Agent	Anthony Tesselaar Plants Pty Ltd., Monbulk Road, VIC
Qualified Person	Christopher Prescott

Details of Comparative Trial

Location	Monbulk Road, Silvan, VIC
Descriptor	TG/133/5 Hydrangea (NEW) *Hydrangea* L.
Period	November 2022 to October 2023
Conditions	Eight plants of the candidate and 8 plants of the comparator were planted individually into 200mm pots in a pine bark potting mix with a slow-release fertiliser. At the time of the first measurements, the pH of the media was approximately pH4. The plants had been grown in a commercial nursery in an open greenhouse with pest and disease treatment when required.
Trial Design	Eight 200mm pots of both the candidate and the comparator were selected at random from a larger population of potted plants.
Measurements	Measurements were taken at random
RHS Chart - edition	n/a

Origin and Breeding

Spontaneous mutation: 'Jon04' was discovered from a mutation from the parent *Hydrangea* 'Baroque Angel' in August 2012. Trials were initiated in May 2013 and the resultant seedling was selected in June 2014. All breeding and selection were carried out by, or under the supervision of Jos De Jong (Breeder) and were found to be stable and reproduced true to type in successive generations.

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	non-climbing
Plant	growth habit	semi-upright
Plant	height	medium to tall
Leaf blade	intensity of anthocyanin colouration	medium to strong
Leaf blade	main colour	dark green
Leaf blade	rugosity	medium

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Jon02'	

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Miss Saori'	Plantheight	medium to tall	short to medium	
'Baroque Angle'	Plantheight	medium to tall	short to medium	

Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with X

Organ/Plant Part: Context	'Jon04'	'Jon02'
☐ Plant: type	non-climbing	non-climbing
☐ Plant: growth habit	semi-upright	semi-upright
☐ Plant: height	medium to tall	medium to tall
☐ Plant: height in relation to width	as tall as broad	as tall as broad
☐ Stem: fasciation	absent	absent
☐ Stem: colour	green	green
☐ Stem: number of lenticels	absent or few	absent or few
☐ Stem: size of lenticels	small	small
☐ Stem: colour of lenticels	reddish	reddish
☐ Leaf blade: length	medium	medium
☐ Leaf blade: width	medium to board	broad
☐ Leaf blade: lobing	absent	absent
☒ Leaf blade: shape	ovate	circular
☐ Leaf blade: length of tip	medium	medium
☒ Leaf blade: shape of base	rounded	acute
☒ Leaf blade: depth of incisions on margin	medium	deep
☐ Leaf blade: intensity of anthocyanin coloration	medium	strong
☐ Leaf blade: distribution of anthocyanin coloration	throughout	throughout
☐ Leaf blade: variegation	absent	absent

☐ Leaf blade: main colour	dark green	dark green
☐ Leaf blade: secondary colour	none	none
☐ Leaf blade: glossiness	strong	strong
☐ Leaf blade: rugosity	medium	medium
☐ Leaf blade: shape in cross-section	concave	concave
☐ Petiole: colour	green	green
☐ Inflorescence: shape	globular	globular
☐ Inflorescence: height	medium	medium
☐ Inflorescence: width	medium	medium
☒ Inflorescence: conspicuousness of fertile flowers	absent or weak	strong
☐ Inflorescence: density of sterile flowers	medium	medium
☐ Sterile flower: diameter of calyx	medium	medium
☐ Sterile flower: number of sepals	only 4	only 4
☐ Sterile flower: attitude of sepals	semi-erect	semi-erect
☐ Sterile flower: shape of apex of sepals	rounded	rounded
☐ Sterile flower: rugosity of sepals	absent or weak	absent or weak
☐ Sterile flower: shape of sepals in cross-section	weakly concave	weakly concave
☐ Sterile flower: overlapping of sepals	medium	medium
☐ Sterile flower: undulation of sepals	absent or weak	absent or weak
☒ Sterile flower: incisions of margin of sepals	absent on all sepals	present on some sepals
☐ Sterile flower: depth of incisions of margin of sepals	shallow	shallow
☐ Sterile flower: secondary colour of inner side of sepals	white	white
☐ Sterile flower: distribution of secondary colour of inner side of sepals	in lower half	in lower half
☐ Sterile flower: pattern of secondary colour of inner side of sepals	solid	solid
☐ Fertile flower: colour of petals	pink	pink

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	**'Jon04'**	**'Jon02'**
☐ Sterile flower: main colour of inner side of sepals	pink	pink
☒ Inflorescence: ratio of fertile flowers to sterile flowers	all mostly sterile flowers	even amount of fertile and mostly sterile flowers

Prior Applications and Sales:

Country	Year	Status	Name Applied
New Zealand	2020	Applied	Jon02’
USA	2017	Granted	Jon02’

First sold in January 2017 in the USA

Description: Christopher Prescott, Prescott Roses, VIC

Hydrangea (Hydrangea macrophylla) – ‘Jon04’ is showing the differences with comparator ‘Jon02’ in leaf and flower characteristics

Details of Application

Application Number	2020/269
Variety Name	'Jon02'
Genus Species	*Hydrangea macrophylla*
Common Name	Hydrangea
Accepted Date	14 Jan 2021
Applicant	De Jong Plant B.V., Alfensvaart 11, Boskoop, 2771 NM, The Nether lands
Agent	Anthony Tesselaar Plants Pty Ltd., Monbulk Road, VIC
Qualified Person	Christopher Prescott

Details of Comparative Trial

Location	Monbulk Road, Silvan, VIC
Descriptor	TG/133/5 Hydrangea (NEW) *Hydrangea* L.
Period	November 2022 to October 2023
Conditions	Eight plants of the candidate and 8 plants of the comparator were planted individually into 200mm pots in a pine bark potting mix with a slow-release fertiliser. At the time of the first measurements, the pH of the media was approximately pH4. The plants had been grown in a commercial nursery in an open greenhouse with pest and disease treatment when required.
Trial Design	Eight 200mm pots of both the candidate and the comparator were selected at random from a larger population of potted plants.
Measurements	Measurements were taken at random
RHS Chart - edition	n/a

Origin and Breeding

Spontaneous mutation: 'Jon02' was discovered from a mutation from the parent *Hydrangea* 'Baroque Angel' in August 2012. Trials were initiated in May 2013 and the resultant seedling was selected in June 2014. All breeding and selection were carried out by, or under the supervision of Jos De Jong (Breeder) and were found to be stable and reproduced true to type in successive generations.

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	non-climbing
Plant	growth habit	semi-upright
Plant	height	medium to tall
Leaf blade	intensity of anthocyanin colouration	medium to strong
Leaf blade	main colour	dark green
Leaf blade	rugosity	medium

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Jon04'	

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Miss Saori'	Plant	height	medium to tall	short to medium	
'Baroque Angle'	Plant	height	medium to tall	short to medium	

Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with X

Organ/Plant Part: Context	'Jon02'	'Jon04'
☐ Plant: type	non-climbing	non-climbing
☐ Plant: growth habit	semi-upright	semi-upright
☐ Plant: height	medium to tall	medium to tall
☐ Plant: height in relation to width	as tall as broad	as tall as broad
☐ Stem: fasciation	absent	absent
☐ Stem: colour	green	green
☐ Stem: number of lenticels	absent or few	absent or few
☐ Stem: size of lenticels	small	small
☐ Stem: colour of lenticels	reddish	reddish
☐ Leaf blade: length	medium	medium
☐ Leaf blade: width	broad	medium to broad
☐ Leaf blade: lobing	absent	absent
☒ Leaf blade: shape	circular	ovate
☐ Leaf blade: length of tip	medium	medium
☒ Leaf blade: shape of base	acute	rounded
☒ Leaf blade: depth of incisions on margin	deep	medium
☐ Leaf blade: intensity of anthocyanin coloration	strong	medium
☐ Leaf blade: distribution of anthocyanin coloration	throughout	throughout
☐ Leaf blade: variegation	absent	absent
☐ Leaf blade: main colour	dark green	dark green
☐ Leaf blade: secondary colour	none	none
☐ Leaf blade: glossiness	strong	strong

☐ Leaf blade: rugosity	medium	medium
☐ Leaf blade: shape in cross-section	concave	concave
☐ Petiole: colour	green	green
☐ Inflorescence: shape	globular	globular
☐ Inflorescence: height	medium	medium
☐ Inflorescence: width	medium	medium
☒ Inflorescence: conspicuousness of fertile flowers	strong	absent or weak
☐ Inflorescence: arrangement of sterile flower	in one whorl	
☐ Inflorescence: density of sterile flowers	medium	medium
☐ Sterile flower: diameter of calyx	medium	medium
☐ Sterile flower: number of sepals	only 4	only 4
☐ Sterile flower: attitude of sepals	semi-erect	semi-erect
☐ Sterile flower: shape of apex of sepals	rounded	rounded
☐ Sterile flower: rugosity of sepals	absent or weak	absent or weak
☐ Sterile flower: shape of sepals in cross-section	weakly concave	weakly concave
☐ Sterile flower: overlapping of sepals	medium	medium
☐ Sterile flower: undulation of sepals	absent or weak	absent or weak
☒ Sterile flower: incisions of margin of sepals	present on some sepals	absent on all sepals
☐ Sterile flower: depth of incisions of margin of sepals	shallow	shallow
☐ Sterile flower: secondary colour of inner side of sepals	white	white
☐ Sterile flower: distribution of secondary colour of inner side of sepals	in lower half	in lower half
☐ Sterile flower: pattern of secondary colour of inner side of sepals	solid	solid
☐ Fertile flower: colour of petals	pink	pink

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Jon02'	'Jon04'
☐ Sterile flower: main colour of inner side of sepals	pink	pink
☒ Inflorescence: ratio of fertile flowers to sterile flowers	even amount of fertile and wholly sterile flowers	all wholly sterile flowers

Prior Applications and Sales:

Country	Year	Status	Name Applied
New Zealand	2020	Applied	Jon02'
USA	2017	Granted	'Jon02'

First sold in January 2017 in the USA

Description: Christopher Prescott, Prescott Roses, VIC

Hydrangea (*Hydrangea macrophylla*) – 'Jon02' is showing the differences with comparator 'Jon04' in leaf and flower characteristics

Details of Application

Application Number	2021/003
Variety Name	'JFS-KW187'
Genus Species	*Acer platanoides* x *truncatum*
Common Name	Maple
Synonym	Urban Sunset
Accepted Date	25-Feb-2021
Applicant	J Frank Schmidt and Son Co, Boring, OR, USA
Agent	Fleming's Nurseries, Monbulk, VIC
Qualified Person	Leanne Gillies

Details of Comparative Trial

Location	Monbulk, Victoria, Australia
Descriptor	PBR ACER
Period	2020-2024
Conditions	Trees of the candidate and comparator were budded and grown in traditional bare root nursery rows. They were then lifted and potted into above ground bags with industry standard soil-less potting media containing controlled release fertiliser. Trees were irrigated with individual spray stakes.
Trial Design	Side by side rows of trees.
Measurements	As per UPOV standards.
RHS Chart - edition	1986 - Grey Box.

Origin and Breeding

Open pollination: Open pollinated seedlings of *Acer truncatum* were planted and evaluated for form. Of the original 58 seedlings 8 were selected as being of interest and grown on for further evaluation. From these the best one was selected and named 'JFS-KW187'. Further propagation cycles showed the characteristics to be both desirable and stable. Breeder: Keith Warren, Boring, Oregon, 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**
Leaf	no. of lobes	medium to many

Most Similar Varieties of Common Knowledge identified (VCK)

Name	**Comments**
'Warren red'	

Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with X

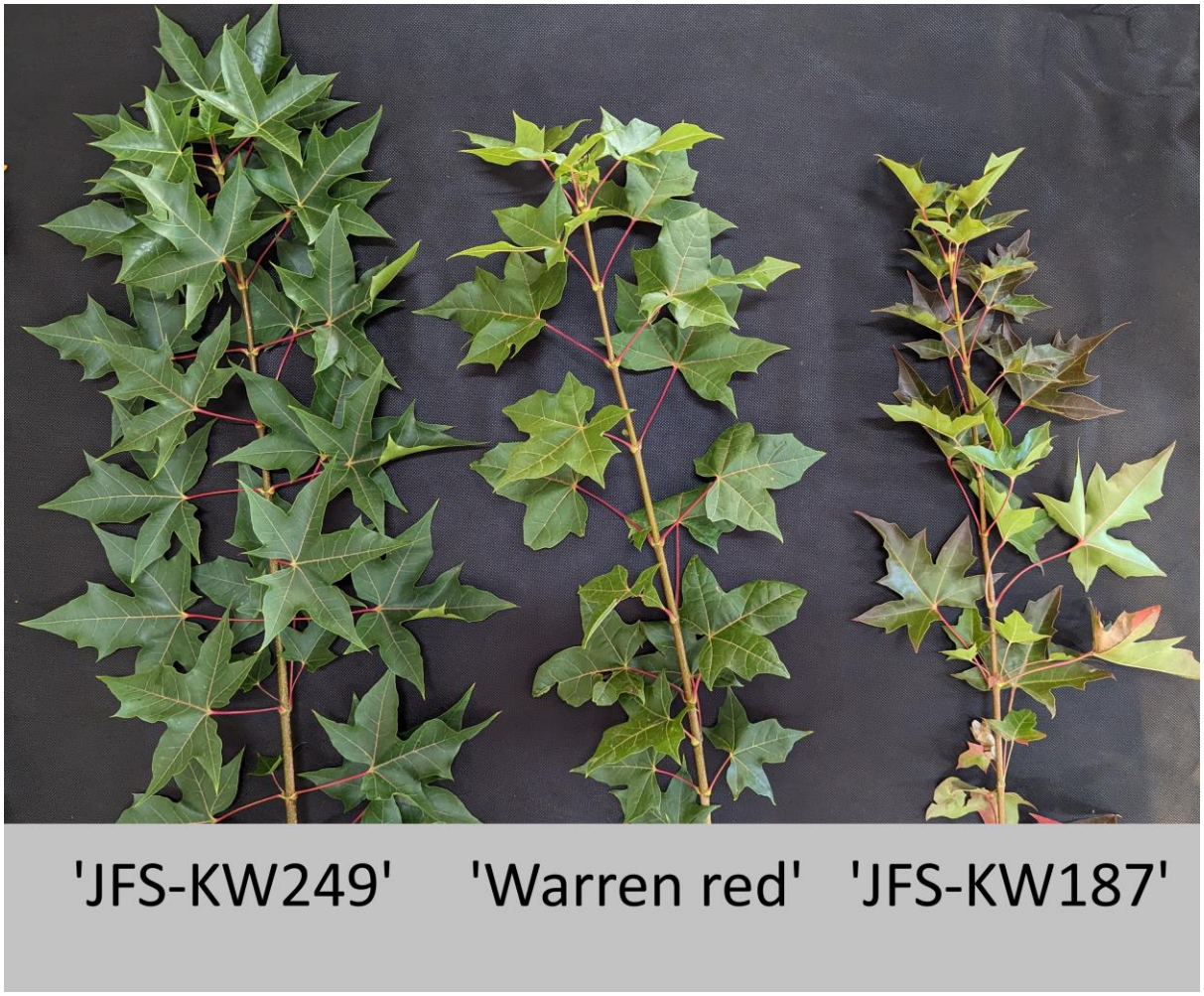
Organ/Plant Part: Context	JFS-KW187	Warrenred
☒ Plant: habit	narrow errect	spreading
☒ Plant: height	medium	tall
☒ Plant: density	medium to dense	medium
☐ Stem: colour of mature bark	grey brown	grey brown
☐ Stem: texture of bark	cracked (fissured)	cracked (fissured)
☐ Stem: glossiness of bark	not glossy	not glossy
☐ Stem: thickness of 1yr old stem	medium	thick
☒ Stem: colour of bark 1yr old stem	red purple	green brown
☐ Stem: presence of hairs new shoot	absent	absent
☐ Stem: length of internode 1yr old stem	medium	long
☐ Leaf: type	simple	simple
☐ Leaf: shape of leaf (simple leaves)	palmate	palmate
☐ Leaf: lobes	present	present
☐ Leaf: variation in no. of lobes	varied	varied
☐ Leaf: no. of lobes	medium to many	medium to many
☒ Leaf: depth of lobes	deep	medium
☒ Leaf: width of lobes	narrow to medium	medium to broad
☐ Leaf: bending of the margins	upward	upward
☐ Leaf: curvature of longitudinal axis	incurved	incurved
☐ Leaf: shape of tip	acuminate	acuminate
☐ Leaf: shape of base	truncate	truncate
☐ Leaf: length of mature leaf	medium	medium
☐ Leaf: width of mature leaf	medium	medium
☐ Leaf: presence of variegation	absent	absent
☐ Leaf: length of petiole	long	long
☐ Leaf: presence of hairs petiole	absent	absent

Prior Applications and Sales:

Country	Year	Status	Name Applied
USA	2015	Granted	'JFS-KW187'

First sold in USA, Feb 2015

Description: Leanne Gillies, Monbulk, VIC



Maple (*Acer platanoides x truncatum*) – 'JFS-KW187' showing differences in foliar and growth characteristics with comparators.

Details of Application

Application Number	2022/125
Variety Name	'PeppermintShake'
Genus Species	*Cordyline australis*
Common Name	Cordyline
Accepted Date	27-Sep-2022
Applicant	Sunplant Breeders Pty Ltd, Landsdale, WA
Agent	Australian Horticultural Services Pty Ltd, Wonga Park, VIC
Qualified Person	Mark Lunghusen

Details of Comparative Trial

Location	Wonga Park, VIC
Descriptor	Cordyline (Cordyline spp.) PBR CORD.
Period	July 2022 - October 2023; Full Comparative Trial Completed over Two Stages.
Conditions	Stage 1 took place on 13th of April 2023, where candidate and comparators had been growing outdoors in full sun. Stage 2 took place on 16th of October 2023, to specifically observe maturation of characteristics when growing in an unheated plastic greenhouse. Throughout both stages, candidate & comparator were examined in 30cm pots using commercially supplied pinepark potting media. Slow-release fertiliser was applied to each plant equally, with overhead watering when required.
Trial Design	10 plants in block design
Measurements	From Mature Leaves
RHS Chart - edition	Fifth Edition

Origin and Breeding

Spontaneous Mutation: In October 2008 a single plant of Cordyline Red Star produced a shoot with different leaf colours. This shoot was taken as a cutting, propagated and grown on. More plants were propagated by cuttings from this plant to determine stability and uniformity. It has since been propagated in tissue culture. Breeder John Tillbrook, Landsdale, WA, Australia.

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
Stem	branching	absent
Leaf	number of colours on upper side	two
Leaf	main colour on upper side (RHS colour chart)	146A

Leaf	secondary colour on upper side (RHS colour chart)	200A, 200B
Leaf	distribution of secondary colour on upper side	middle zone

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Chocolate Mint'	2006/313

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
Red Star	LeafVariegation	Present	Absent	

Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with X

Organ/Plant Part: Context	'PeppermintShake'	'Chocolate Mint'
☐ Plant: height of foliage	medium to tall	medium
☐ Stem: branching	absent	absent
☒ Leaf: length	short to medium	medium to long
☐ Leaf: width at broadest part	medium to broad	medium
☐ Leaf: number of colours on upper side	two	two
☐ Leaf: main colour of upper side (RHS Colour Chart)	146A	146A
☐ Leaf: secondary colour of upper side (RHS Colour Chart)	200A	200B
☐ Leaf: distribution of secondary colour on upper side	middle zone	middle zone
☒ Leaf: attitude of bottom half of leaf	erect	semi-erect to horizontal
☒ Leaf: attitude of top half of leaf	semi-erect	horizontal
☐ Plant: suckering	absent	absent
☐ Leaf: glossiness of upper side	weak	weak

Characteristics Additional to the Descriptor/TG

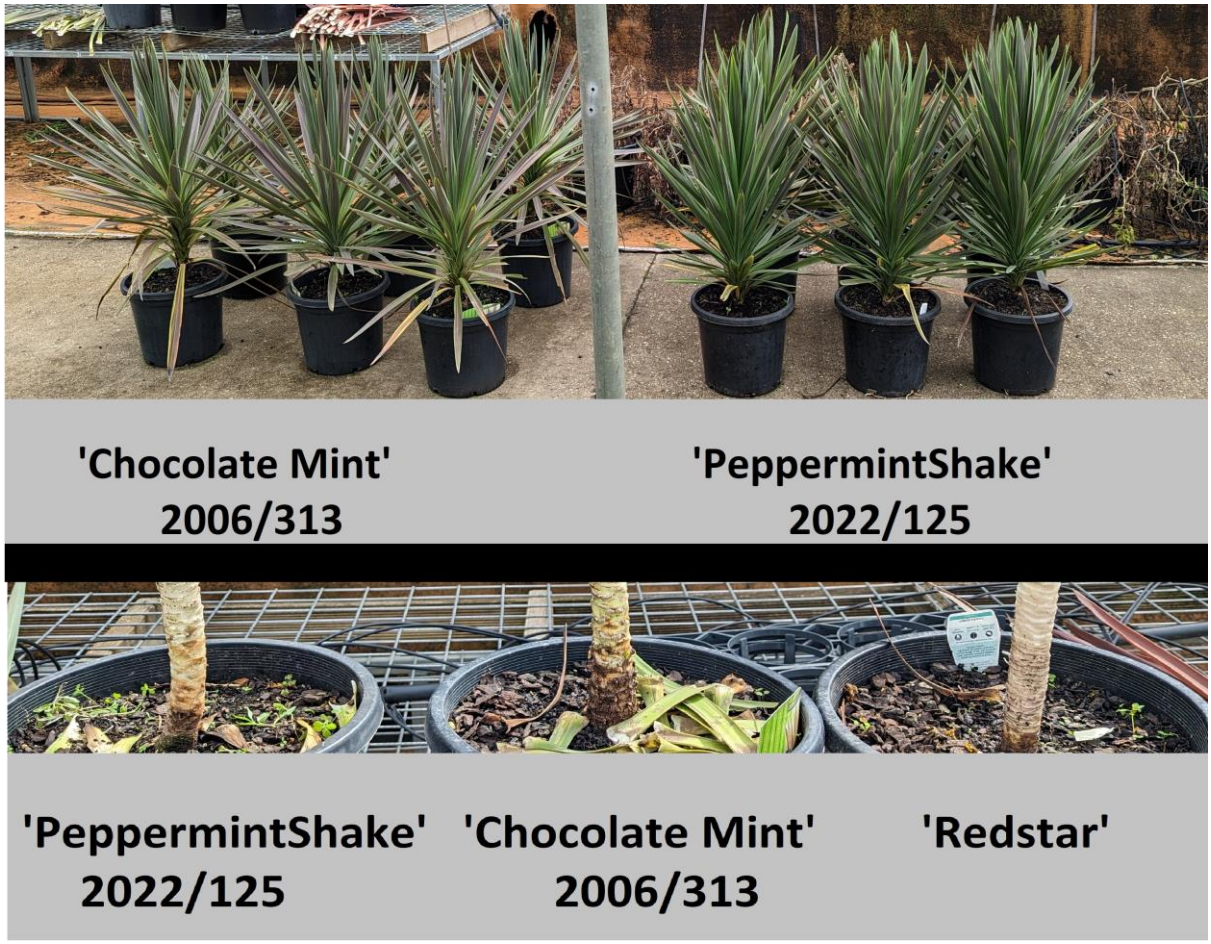
Organ/Plant Part: Context	'PeppermintShake'	'Chocolate Mint '
☒ Stem: Adventitious roots	absent	present
☒ Stem: Degree of roughness	weak	medium
☒ Stem: Length of internode at base	short	medium
☒ Leaf: Area of Secondary Colour	30-40%	60-70%
☐ Leaf: Main colour lower side	147B	147B

☐	Leaf: Secondary colour lower side	200B	200A
☒	Apical shoot: Colour of Top Third	149A	182B

Prior Applications and Sales:

First sold in Australia, May 2022

Description: Mark Lunghusen, Wonga Park, VIC



Cordyline (*Cordyline australis*) – 'PeppermintShake' showing differences in Foliar characteristics and growth habit with comparator 'Chocolate Mint'.

Details of Application

Application Number	2022/140
Variety Name	'WALKAMIN'
Genus Species	*Arachis hypogaea*
Common Name	Peanut
Accepted Date	17-Nov-2022
Applicant	Peanut Company of Australia Ltd, Kingaroy, QLD; Grains Research and Development Corporation, Barton, ACT; The State of Queensland through the Department of Agriculture and Fisheries, Brisbane, QLD
Qualified Person	Graeme Wright

Details of Comparative Trial

Location	Kingaroy Research Facility, Kingaroy, QLD
Descriptor	Peanut, Arachis hypogea, UPOV TG 93/3
Period	December 2022 - May 2023
Conditions	The trial at Qld Dept Agriculture and Fisheries Kingaroy Research Facility, Goodger Rd, Taabinga, was conducted under standard management practices using full irrigation, non-limiting fertiliser and full insect and foliar disease control.
Trial Design	120 plants of each of 5 cultivars (Walkamin G1 - generation harvested in 2021; Walkamin G2 - generation harvested in 2022; Menzies; Kairi; Alloway) in a Randomised Block Design with 4 replicates planted in 1 x 5m rows at Kingaroy Research Station.
Measurements	Physical characteristics, pod yield and grade measured and analysed. Mature pods/kernels harvested from each plot on ~ 26 May 2023. Pod and kernel widths and lengths (50 measurements of pods/kernels per plot) + 100 kernel weights (g) were determined. Analysis of variance (ANOVA) on data to be conducted with Genstat Release 10.

Origin and Breeding

Controlled pollination: P85-p112-151 is a F2:4 line derived from a 3-way cross of breeding line 'P62 F1' (made from a cross of) with breeding line 'D281-p52-256'. 'D281-p52-256' was a sister line of released variety, Kairi (D281-p40-236A), while P62 was a F1 plant derived from a cross of Farnsfield [MO40147] x D249-39-p70-70, a hi oleic, foliar disease tolerant breeding line developed by the QDAF-GRDC peanut breeding program. The (P85) cross was made in 2010-11 and F1 seed grown out in a winter field nursery at a farmer's field near Gordonvale in North Queensland in 2011. In the following summer (2011/12) in a field block at the QDAF Kingaroy Research Station some single F2 plant selections were made on the basis of pod and kernel characteristics. F3 seed from those single F2 plants was then planted as F2:3 rows on a field block at the QDAF Kingaroy Research Station in 2012/13. These rows were then further selected on the basis of high pod and kernel yield, high kernel % and pod and kernel characteristics. Subsequently, F2:4 single plants were grown out in a field block

at the at the QDAF Kingaroy Research Station in S. Qld summer of 2013/14, and F4:5 selections made for superior kernel yield and grade characters, along with late any observed leaf spot resistance. A single site F4:5 preliminary yield test was subsequently grown at the QDAF Kingaroy Research Station in S. Qld in the summer of 2014/15. A 2-site preliminary yield trial was then conducted in 2015/16 at QDAF Kingaroy Taabinga and Redvale Research Stations in S. Qld. The line was then tested over the following 5 years (2017 – 2021) in full season maturity regional variety evaluation trials and found to have superior kernel yield, grade out, late leaf spot tolerance and also Peanut Kernel Shrivel (PKS) tolerance compared to Holt and other full season maturity checks. Breeder: Dr Graeme Wright, Peanut Company of Australia Ltd, Kingaroy, 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	time to maturity	late
Kernel	oleic acid content	high
Kernel	main colour of testa	pink

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Menzies'	high oleic acid, late maturity, runner type
'Kairi'	high oleic acid, late maturity, large runner type
'Alloway'	high oleic acid, late maturity, large runner type

Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with X

Organ/Plant Part: Context	'WALKAMIN'	'Alloway'	'Kairi'	'Menzies'
☒ Plant: growth habit	semi erect	semi erect	semi erect	prostrate
☐ Plant: density	dense	dense	dense	dense
☐ Stem: anthocyanin colouration	absent or weak	absent or weak	absent or weak	absent or weak
☐ Main stem: presence of flowers	absent	absent	absent	absent
☐ Leaf: intensity of green colour	medium	medium	medium	medium
☐ Leaflet: length	medium	medium	medium	medium
☐ Leaflet: position of broadest part	at middle	at middle	moderately towards apex	at middle
☐ Leaflet: shape of apex	broad pointed	broad pointed	broad pointed	broad pointed
☐ Primary branch: flowering pattern	sequential	sequential	sequential	alternate
☒ Pod: constrictions	medium	weak	strong	medium
☒ Pod: reticulation of surface	medium	medium	strong	medium

☐ Pod: number of kernels	two	two	two	two
☐ Kernel: main colour of testa	brownish pink	brownish pink	brownish pink	brownish pink
☐ Kernel: presence of secondary colour of testa	absent	absent	absent	absent
☒ Kernel: 100 kernel weight	medium	high	high	low
☐ Pod: thickness of shell	thin	thin	medium	thin
☐ Plant: time of maturity	late	late	late	late

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	**'WALKAMIN'**	**'Alloway'**	**'Kairi'**	**'Menzies'**
☒ Growth Habit: Prominence of Rooster Tail	inconspicuous	inconspicuous	medium	very prominent
☒ Kernel: Length	medium	short	long	short
☒ Kernel: Width	medium	broad	medium	medium
☒ Kernel: Shape	cylindrical	spheroidal	cylindrical	spheroidal
☒ Pod: Prominence of Beak	inconspicuous	inconspicuous	very prominent	inconspicuous

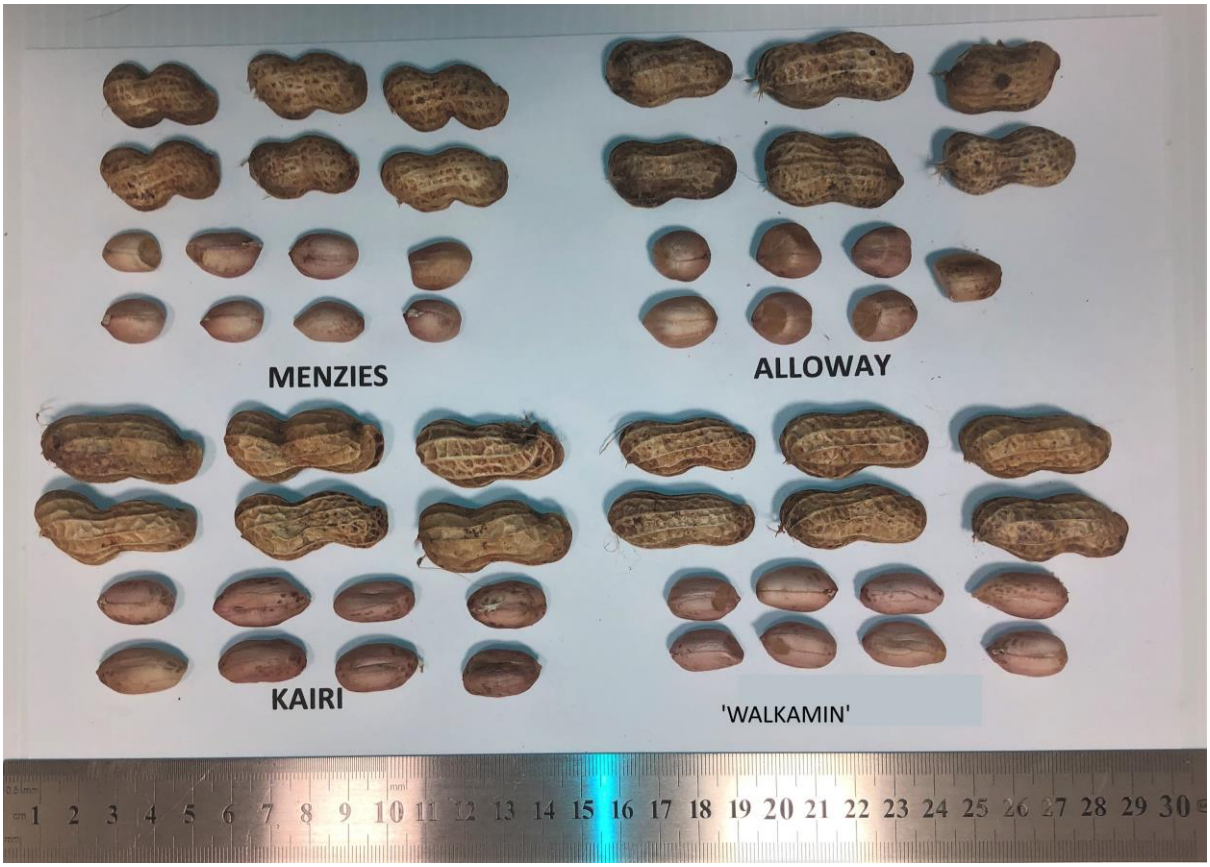
Statistical Table

Organ/Plant Part: Context	**'WALKAMIN'**	**'Alloway'**	**'Kairi'**	**'Menzies'**
☒ Kernel: Width (mm)				
Mean	10.65	12.13	11.43	10.95
Std. Deviation	0.05	0.18	0.28	0.27
LSD/sig	0.46	P≤0.01	P≤0.01	ns
☒ kernel: Length (mm)				
Mean	17.88	15.58	19.00	14.48
Std. Deviation	0.09	0.09	0.46	0.48
LSD/sig	0.83	P≤0.01	P≤0.01	p≤0.01
☒ Kernel: 100 Kernel Weight (gm)				
Mean	112.25	118.00	119.00	86.00
Std. Deviation	1.91	9.33	13.81	4.86
LSD/sig	17.09	ns	ns	P≤0.01

Prior Applications and Sales:

Nil

Description: Graeme Wright, Kingaroy, QLD



Peanut (*Arcahis hypogea*) – 'WALKAMIN' showing differences in pod and kernel characteristics with comparators 'Alloway', 'KAIRI' and 'Menzies'.

Details of Application

Application Number	2023/005
Variety Name	'BALTIC FIRE'
Genus Species	*Solanum tuberosum*
Common Name	Potato
Accepted Date	10-Feb-2023
Applicant	NORIKA-Nordring-Kartoffelzucht- und Vermehrungs-GmbH Gross Luesewitz, Germany
Agent	Elders Rural Services Australia Limited, Melbourne, Vic 3000
Qualified Person	John Fennell

Details of Comparative Trial

Location	Waikerie SA
Descriptor	Potato (Solanum tuberosum) TG/23/6
Period	August 2023 to March 2024
Conditions	Plantlets ex quarantine raised from tissue cultures and planted into potting mix in 200mm diameter plastic pots on 28 August 2023. Pots placed on benches in a screened polythene clad greenhouse
Trial Design	Sixty plants of the candidate and comparator varieties were planted and placed next to each other for direct visual comparison.
Measurements	Observations of foliage and flowers, where present, were taken on 13 October 2023. Tubers were harvested on 9 November 2023 and placed in cool store on 17 November 2023. Tubers were recorded on 28 January 2024. Tubers were returned to cool store, then placed under illumination and the developing lightsprouts were recorded and photographed on 21 March 2024.

RHS Chart - edition

Origin and Breeding

Controlled pollination: The variety 'Inara' was pollinated by breeding line '379-217-02' in July 2007 at the Norika Potato Breeding Program at Sanitz, Germany. Subsequently selection trials occurred at multiple sites with the main selection criteria being marketable yield, maturity time, tuber appearance, disease resistances, cooking quality and storability. Breeding line '421 207-08' was selected and released as 'Baltic Fire' in 2019. Breeder: NORIKA-Nordring-Kartoffelzucht- und Vermehrungs-GmbH Gross Luesewitz, Germany

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	oval
Tuber	skin colour	red
Tuber	flesh colour	medium to dark yellow
Flower	anthocyanin colouration	strong

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Merlot'	'

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Baltic Rose'	Flower colour	strong red	light red	
'Birgit'	Flower colour	strong red	light red	
'Laura'	Flower colour	strong red	light red	

Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with X

Organ/Plant Part: Context	'BALTIC FIRE'	'Merlot'
☐ Lightsprout: size	medium	medium to large
☒ *Lightsprout: shape	spherical	conical
☐ *Lightsprout: intensity of anthocyanin colouration	strong to very strong	strong
☐ *Lightsprout: proportion of blue in anthocyanin colouration of base	medium	medium
☐ *Lightsprout: pubescence of base	medium	medium
☐ Lightsprout: size of tip in relation to base	small to medium	medium
☒ Lightsprout: habit of tip	intermediate	closed
☐ Lightsprout: anthocyanin colouration of tip	strong to very strong	strong
☐ Lightsprout: pubescence of tip	weak to medium	medium
☒ *Lightsprout: number of root tips	medium to many	few to medium
☐ Lightsprout: length of lateral shoots	medium	medium to long
☐ Plant: foliage structure	intermediate type	intermediate type
☐ *Plant: growth habit	upright to semi-upright	semi-upright
☐ Leaf: outline size	medium	medium
☐ Leaf: openness	intermediate	intermediate
☐ Leaf: presence of secondary leaflets	medium to strong	medium
☒ Leaf: green colour	dark	medium
☐ Second pair of lateral leaflets: size	medium	medium
☒ Second pair of lateral leaflets: width in relation to length	medium to broad	narrow to medium
☐ Terminal and lateral leaflets: frequency of coalescence	very low to low	low

☐ Leaflet: waviness of margin	weak	very weak to weak
☐ Leaflet: depth of veins	medium	shallow to medium
☒ Leaflet: glossiness of the upperside	glossy	medium
☐ Flower bud: anthocyanin colouration	very weak to weak	medium
☐ Plant: height	medium to tall	tall
☐ *Plant: frequency of flowers	low	absent or very low
☐ Inflorescence: size	small	
☐ Inflorescence: anthocyanin colouration on peduncle	strong to very strong	
☐ Flower corolla: size	medium to large	
☐ *Flower corolla: intensity of anthocyanin colouration on inner side	strong to very strong	
☐ *Flower corolla: proportion of blue in anthocyanin colouration on inner side	absent or low	
☐ *Flower corolla: extent of anthocyanin colouration on inner side	large to very large	
☒ *Plant: time of maturity	medium	late
☐ *Tuber: shape	oval	oval
☐ Tuber: depth of eyes	shallow	shallow
☐ *Tuber: colour of skin	red	red
☐ *Tuber: colour of base of eye	red	red
☐ *Tuber: colour of flesh	medium yellow	medium yellow

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'BALTIC FIRE'	'Merlot'
☐ Tuber: skin smoothness	medium	medium

Prior Applications and Sales:

Country	Year	Status	Name Applied
Europe	2018	Granted	'BALTIC FIRE'
Russia	2020	pending	'BALTIC FIRE'
Ukraine	2021	pending	'BALTIC FIRE'

First sold in Germany on 1st of March 2019 as 'BALTIC FIRE'

Description: John Fennell, Littlehampton, SA 5250.

Solanum tuberosum (Potato) variety ‘BALTIC FIRE’ with comparator ‘Merlot’

Details of Application

Application Number	2023/006
Variety Name	'ELLAND'
Genus Species	*Solanum tuberosum*
Common Name	Potato
Accepted Date	23-Mar-2023
Applicant	Cygnet PB Ltd, Tayside, Scotland, UK
Agent	Elders Rural Services Australia Limited, Melbourne, Vic 3000
Qualified Person	John Fennell

Details of Comparative Trial

Location	Waikerie, SA
Descriptor	Potato (*Solanum tuberosum*) TG/23/6
Period	August 2023 to March 2024
Conditions	Plantlets ex quarantine raised from tissue cultures and planted into potting mix in 200mm diameter plastic pots on 28 August 2023. Pots placed on benches in a screened polythene clad greenhouse
Trial Design	Sixty plants of the candidate and comparator varieties were planted and placed next to each other for direct visual comparison.
Measurements	Observations of foliage and flowers, where present, were taken on 13 October 2023. Tubers were harvested on 9 November 2023 and placed in cool store on 17 November 2023. Tubers were recorded on 28 January 2024. Tubers were returned to cool store, then placed under illumination and the developing lightsprouts were recorded and photographed on 21 March 2024.
RHS Chart - edition	

Origin and Breeding

Controlled pollination: The variety 'Golden Millenium' was pollinated by 'Innovator' in 2007 in the Higgins Agriculture Potato Breeding Program contracted at the James Hutton Institute, Dundee, Scotland. Subsequently selection trials occurred at Elgin, Scotland and Doncaster, England with the main selection criteria being marketable yield, maturity time, tuber appearance, disease resistances, cooking quality and storability. Breeding line '07.Z.120..A11' was selected and released as 'Elland' in 2017. Breeder: M. Higgins Ltd, Yorkshire, 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
Tuber	shape	long oval
Tuber	flesh colour	light yellow
Tuber	Skin colour	light beige
Tuber	depth of eyes	medium
Flower	colour	white

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Innovator'	paternal parent and processing type

Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with X

Organ/Plant Part: Context	'ELLAND'	'Innovator'
☒ Lightsprout: size	small	medium to large
☒ *Lightsprout: shape	conical	broad cylindrical
☒ *Lightsprout: intensity of anthocyanin colouration	medium	weak
☐ *Lightsprout: proportion of blue in anthocyanin colouration of base	absent or low	absent or low
☐ *Lightsprout: pubescence of base	weak	medium to strong
☐ Lightsprout: size of tip in relation to base	small to medium	medium
☐ Lightsprout: habit of tip	intermediate	closed to intermediate
☐ Lightsprout: anthocyanin colouration of tip	absent or very weak	weak
☐ Lightsprout: pubescence of tip	absent or very weak	weak
☐ *Lightsprout: number of root tips	few to medium	few
☒ Lightsprout: length of lateral shoots	medium to long	short
☐ Plant: foliage structure	intermediate type	intermediate type
☐ *Plant: growth habit	semi-upright	semi-upright
☐ *Stem: anthocyanin colouration	absent or very weak	absent or very weak
☒ Leaf: outline size	small to medium	medium to large
☐ Leaf: openness	intermediate to open	open
☐ Leaf: presence of secondary leaflets	weak to medium	weak
☒ Leaf: green colour	medium	light
☐ Leaf: anthocyanin colouration on midrib of upper side	absent or very weak	absent or very weak
☒ Second pair of lateral leaflets: size	small	medium
☐ Second pair of lateral leaflets: width in relation to length	narrow to medium	narrow to medium
☐ Terminal and lateral leaflets: frequency of coalescence	absent or very low	low to medium
☐ Leaflet: waviness of margin	weak	weak
☐ Leaflet: depth of veins	medium	medium
☐ Leaflet: glossiness of the upperside	dull to medium	medium
☐ Flower bud: anthocyanin colouration	absent or very weak	absent or very weak
☐ Plant: height	medium to tall	medium to tall
☐ *Plant: frequency of flowers	high	high
☐ Inflorescence: size	large	large
☐ Inflorescence: anthocyanin colouration on peduncle	absent or very weak	absent or very weak
☐ Flower corolla: size	medium to large	large

☐ *Flower corolla: intensity of anthocyanin colouration on inner side	absent or very weak	absent or very weak
☐ *Flower corolla: proportion of blue in anthocyanin colouration on inner side	absent or low	absent or low
☐ *Flower corolla: extent of anthocyanin colouration on inner side	absent or very small	absent or very small
☐ *Plant: time of maturity	medium	early to medium
☐ *Tuber: shape	long-oval	long-oval
☐ Tuber: depth of eyes	medium	medium
☐ *Tuber: colour of skin	light beige	light beige
☐ *Tuber: colour of base of eye	yellow	yellow
☐ *Tuber: colour of flesh	light yellow	light yellow
☐ Tuber: anthocyanin colouration of skin in reaction to light (light beige and yellow skinned varieties only)	medium	absent or very weak

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	**'ELLAND'**	**'Innovator'**
☒ Tuber: skin smoothness	medium	rough

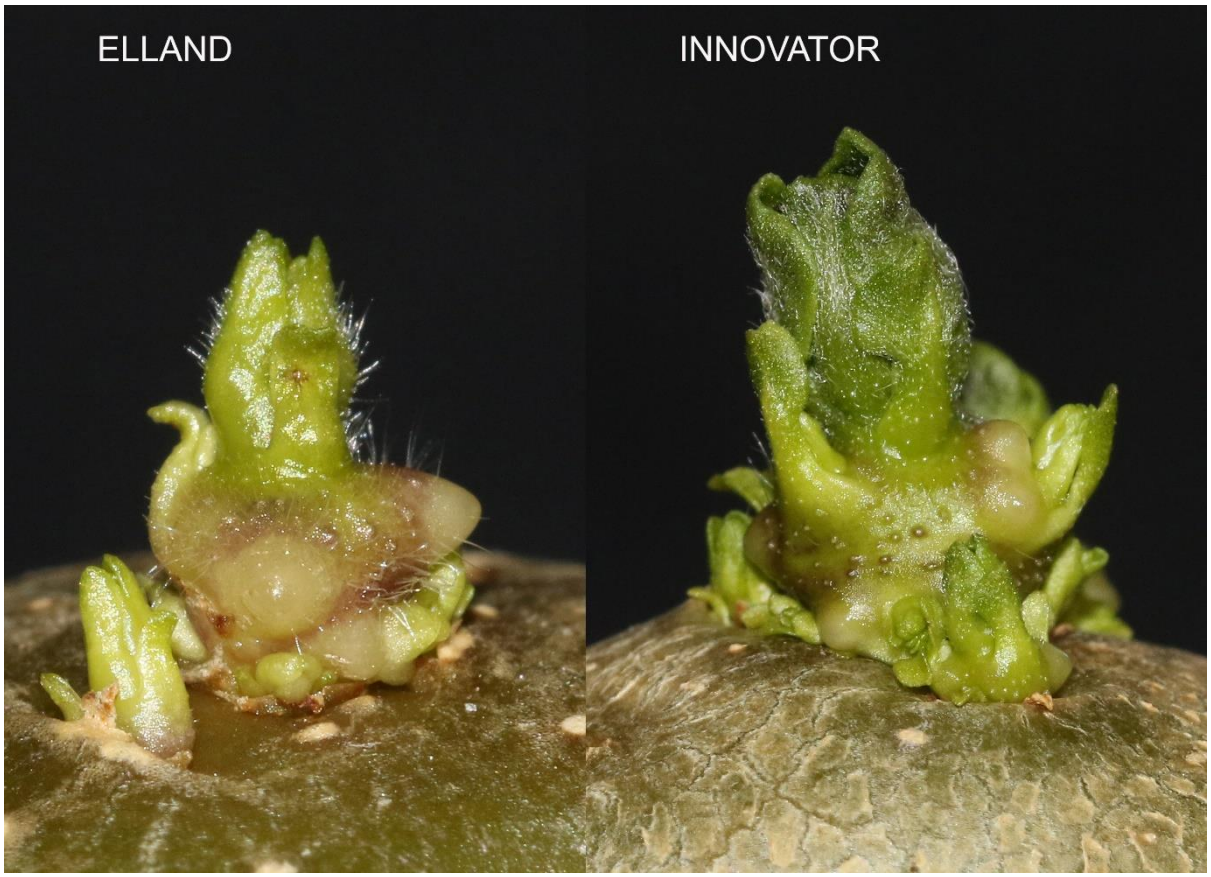
Prior Applications and Sales:

Country	**Year**	**Status**	**Name Applied**
Europe	2019	Granted	'ELLAND'

First sold in England on 10th Oct 2019 as 'ELLAND'

.

Description: John Fennell, Littlehampton, SA 5250.



Solanum tuberosum (Potato) variety ‘ELLAND’ with comparator ‘Innovator’

Details of Application

Application Number	2023/016
Variety Name	'Icevita'
Genus Species	*Lactuca sativa*
Common Name	Lettuce
Accepted Date	25-May-2023
Applicant	Syngenta Crop Protection AG, Basel, 4058, Switzerland
Agent	Syngenta Australia Pty. Ltd., Macquarie Park, NSW
Qualified Person	David Gillespie

Details of Comparative Trial

Overseas Testing Authority	Naktuinbouw, The Netherlands
Overseas Data Reference Number	SLA4139
Location	Naktuinbouw, ROELOFARENDSVEEN, The Netherlands
Descriptor	TP/13/6 Netherlands, adapted to UPOV/TG/13/11
Period	2019
Conditions	As according UPOV test guidelines
Trial Design	As according UPOV test guidelines
Measurements	As according UPOV test guidelines
RHS Chart - edition	n/a

Origin and Breeding

Controlled pollination: 'Icevita' was obtained from a cross between two Syngenta breeding lines. 'Icevita' was obtained after eight cycles of selection and fixation by self-pollination. During the first 4 cycles of selection the main criteria for selection were plant type, leaf thickness and bolting tolerance, in hot conditions and in addition, resistance genes for *Bremia lactucae* disease was obtained by Molecular Assistance Selection. For the next two cycles of selection the best types for tolerance to tip-burn and slow bolting were selected. Also the plant type for the upside of leaves and leaf thickness and plant shape were selected. Plant weight per head as defined an plant yield and the best yielding lines were selected. The last two cycles of selection concentrated on uniformity and stability of the variety. Field trials of small and large scale were conducted to find the best slot for production at each specific location. Breeder's: Syngenta Crop Protection AG, Basel, 4058, Switzerland.

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	frillice type
Seed	colour	black
Leaf blade	anthocyanin coloration	absent or very weak
Plant	time of bolting in spring 15% of plants	very late
Plant	Resistane to *Bremia lactucae* isolaat Bl: 16EU	present

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Danstar'	

Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with X

Organ/Plant Part: Context	'Icevita'	'Danstar'
☐ Seed: colour	black	
☐ Plant: diameter	small to medium	
☐ Plant: degree of overlapping of upper part of leaves	absent or weak	
☐ Plant: number of leaves	few	
☐ Leaf: attitude	erect	
☐ Leaf: number of divisions	absent or very few	
☐ Leaf: shape	medium elliptic	
☐ Leaf: shape of apex	rounded	
☐ Leaf: longditudinal section	flat	
☐ Leaf: anthocyanin colouration	absent or very weak	
☐ Leaf: colour	greyish green	
☒ Leaf: intensity of green colour	dark	medium to dark
☐ Leaf: glossiness of upper side	absent or very weak to weak	
☐ Leaf: thickness	thick	
☐ Leaf: blistering	absent or very weak	
☒ Leaf: undulation of margin	medium	strong
☐ Leaf: type of incisions of margin	irregularly dentate	
☐ Leaf: depth of incisions of margin	medium	
☐ Leaf: depth of secondary incisions of margin	shallow	
☒ Leaf: density of incisions of margin	medium	dense
☐ Leaf: venation	flabellate	
☐ Plant: time of beginning of bolting	very late	
☐ Plant: axillary sprouting	absent or weak	
☐ Bolting stem: fasciation	absent or very weak to weak	
☐ Resistance to *Bremia lactucae* (Bl) Isolate Bl: 16	present	
☐ Resistance to *Bremia lactucae* (Bl) Isolate Bl: 17	present	
☐ Resistance to *Bremia lactucae* (Bl) Isolate Bl: 20	present	
☐ Resistance to *Bremia lactucae* (Bl) Isolate Bl: 21	present	
☐ Resistance to *Bremia l*actucae (Bl) Isolate Bl: 22	present	
☐ Resistance to *Bremia lactucae* (Bl) Isolate Bl: 23	present	
☐ Resistance to *Bremia lactucae* (Bl) Isolate Bl: 24	present	
☐ Resistance to *Bremia lactucae* (Bl) Isolate Bl: 25	present	
☐ Resistance to *Bremia lactucae* (Bl) Isolate Bl: 26	present	
☐ Resistance to *Bremia lactucae* (Bl) Isolate Bl: 27	present	

☐ Resistance to *Bremia lactucae* (Bl) Isolate Bl: 29	present
☐ Resistance to *Bremia lactucae* (Bl) Isolate Bl: 30	present
☐ Resistance to *Bremia lactucae* (Bl) Isolate Bl: 31	present
☐ Plant: Resistance to *Lettuce mosaic virus* (*LMV*) Pathotype II	absent
☐ Resistance to *Nasonovia ribisnigri* (Nr): 0	present

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Icevita'	'Danstar'
☐ Plant: resistance to *Bremia lactucae* (Bl) Isolate 33EU	present	
☐ Plant: Resistance to *Bremia la*ctucae (Bl) Isolate 35EU	present	

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2019	Granted	'Icevita'
The Netherlands	2018	Granted	'Icevita'
UK	2019	Granted	'Icevita'

First sold in Switzerland in January 2019

Description: **David Gillespie**, Ormiston, QLD

Lettuce (*Lactuca sativa*) variety ‘Icevita’

Details of Application

Application Number	2023/079
Variety Name	DrisStrawEightySeven
Genus Species	*Fragaria* x *ananassa*
Common Name	Strawberry
Accepted Date	17-May-2023
Applicant	Driscoll's Inc., Watsonville, California, USA
Agent	AJ Park, Sydney, NSW
Qualified Person	Jennifer Moisander

Details of Comparative Trial

Overseas Testing Authority	USPTO
Overseas Data Reference Number	US PP33,738 P2
Location	Overseas data verified at 207 Saint Road, Ningi, QLD
Descriptor	Strawberry Fragaria L. TG/22/11 Rev.
Period	March 2024 - September 2024
Conditions	Asexual propagation of a plants - Tissue culture then runners(stolon) planted into plugs (misted tips) were grown in table tops, in coir bags in outside conditions. Plants were grown using good agronomic strawberry fruit production practices.
Trial Design	Block design grown with 'DrisStrawEightySix', 'DrisStrawEightyTwo' and 'DrisStrawFortySeven'.
Measurements	Measurements were taken at 6 months of growth from randomly selected plants in the growing area
RHS Chart - edition	5th Edition

Origin and Breeding

Controlled Pollination: This new strawberry plant was discovered in and selected in Hillsborough County, Florida, USA in January 2016. 'DrisStrawEightySeven' resulted from a cross between the female parent 'DrisStrawFiftyOne' (US Plant Patent No. PP29,730) and the proprietary Male parent '45AB129'(unpatented). The 'DrisStrawEightySeven' was subsequently asexually propagated via stolons (runners) and has undergone testing in Florida for six years and the present variety has been found to be stable and reproduce true to type through successive asexual propagations via stolons and tissue culture. Breeder's: Philip J. Stewart, Esther J. Kibbe, Raymond L. Jacobs III and Mary M. Calkins. Driscoll's 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
Petal	colour of upper side	white
Fruit	attitude of sepals	outwards
Fruit	shape	conic
Fruit	diameter of calyx in relation to the diameter of fruit	slightly larger to much larger

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'DrisStrawEightyTwo'	

‘DrisStrawEightySix’
‘DrisStrawFortySeven’

Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with X

Organ/Plant Part: Context	‘DrisStrawEightySeven’	‘DrisStrawEightySix’	‘DrisStrawEightyTwo’	‘DrisStrawFortySeven’
☐ Plant: growth habit	semi-upright to spreading	semi-upright to spreading	semi-upright	upright to semi-upright
☒ Plant: density of foliage	sparse	sparse	dense	dense
☒ Plant: vigour	medium	weak	medium to strong	strong
☐ Plant: position of inflorescence in relation to foliage	strongly above	strongly above	slightly above	strongly below
☐ Leaf: size	medium	medium	small to medium	small to medium
☐ Leaf: colour of upper side	medium green	medium green	dark green	dark green
☐ Leaf: rugosity	weak	weak	weak	weak
☐ Leaf: glossiness	absent or weak	absent or weak	absent or weak	absent or weak
☐ Terminal leaflet: length in relation to width	slightly longer than broad	slightly longer than broad	slightly longer than broad	slightly longer than broad
☒ Terminal leaflet: shape of base	obtuse	acute	obtuse	rounded
☐ Terminal leaflet: margin	serrate to crenate	serrate to crenate	serrate to crenate	crenate
☐ Terminal leaflet: depth of incisions of margin	medium	medium	medium	
☐ Leaf: profile in cross-section	concave	concave	straight	
☐ Petiole: length	medium	medium	short to medium	medium to long
☐ Petiole: attitude of hairs	outwards	outwards	upwards	
☐ Stipule: intensity of anthocyanin colouration	weak	weak	absent or very weak	very strong
☐ Flower: diameter	medium to large	large	medium	small
☐ Flower: arrangement of petals	overlapping	overlapping	overlapping	overlapping

☐ Flower: size of calyx in relation to corolla	large	large	large	large
☐ Flower: stamen	present	present	present	present
☐ Petal: shape	circular	circular	circular	circular
☐ Petal: ratio length/width	medium	medium	medium	
☐ Petal: colour of upper side	white	white	white	white
☐ Fruit: length in relation to width	long	long	medium	medium
☒ Fruit: size	medium to large	large	large to very large	small to medium
☐ Fruit: shape	conic	conic	conic	conic
☐ Fruit: position of maximum width	strongly towards calyx	strongly towards calyx	strongly towards calyx	
☐ Fruit: shape of apex	rounded	acute	acute	
☐ Fruit: shape at calyx end	flattened	flattened	flattened	
☐ Fruit: colour	medium red	medium red	medium red	
☐ Fruit: width of band without achenes	absent or very narrow	absent or very narrow	absent or very narrow	absent or very narrow
☐ Fruit: position of achenes	slightly below surface	slightly below surface	slightly below surface	level with surface
☐ Fruit: colour of achenes	red	red	red	
☐ Fruit: density of achenes	medium	medium	medium	
☒ Fruit: position of calyx attachment	inserted	inserted	level with fruit	inserted
☐ Fruit: attitude of sepals	outwards	outwards	outwards	outwards
☐ Fruit: diameter of calyx in relation to diameter of fruit	much larger	much larger	slightly larger	slightly larger
☒ Fruit: colour of flesh	light pink	orange red	light red	light pink
☐ Fruit: colour of core	light red	light red	white	white
☒ Time of beginning of: flowering	very early	very early	early	medium

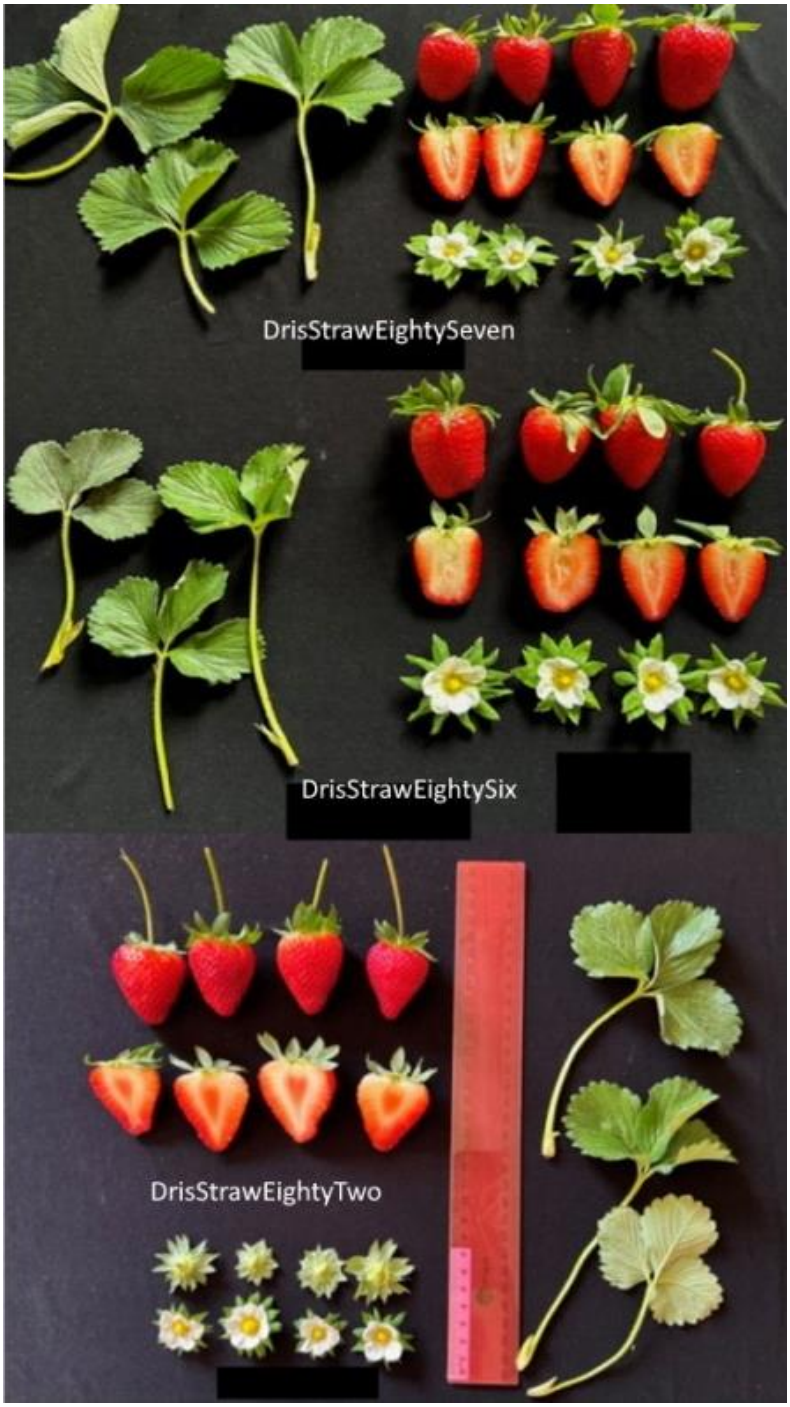
☒ Time of beginning of: fruit ripening	very early	very early	early	medium
☐ Flowering: runners	present	present	present	

Prior Applications and Sales:

Country	Year	Status	Name Applied
Mexico	2021	Granted	'DrisStrawEightySeven'
USA	2021	Granted	'DrisStrawEightySeven'

Prior Sales: Nil

Description: Jenny Moisander, Landershute Road, Palmwoods, QLD.



Strawberry (Fragaria x ananassa) variety ‘DrisStrawEightySeven’(upper one) with comparators

Details of Application

Application Number	2023/080
Variety Name	'DrisStrawEightySix'
Genus Species	*Fragaria* x *ananassa*
Common Name	Strawberry
Accepted Date	17-May-2023
Applicant	Driscoll's Inc., Watsonville, California, USA
Agent	AJ Park, Sydney, NSW
Qualified Person	Jennifer Moisander

Details of Comparative Trial

Overseas Testing Authority	USPTO
Overseas Data Reference Number	US PP33,513 P2
Location	Overseas data verified at 207 Saint Road, Ningi, QLD
Descriptor	Strawberry Fragaria L. TG/22/11 Rev.
Period	March 2024 - September 2024
Conditions	Asexual propagation of plant, then grown on table tops, in substrate under outside weather conditions. Standard strawberry fruit growing practises were employed.
Trial Design	Plants of the 'DrisStrawEightySix' were grown in a block design along with 'DrisStrawEightyTwo, 'DrisStrawEightySeven' and 'DrisStrawFortySeven'.
Measurements	Measurements were taken from 6-month-old plants randomly selected from the growing area.
RHS Chart - edition	5th Edition

Origin and Breeding

Controlled Pollination: This new Strawberry plant variety was discovered in and selected in Hillsborough County, Florida in January 2016. It originated from a cross between the female parent 'DrisStrawFiftyOne' (U.S. Patent No. PP29,730) and the male parent 'DrisStrawSixtyFour'(U.S.Patent NO. PP30,396). DrisStrawEightSix was asexually propagated and grown in the USA for 4 years prior to shipping to Australia. It was found to be stable and true to type in the USA during that time through successive asexual propagation by both tissue culture and stolon/runner propagation. Breeder's: Philip J. Stewart, Esther J. Kibbe, Raymond L. Jacobs III and Mary M. Calkins. Driscoll's 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
Petal	colour of upper side	white
Fruit	shape	conic
Fruit	attitude of sepals	outwards

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'DrisStrawEightySeven'	
'DrisStrawEightyTwo'	
'DrisStrawFourtySeven'	

Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with X

Organ/Plant Part: Context	'DrisStrawEightySix'	DrisStrawEightySeven'	'DrisStrawEightyTwo'	'DrisStrawFourtySeven'
☐ Plant: growth habit	semi-upright to spreading	semi-upright to spreading	semi-upright	upright to semi-upright
☒ Plant: density of foliage	sparse	sparse	dense	dense
☒ Plant: vigour	weak	medium	medium to strong	strong
☐ Plant: position of inflorescence in relation to foliage	slightly above	strongly above	slightly above	slightly below
☐ Leaf: size	medium	medium	small to medium	small to medium
☐ Leaf: colour of upper side	medium green	medium green	dark green	dark green
☐ Leaf: rugosity	weak	weak	weak	weak
☐ Leaf: glossiness	absent or weak	absent or weak	absent or weak	absent or weak
☐ Terminal leaflet: length in relation to width	slightly longer than broad	slightly longer than broad	slightly longer than broad	slightly longer than broad
☒ Terminal leaflet: shape of base	acute	obtuse	obtuse	rounded
☐ Terminal leaflet: margin	serrate to crenate	serrate to crenate	serrate to crenate	crenate
☐ Terminal leaflet: depth of incisions of margin	medium	medium	medium	
☐ Leaf: profile in cross-section	concave	concave	straight	
☐ Petiole: length	medium	medium	short to medium	medium to long
☐ Petiole: attitude of hairs	outwards	outwards	upwards	
☐ Stipule: intensity of anthocyanin colouration	weak	weak	absent or very weak	medium
☒ Flower: diameter	large	medium to large	medium	medium
☐ Flower: arrangement of petals	overlapping	overlapping	overlapping	overlapping
☐ Flower: size of calyx in relation to corolla	large	large	large	same size
☐ Flower: stamen	present	present	present	present
☐ Petal: shape	circular	circular	circular	circular
☐ Petal: ratio length/width	medium	medium	medium	
☐ Petal: colour of upper side	white	white	white	white
☐ Fruit: length in relation to width	long	long	medium	medium

☐ Fruit: size	large	medium to large	large to very large	small to medium
☐ Fruit: shape	conic	conic	conic	conic
☐ Fruit: position of maximum width	strongly towards calyx	strongly towards calyx	strongly towards calyx	
☐ Fruit: shape of apex	acute	rounded	acute	
☐ Fruit: shape at calyx end	flattened	flattened	flattened	
☐ Fruit: colour	medium red	medium red	medium red	
☐ Fruit: width of band without achenes	absent or very narrow	absent or very narrow	absent or very narrow	absent or very narrow
☐ Fruit: position of achenes	slightly below surface	slightly below surface	slightly below surface	level with surface
☐ Fruit: colour of achenes	red	red	red	
☐ Fruit: density of achenes	medium	medium	medium	
☒ Fruit: position of calyx attachment	inserted	inserted	level with fruit	inserted
☐ Fruit: attitude of sepals	outwards	outwards	outwards	outwards
☐ Fruit: diameter of calyx in relation to diameter of fruit	much larger	much larger	slightly larger	slightly larger
☒ Fruit: colour of flesh	orange red	light pink	light red	light pink
☐ Fruit: colour of core	light red	light red	white	white
☒ Time of beginning of: flowering	very early	very early	early	medium
☒ Time of beginning of: fruit ripening	very early	very early	early	medium
☐ Flowering: runners	present	present	present	

Prior Applications and Sales:

Country	Year	Status	Name Applied
Mexico	2021	Granted	'DrisStrawEightySix'
USA	2021	Granted	'DrisStrawEightySix'

Prior Sales: Nil

Description: Jenny Moisander, Landershute Road, Palmwoods, QLD.

Strawberry (*Fragaria x ananassa*) variety ‘DrisStrawEightySix’ (middle one) with comparators

Details of Application

Application Number	2023/081
Variety Name	'DrisBlueTwentyThree'
Genus Species	*Vaccinium corymbosum*
Common Name	Blueberry
Accepted Date	25-May-2023
Applicant	Driscoll's Inc., Watsonville, California, USA
Agent	AJ Park, Sydney, NSW
Qualified Person	Jennifer Moisander

Details of Comparative Trial

Overseas Testing Authority	USPTO
Overseas Data Reference Number	PP32,876 P2
Location	Berry Exchange, Range Road, Corindi NSW 2456
Descriptor	TG/137/5 Rev
Period	October, 2022 - August, 2024
Conditions	Grown in substrate under plastic tunnels using standard blueberry growing practices
Trial Design	Randomised Block Design used to verify United States published description
Measurements	Taken from randomly selected plants in accordance with UPOV terminology and guidelines
RHS Chart - edition	n/a

Origin and Breeding

Controlled pollination: Blueberry variety 'DrisBlueTwentyThree' was discovered in Hillsborough County, Fla. in April of 2013 and originated from a controlled cross between the proprietary female parent blueberry plant '196H 3' (unpatented) and the proprietary male parent blueberry plant '75J301' (unpatented). The original seedling of the new variety was first asexually propagated via softwood cuttings in Santa Cruz County, California in July of 2013. 'DrisBlueTwentyThree' was subsequently asexually propagated via softwood cuttings and tissue culture and underwent further testing in Ventura County, Calif. for five years (2014 to 2019). The present blueberry variety has been found to be stable and reproduce true to type through successive asexual propagations via softwood cuttings and tissue culture. Breeder's: Bruce D. Mowrey; Esther J. Kibbe; Marta C. Baptista; Raymond L. Jacobs III; Sarah Wool; James Olmstead. Driscoll's 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
Infructescence	density	medium-dense to dense
Plant	vigour	medium
Fruit	intensity of bloom	strong
Plant	fruiting type	on one year old and current shoots
One-year old shoot	colour	green

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

Name	Comments
'C00-09'	

Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with X

Organ/Plant Part: Context	'DrisBlueTwentyThree'	'C00-09'
☐ Plant: vigour	medium	medium
☒ Plant: growth habit	semi-upright	spreading
☐ One-year-old shoot: colour	green	green
☐ One-year-old shoot: length of internode	medium	medium
☐ Leaf: length	medium	medium
☐ Leaf: width	narrow	medium to broad
☐ Leaf: ratio length/width	medium	medium
☐ Leaf: shape	ovate	ovate
☐ Leaf: colour of upper side	dark green	medium green
☐ Leaf: margin	entire	entire
☒ Inflorescence: length	short	long
☐ Flower: shape of corolla	globose	ovoid
☐ Flower: size of corolla tube	medium	large
☐ Flower: colour of corolla tube	white	white
☐ Flower: anthocyanin colouration of corolla tube on outer side	absent or very weak	absent or very weak
☐ Flower: conspicuousness of ridges on corolla tube	absent or weak	medium
☐ Flower: colour of receptacle	green	green
☐ Infructescence: density	medium to dense	dense
☐ Unripe fruit: intensity of green colour	light to medium	light
☐ Fruit: size	medium to large	large to very large
☐ Fruit: shape in longitudinal section	oblate	oblate
☐ Fruit: attitude of sepals	incurved	incurved
☐ Fruit: diameter of calyx basin	medium	medium
☒ Fruit: depth of calyx basin	absent or shallow	deep
☐ Fruit: intensity of bloom	strong	strong
☐ Fruit: colour of skin	blackish blue	blackish blue
☐ Fruit: firmness	medium	medium
☐ Fruit: sweetness	high	medium to high
☐ Fruit: acidity	low	medium
☐ Plant: fruiting type	on one-year-old and current shoots	on one-year-old and current shoots
☒ Plant: time of beginning of vegetative growth	very late	medium

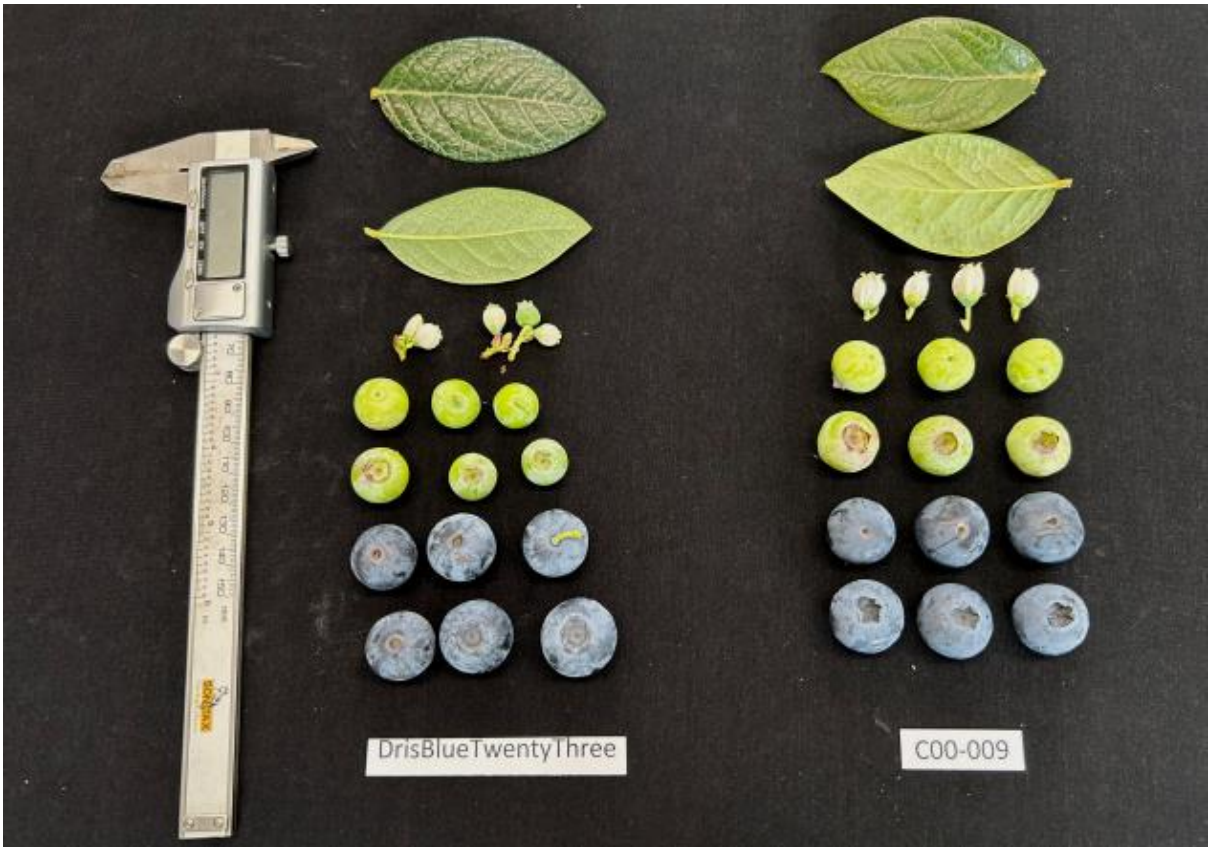
☒ One-year-old shoot: time of beginning of flowering	medium	early
☐ Current season's shoot: time of beginning of flowering	medium	early
☒ One-year-old shoot: time of beginning of fruit ripening	medium	early
☐ Current season's shoot: time of beginning of fruit ripening	medium	early

Prior Applications and Sales:

Country	Year	Status	Name Applied
Canada	2020	Applied	DrisBlueTwentyThree’
China	2020	Applied	DrisBlueTwentyThree’
Chile	2021	Applied	DrisBlueTwentyThree’
EU	2020	Applied	DrisBlueTwentyThree’
Mexico	2020	Granted	DrisBlueTwentyThree’
Morocco	2022	Applied	DrisBlueTwentyThree’
Peru	2021	Applied	DrisBlueTwentyThree’
South Africa	2020	Applied	DrisBlueTwentyThree’
USA	2020	Granted	DrisBlueTwentyThree’

Nil Prior Sales

Description: Jenny Moisander, Landershute Road, Palmwoods, QLD.



Blueberry (*Vaccinium corymbosum*) variety ‘DrisBlueTwentyThree’ with comparator ‘C00-09’

Details of Application

Application Number	2023/082
Variety Name	'DrisBlackTwenty'
Genus Species	*Rubus* subgenus *Rubus*
Common Name	Blackberry
Accepted Date	25-May-2023
Applicant	Driscoll's Inc., Watsonville, California, USA
Agent	AJ Park, Sydney, NSW
Qualified Person	Jenny Moisander

Details of Comparative Trial

Overseas Testing Authority	USPTO
Overseas Data Reference Number	US PP31,826 P2
Location	Oversea data verified at Berry Exchange, Range Road, Corindi, NSW
Descriptor	Blackberry TG/73/7
Period	April 2024 - August 2024
Conditions	Plants were grown under tunnel using standard blackberry production agronomic guidelines.
Trial Design	Randomised block design
Measurements	Measurements and observations were taken from randomly selected plants
RHS Chart - edition	n/a

Origin and Breeding

Controlled pollination: 'DrisBlackTweny' was selected in Los Reyes, Mexico in March of 2011 and originated from a cross between the proprietary female parent Blackberry plants 'BN843.2' (unpatented) and the proprietary male parent Blackberry plant 'BL481.3' (unpatented). The original seedling of the new variety was first asexually propagated via root cuttings in Los Reyes, Mexico in March of 2011. 'DrisBlackTwenty'' was subsequently asexually propagated via root cuttings, and underwent testing at a test plot in Los Reyes, Mexico form 2012-2018 (6 years). The present variety has been found to be stable and reproduce true to type through successive asexual propagations via root cuttings and tissue culture. Breeder's: Gavin R. Sills; Mark F. Crusha; Missael Bonifacio Romero Escobedo, Driscoll's 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
Flower	colour of petal	white
Dormant Cane	spines	absent
Terminal Leaflet	lobing	absent
Leaf	type	palmate
Leaf	predominant number of leaflets	three

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'DrisBlackSix'	

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'DrisBlackSeventeen'	Fruit: ratio length/width	small	medium to large	
'Tupy'	Dormant cane: spines	absent	present	

Variety Description and Distinctness – Characteristics which distinguish the candidate from one or more of the comparators are marked with X

Organ/Plant Part: Context	'DrisBlackTwenty'	'DrisBlackSix'
☒ *Plant: growth habit	upright to semi-upright	semi-upright to spreading
☐ Dormant cane: diameter	large	medium
☐ *Dormant cane: anthocyanin colouration	absent or very weak	medium
☐ Dormant cane: number of branches	medium	medium to many
☐ Dormant cane: predominant distribution of branches	over whole length	over whole length
☐ *Dormant cane: cross section	rounded to angular	rounded
☐ *Dormant cane: spines	absent	absent
☒ Young shoot: anthocyanin colouration	very weak to weak	strong
☐ Young shoot: intensity of green colour	light	light to medium
☐ Young shoot: number of glandular hairs	absent or few	medium
☐ Terminal leaflet: lobing	absent	absent
☐ Terminal leaflet: shape in cross-section	u-shaped	u-shaped
☐ Terminal leaflet: undulation of margin	weak to medium	very weak to weak
☐ Terminal leaflet: blistering between veins	medium	weak
☐ Leaflet: type of incision of margin	bi-serrate	bi-serrate
☐ Leaflet: depth of incisions	medium	medium
☐ *Leaf: predominant number of leaflets	three	three
☐ *Leaf: type	palmate	palmate
☐ Leaf: intensity of green colour of upper side	medium	medium
☐ Leaf: glossiness of upper side	weak	weak
☐ Petiole: size of stipules	medium	medium
☐ Flower: diameter	medium	medium
☐ Flower: colour of petal	white	white
☐ Fruiting lateral: length	medium	long
☐ Fruit: length	medium	medium to long
☐ Fruit: width	broad	medium
☒ Fruit: ratio length/width	small	large
☐ Fruit: size of drupelet	medium	medium

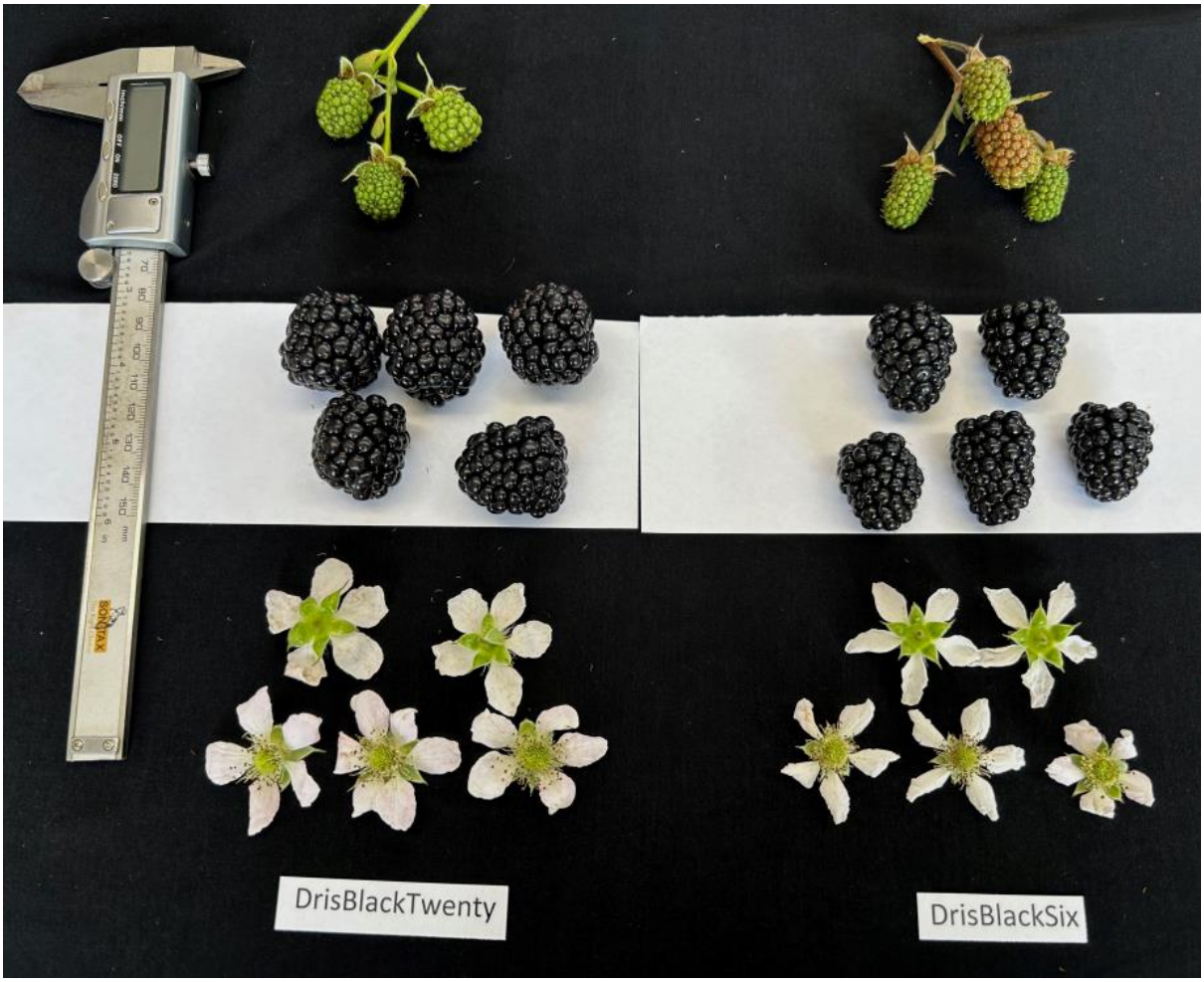
☒ *Fruit: shape in longitudinal section	circular	long conical
☐ Fruit: colour	black	black
☐ *Fruiting: on current year's cane	absent	absent
☒ *Time of: beginning of flowering on previous year's cane	early	medium
☒ *Time of: beginning of fruit ripening on previous year's cane	early	medium

Prior Applications and Sales:

Country	Year	Status	Name Applied
Canada	2019	Granted	'DrisBlackTwenty'
China	2020	Applied	'DrisBlackTwenty'
EU	2019	Granted	'DrisBlackTwenty'
Mexico	2019	Granted	'DrisBlackTwenty'
Morocco	2019	Applied	'DrisBlackTwenty'
New Zealand	2024	Granted	'DrisBlackTwenty'
UK	2021	Applied	'DrisBlackTwenty'
USA	2019	Granted	'DrisBlackTwenty'

Prior Sales: Nil

Description: Jenny Moisander, Landershute Road, Palmwoods, QLD.



Blackberry (*Rubus* subgenus *Rubus*) variety ‘DrisBlackTwenty’ with comparator ‘DrisBlackSix’

Details of Application

Application Number	2023/197
Variety Name	'JAVIO'
Genus Species	*Lactuca sativa*
Common Name	Lettuce
Synonym	PHYSIO
Accepted Date	12-Oct-2023
Applicant	Syngenta Crop Protection AG, Basel, 4058, Switzerland
Agent	Syngenta Australia Pty Ltd., Macquarie Park, NSW
Qualified Person	David Gillespie

Details of Comparative Trial

Overseas Testing Authority	Naktuinbouw, The Netherlands
Overseas Data Reference Number	SLA4665
Location	Naktuinbouw, ROELOFARENDSVEEN, The Netherlands
Descriptor	TP/13/6 Rev., modified to UPOV/TG/13/11
Period	2022
Conditions	As according UPOV test guidelines
Trial Design	As according UPOV test guidelines
Measurements	As according UPOV test guidelines
RHS Chart - edition	n/a

Origin and Breeding

Controlled pollination: F1 seed was sown at Torre-Pacheco, Spain in 2015. The cross was confirmed phenotypically and by Molecular Markers. Seven cycles of selection were carried out at Lier Netherlands. The main criteria for selection were *Bremia lactucae* resistances, tip-burn tolerance, slow bolting, leaf colour, plant weight and leaf thickness. Disease screening using Molecular Marker Selection. The last two cycles of selection were for uniformity and stability of type. Breeder's: Syngenta Crop Protection AG, Basel, 4058, Switzerland.

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	multi-divided
Seed	colour	white
Leaf	anthocyanin coloration	absent or very weak
Plant	time of beginning of bolting	very late
Plant	Resistance to *Bremia lactucae* (Bl) isolate Bl: 16 EU	present
Plant	Resistance to *Bremia lactucae* (Bl) isolate Bl: 29 EU	present

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Excipio'	

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Excipio'	

Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with X

Organ/Plant Part: Context	'JAVIO'	'Excipio'
☐ Seed: colour	white	
☒ Plant: diameter	medium	medium to large
☐ Plant: degree of overlapping of upper part of leaves	absent or weak	
☐ Plant: number of leaves	medium	
☐ Leaf: attitude	semi-erect	
☐ Leaf: number of divisions	very many	
☐ Leaf: anthocyanin colouration	absent or very weak to weak	
☐ Leaf: colour	green	
☐ Leaf: intensity of green colour	medium to dark	
☐ Leaf: glossiness of upper side	weak	
☐ Leaf: thickness	thin	
☐ Leaf: blistering	absent or very weak to weak	
☐ Leaf: undulation of margin	medium	
☐ Leaf: type of incisions of margin	tridentate	
☐ Leaf: depth of incisions of margin	deep to very deep	
☐ Leaf: depth of secondary incisions of margin	medium to deep	
☒ Leaf: density of incisions of margin	medium to dense	dense
☐ Leaf: venation	flabellate	
☐ Plant: time of beginning of bolting	very late	
☐ Plant: axillary sprouting	absent or weak	
☐ Bolting stem: fasciation	medium to strong	
☐ Resistance to *Bremia lactucae* (Bl) Isolate Bl: 16	present	
☐ Resistance to *Bremia lactucae* (Bl) Isolate Bl: 17	present	
☐ Resistance to *Bremia lactucae* (Bl) Isolate Bl: 20	present	
☐ Resistance to *Bremia lactucae* (Bl) Isolate Bl: 21	present	
☐ Resistance to *Bremia lactucae* (Bl) Isolate Bl: 22	present	
☐ Resistance to *Bremia lactucae* (Bl) Isolate Bl: 23	present	

☐ Resistance to *Bremia lactucae* (Bl) Isolate Bl: 24	present
☐ Resistance to *Bremia lactucae* (Bl) Isolate Bl: 26	present
☐ Resistance to *Bremia lactucae* (Bl) Isolate Bl: 27	present
☐ Resistance to *Bremia lactucae* (Bl) Isolate Bl: 29	present
☐ Resistance to *Bremia lactucae* (Bl) Isolate Bl: 30	present
☐ Resistance to *Bremia l*actucae (Bl) Isolate Bl: 31	present
☐ Plant: Resistance to *Lettuce mosaic virus* (*LMV*) Pathotype II	present
☐ Resistance to *Nasonovia ribisnigri* (Nr): 0	present

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'JAVIO'	'Excipio'
☐ **R**esistance to: *Bremia lactucae* Isolate Bl:33	present	
☐ **R**esistance to: *Bremia lactucae* Isolate Bl:35	present	

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2022	Granted	'JAVIO'
The Netherlands	2021	Granted	'JAVIO'
USA	2023	Applied	'JAVIO'

First sold in Spain in August 2022 and in Australia in July 2023

Description: **David Gillespie**, Ormiston, QLD

Lettuce (*Lactuca sativa*) variety ‘Javio’

Details of Application

Application Number	2024/050
Variety Name	'DrisBlueTwentyTwo'
Genus Species	*Vaccinium corymbosum*
Common Name	Blueberry
Accepted Date	05-Apr-2024
Applicant	Driscoll's Inc, Watsonville, California, USA
Agent	AJ Park, Sydney, NSW
Qualified Person	Jennifer Moisander

Details of Comparative Trial

Overseas Testing Authority	USPTO
Overseas Data Reference Number	US PP33,066 P2
Location	Overseas data verified at Berry Exchange, Range Road, Corindi, NSW
Descriptor	TG/137/5 Rev
Period	October 2022 – August 2024
Conditions	Grown in substrate under plastic tunnels using standard blueberry growing practices
Trial Design	Randomized Block Design used to verify United States published description
Measurements	Taken from randomly selected plants in accordance with UPOV technical guidelines
RHS Chart - edition	n/a

Origin and Breeding

Controlled pollination: Blueberry plant variety 'DrisBlueTwentyTwo' was discovered in Hillsborough County, Fla. in April of 2013 and originated from a cross between the proprietary female parent blueberry plant '196H 3' (unpatented) and the proprietary male parent blueberry plant '7J301' (unpatented). The original seeding of the new variety was first asexually propagated via softwood cuttings in Santa Cruz County, California. in July of 2013. 'DrisBlueTwentyTwo' was subsequently asexually propagated via softwood cuttings and tissue culture. The present blueberry variety has been found to be stable and reproduce true to type through successive asexual propagations via softwood cuttings and shoot tissue culture. Breeer's: Bruce D. Mowrey; Esther Kibbe; Marta C. Baptista; Raymond L. Jacobs III; Sarah Wool; James Olmstead. Driscoll's 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
Infructescence	density	dense to medium dense
Plant	fruiting type	on one year old and current shoots
Fruit	intensity of bloom	strong

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'C00-09'	
'DrisBlueTwentyThree'	

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'DrisBlueTwentyThree'	Plant vigour	strong	medium	

Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with X

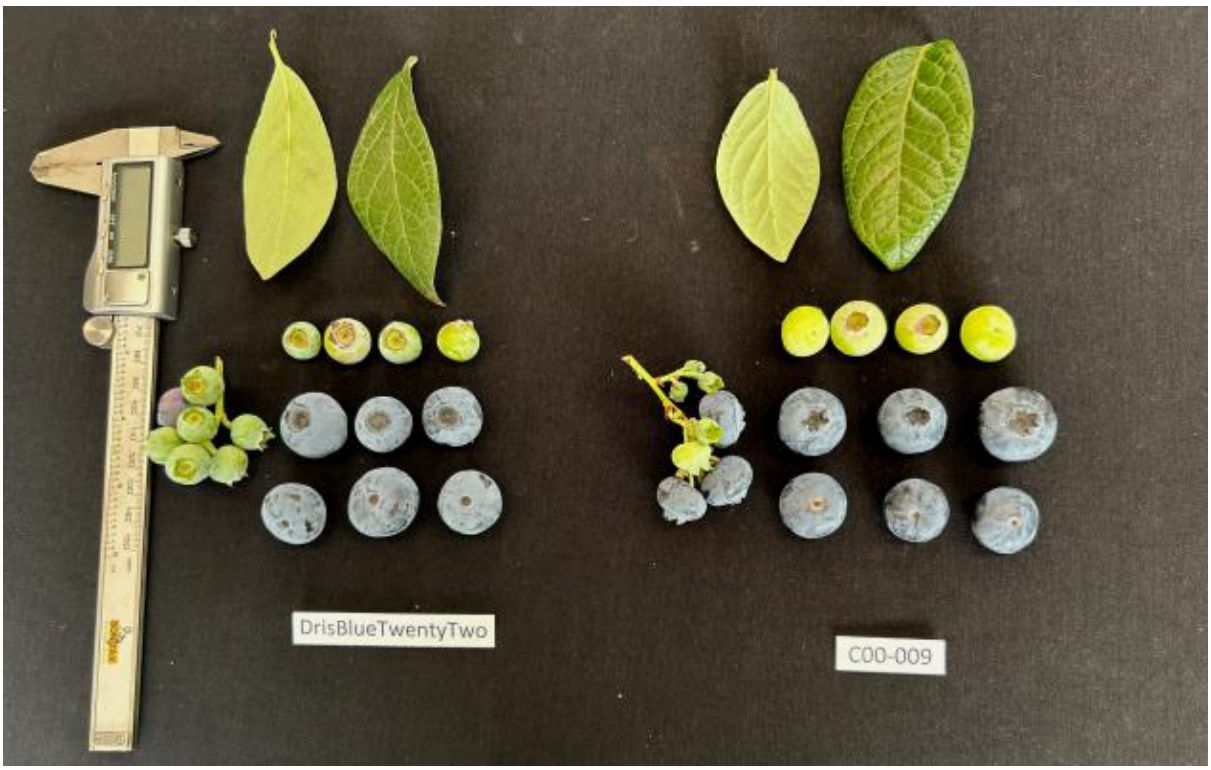
Organ/Plant Part: Context	'DrisBlueTwentyTwo'	'C00-09'
☒ Plant: vigour	strong	medium
☒ Plant: growth habit	semi-upright	spreading
☐ One-year-old shoot: colour	green	greenish red
☐ One-year-old shoot: length of internode	medium	short to medium
☐ Leaf: length	long	medium
☐ Leaf: width	medium	medium to broad
☒ Leaf: ratio length/width	high	medium
☐ Leaf: shape	elliptic	ovate
☐ Leaf: colour of upper side	medium green	medium green
☐ Leaf: margin	entire	entire
☐ Infructescence: density	dense	medium to dense
☒ Unripe fruit: intensity of green colour	medium	light
☐ Fruit: size	large	large to very large
☐ Fruit: shape in longitudinal section	circular	oblate
☐ Fruit: attitude of sepals	straight	incurved
☐ Fruit: diameter of calyx basin	medium to large	medium to large
☒ Fruit: depth of calyx basin	absent or shallow	deep
☐ Fruit: intensity of bloom	strong	strong
☐ Fruit: colour of skin	blackish blue	blackish blue
☐ Fruit: firmness	firm	medium
☐ Fruit: sweetness	medium	medium to high
☐ Fruit: acidity	low	low to medium
☐ Plant: fruiting type	on one-year-old and current shoots	on one-year-old and current shoots
☒ Plant: time of beginning of vegetative growth	very late	medium
☒ One-year-old shoot: time of beginning of flowering	medium to late	early to medium
☐ Current season's shoot: time of beginning of flowering	medium to late	early to medium
☒ One-year-old shoot: time of beginning of fruit ripening	medium to late	early to medium
☐ Current season's shoot: time of beginning of fruit ripening	medium to late	early to medium

Prior Applications and Sales:

Country	Year	Status	Name Applied
Canada	2020	Applied	'DrisBlueTwentyTwo'
China	2020	Applied	'DrisBlueTwentyTwo'
Chile	2021	Applied	'DrisBlueTwentyTwo'
EU	2020	Applied	'DrisBlueTwentyTwo'
Mexico	2020	Granted	'DrisBlueTwentyTwo'
Morocco	2022	Applied	'DrisBlueTwentyTwo'
Peru	2021	Applied	'DrisBlueTwentyTwo'
South Africa	2020	Granted	'DrisBlueTwentyTwo'
UK	2021	Applied	'DrisBlueTwentyTwo'
USA	2020	Granted	'DrisBlueTwentyTwo'

Nil Prior Sales

Description: Jenny Moisander, Landershute Road, Palmwoods, QLD.



Blueberry (*Vaccinium corymbosum*) variety 'DrisBlueTwentyTwo' with comparator 'C00-09'

Details of Application

Application Number	2024/090
Variety Name	'AVEMUS'
Genus Species	*Lactuca sativa*
Common Name	Lettuce
Accepted Date	07-May-2024
Applicant	Rijk Zwaan Zaadteelt en Zaadhandel B.V., Burgemeester Crezéelaan 40, DE LIER, The Netherland
Agent	Spruson & Ferguson, Sydney, NSW
Qualified Person	Ean Blackwell

Details of Comparative Trial

Overseas Testing Authority	Naktuinbouw, The Netherland
Overseas Data Reference Number	SLA4867
Location	Naktuinbouw, ROELOFARENDSVEEN, The Netherland
Descriptor	TP/13/6 Rev. 3
Period	2023
Conditions	in the open
Trial Design	In accordance with TP/13/6 Rev. 3
Measurements	In accordance with TP/13/6 Rev. 3
RHS Chart - edition	n/a

Origin and Breeding

Controlled pollination was used to develop the variety: Avemus. Avemus is a pure line variety, derived from a single cross between Internal RZ breeding line 114028 and internal Rijk Zwaan proprietary breeding line 124086, followed by 8 subsequent cycles of selection and selfing. During the selection process, the best plants were selected due to the desired agronomic characteristics, which were resistance to *Bremia lactucae* and *Fusarium* Breeder: Rijk Zwaan Lettuce breeding department, Burgemeester Crezéelaan 40, DE LIER, The Netherland.

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
Leaf	anthocyanin colouration	absent or very weak
Plant	Time of beginning of bolting	very late
Plant	Resistance to *Bremia lactucae* (Bl)isolate Bl: 16EU	present
Plant	Resistance to *Bremia lactucae* (Bl)isolate Bl: 29EU	present

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Momentous'	

Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with X

Organ/Plant Part: Context	'AVEMUS'	'Momentous'
☐ Seed: colour	black	
☒ Plant: diameter	medium to large	large

☐ Plant: degree of overlapping of upper part of leaves	medium	
☐ Leaf: attitude	erect to semi-erect	
☐ Leaf: number of divisions	absent or very few	
☐ Leaf: shape	oblanceolate	
☐ Leaf: shape of apex	rounded	
☐ Leaf: longitudinal section	flat	
☐ Leaf: anthocyanin colouration	absent or very weak	
☐ Leaf: colour	green	
☒ Leaf: intensity of green colour	dark	medium to dark
☐ Leaf: glossiness of upper side	medium	
☐ Leaf: thickness	medium	
☒ Leaf: blistering	medium to strong	weak to medium
☐ Leaf: size of blisters	small to medium	
☐ Leaf: undulation of margin	absent or very weak	

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'AVEMUS'	'Momentous'
☐ Head: shape in longitudinal section	broad elliptic	
☐ Harvest maturity: time of harvest maturity	late	
☐ Bolting: time of beginning of bolting	very late	
☐ Stem: Axillary sprouting	medium	
☐ Bolting stem: fasciation	weak	
☐ Resistance: Resistance to *Bremia* lactucae (Bl) isolate Bl: 16EU	present	
☐ Leaf: venation	not flabellate	
☐ Resistance: Resistance to *Bremia lactucae* (Bl) isolate Bl: 29EU	present	
☐ Resistance: Resistance to *Bremia lactucae* (Bl) isolate Bl: 33EU	present	
☐ Resistance: Resistance to *Bremia lactucae* (Bl) isolate Bl: 35EU	present	
☐ Resistance: Resistance to Lettuce mosaic virus (LMV) pathotype II	absent	
☐ Resistance: Resistance to *Nasonovia ribisnigri* (Nr) biotype Nr: 0	present	
☐ Head: size	medium to large	

Prior Applications and Sales

Country	Year	Status	Name Applied
EU	2022	Granted	'AVEMUS'
GB	2023	Applied	'AVEMUS'
The Netherland	2022	Granted	'AVEMUS'

Prior Sales: In Australia April 2023, In the Czech Republic February 2023

Description: Ean Blackwell, Spruson & Ferguson, Sydney, NSW

Lettuce (*Lactuca sativa*) Variety ‘AVEMUS’

Details of Application

Application Number	2024/148
Variety Name	'THERAS'
Genus Species	*Lactuca sativa* L.
Common Name	Lettuce
Accepted Date	27-Aug-2024
Applicant	Nunhems B.V., 152 Napoleonsweg, Nunhems, The Netherlands
Agent	Spruson & Ferguson, Sydney, NSW
Qualified Person	Ean Blackwell

Details of Comparative Trial

Overseas Testing Authority	Naktuinbouw, The Netherlans
Overseas Data Reference Number	SLA4473
Location	Naktuinbouw, ROELOFARENDSVEEN, NL
Descriptor	TP/13/6 Rev
Period	2021-2022
Conditions	In accordance with TP/13/6 Rev
Trial Design	In accordance with TP/13/6 Rev
Measurements	In accordance with TP/13/6 Rev
RHS Chart - edition	n/a

Origin and Breeding

Controlled pollination: After performing the initial cross, individual plant selection was conducted through subsequent generations until reaching the F4 generation. At the F4 stage, line selection was also incorporated to ensure uniformity and evaluate potential. Throughout all stages of selection, criteria included evaluating the phenotype, resistance to Bremia Lactucae, and resistance to *Narsnovia Ribisnigri* Race 0. Breeder's: Nunhems B.V. (Juan Francisco Muñoz Muñoz as employee of Nunhems)

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	gem type
Culture	type	in the open
Seed	colour	white
Leaf	anthocyanin coloration	absent or very weak
Plant	time of beginning of bolting	late
Plant	resistance to *Bremia lactucae* (Bl) isolate Bl: 16EU	present
Plant	resistance to *Bremia lactucae* (Bl) isolate Bl: 29EU	present

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Thatcher'	

Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with X

Organ/Plant Part: Context	'THERAS'	'Thatcher'
☐ Seed: colour	white	
☐ Plant: diameter	small to medium	
☐ Plant: degree of overlapping of upper part of leaves	medium	
☐ Leaf: attitude	semi-erect	
☐ Leaf: number of divisions	absent or very few	
☐ Leaf: shape	broad elliptic	
☐ Leaf: shape of apex	rounded	
☐ Leaf: longitudinal section	flat	
☐ Leaf: anthocyanin colouration	absent or very weak	
☐ Leaf: colour	green	
☒ Leaf: intensity of green colour	medium to dark	medium
☐ Leaf: glossiness of upper side	weak to medium	
☐ Leaf: thickness	medium	
☒ Leaf: blistering	medium to strong	weak to medium
☐ Leaf: size of blisters	small to medium	
☐ Leaf: undulation of margin	absent or very weak	

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'THERAS'	'Thatcher'
☐ Head: shape in longitudinal section	circular	
☐ Bolting: time of beginning of bolting	late	
☒ Stem: Axillary sprouting	strong	medium
☐ Resistance: Resistance to *Bremia lactucae* (Bl) isolate Bl: 16EU	present	
☐ Resistance: Resistance to *Bremia lactucae* (Bl) isolate Bl: 20EU	present	
☐ Leaf: venation	not flabellate	
☐ Resistance: Resistance to *Bremia lactucae* (Bl) isolate Bl: 21EU	present	
☐ Resistance: Resistance to *Bremia lactucae* (Bl) isolate Bl: 26EU	present	
☐ Resistance: Resistance to *Bremia lactucae* (Bl) isolate Bl: 27EU	present	
☐ Resistance: Resistance to *Bremia lactucae* (Bl) isolate Bl: 29EU	present	
☐ Resistance: Resistance to *Bremia lactucae* (Bl) isolate Bl: 30EU	present	

☐ Resistance: Resistance to *Bremia lactucae* (Bl) isolate Bl: 31EU	present
☐ Resistance: Resistance to *Bremia lactucae* (Bl) isolate Bl: 33EU	present
☐ Resistance: Resistance to *Bremia lactucae* (Bl) isolate Bl: 35EU	present
☐ Resistance: Resistance to *Lettuce mosaic virus* (*LMV)* pathotype II	present
☐ Resistance: Resistance to Nasonovia ribisnigri (Nr) biotype Nr: 0	present
☐ Head: size	medium
☐ Head: density	dense

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2020	Granted	'THERAS'

First sold in Australia in February 2024 and in Spain in August 2021

Description: Ean Blackwell, Sydney, NSW

Lettuce (*Lactuca sativa*) variety 'THERAS'

Details of Application

Application Number	2024/152
Variety Name	'DrisStrawEightyTwo'
Genus Species	*Fragaria x ananassa*
Common Name	Strawberry
Accepted Date	12-Aug-2024
Applicant	DRISCOLL'S, INC., Watsonville, California, USA
Agent	AJ Park, Sydney, NSW
Qualified Person	Jennifer Moisander

Details of Comparative Trial

Overseas Testing Authority	USPTO
Overseas Data Reference Number	US PP33,070 P2
Location	Overseas data verified at 207 Saint Road, Ningi, Queensland, 4511
Descriptor	Strawberry Fragaria L. TG/22/11 Rev.
Period	March 2024 - September 2024
Conditions	'DrisStrawEightyTwo' was asexually propagated by tissue culture (from runners) and then stolons(runners) into plugs (misted tips), these were planted in table tops outdoors in coir bags and grown for fruit employing standard good fruit growing practices.
Trial Design	Randomised Block design
Measurements	Measurements were taken on 5.5-month-old plants randomly selected from the growing area.
RHS Chart - edition	5th Edition

Origin and Breeding

Controlled Pollination: This new strawberry variety 'DrisStrawEightyTwo' grown, discovered and selected in Tangancicuaro, Michoacan, Mexico in December 2014. The selection 'DrisStrawEightyTwo' was a cross between the proprietary female parent '920AA240"and the proprietary male parent '914U 19' (unpatented). Plants were grown here for 5 years from asexually propagated stolons and found to be stable and reproduce true to type through successive propagations both in tissue culture and stolons (runners). Breeder's: Omar Carrillo Mendoza; Xiomara Ruiz Ruiz; Philip J. Stewart, DRISCOLL'S, 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	position of inflorescence in relation to foliage	slightly above
Leaf	size	small to medium
Flower	diameter	medium
Petiole	attitude of hairs	upwards
Fruit	shape	conic
Fruit	diameter of calyx in relation to diameter of fruit	slightly larger

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'DrisStrawFortySeven'	

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in comparator variety
'Driscoll El Dorado'	Fruit cavity	absent or small	medium
'DrisStrawThirtySix'	Fruit glossiness	medium	strong

Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with X

Organ/Plant Part: Context	'DrisStrawEightyTwo'	'DrisStrawFortySeven'
☒ Plant: growth habit	semi-upright	upright to semi-upright
☐ Plant: density of foliage	dense	dense
☐ Plant: vigour	medium to strong	strong
☐ Plant: position of inflorescence in relation to foliage	slightly above	slightly above
☐ Leaf: size	small to medium	small to medium
☐ Leaf: colour of upper side	dark green	dark green
☐ Leaf: rugosity	weak	
☐ Leaf: glossiness	absent or weak	
☐ Terminal leaflet: length in relation to width	slightly longer than broad	
☐Terminal leaflet: shape of base	obtuse	
☐ Terminal leaflet: margin	serrate to crenate	
☐ Terminal leaflet: depth of incisions of margin	medium	
☐Leaf: profile in cross-section	straight	
☐Petiole: length	short to medium	medium to long
☐ Petiole: attitude of hairs	upwards	upwards
☒ Stipule: intensity of anthocyanin colouration	absent or very weak	medium
☐Flower: diameter	medium	small
☐ Flower: arrangement of petals	overlapping	overlapping
☒ Flower: size of calyx in relation to corolla	large	same size
☐ Flower: stamen	present	present
☐ Petal: shape	circular	circular
☐ Petal: ratio length/width	medium	
☐ Petal: colour of upper side	white	white
☐ Fruit: length in relation to width	medium	medium
☐ Fruit: size	large to very large	
☐ Fruit: shape	conic	conic
☐ Fruit: position of maximum width	strongly towards calyx	
☐ Fruit: shape of apex	acute	
☐ Fruit: shape at calyx end	flattened	
☐ Fruit: colour	medium red	

☐ Fruit: width of band without achenes	absent or very narrow	
☒ Fruit: position of achenes	slightly below surface	level with surface
☐ Fruit: colour of achenes	red	
☐ Fruit: density of achenes	medium	
☒ Fruit: position of calyx attachment	level with fruit	inserted
☐ Fruit: attitude of sepals	outwards	
☐ Fruit: diameter of calyx in relation to diameter of fruit	slightly larger	slightly larger
☐ Fruit: colour of flesh	light red	
☐ Fruit: colour of core	white	
☒Time of beginning of: flowering	Early	medium
☒ Time of beginning of: fruit ripening	Early	medium
☐ Flowering: runners	present	

Prior Applications and Sales

Country	Year	Status	Name Applied
Canada	2024	Applied	'DrisStrawEightyTwo'
EU	2020	Granted	'DrisStrawEightyTwo'
Mexico	2021	Granted	'DrisStrawEightyTwo'
UK	2021	Granted	'DrisStrawEightyTwo'
USA	2020	Granted	'DrisStrawEightyTwo'

Prior sales Nil

Description: Jenny Moisander, Landershute Road, Palmwoods, QLD.

Strawberry (*Fragaria x ananassa*) variety ‘DrisStrawEightyTwo’

Grants

Application Number	Variety Name	Common Name	Synonym	Genus	Species	Applicant(s)	Grant Date	Certificate Number	Expiry Date
2017/182	LongReach Havoc	Wheat	LRPB Havoc	*Triticum*	*aestivum*	LongReach Plant Breeders Management Pty. Ltd.	24/10/2024	7131	24/10/2044
2019/146	LONGREACH NIGHTHAWK	Wheat	LRPB NIGHTHAWK	*Triticum*	*aestivum*	LongReach Plant Breeders Management Pty. Ltd.	31/10/2024	7138	31/10/2044
2021/197	NAKANONOKIRAMEKI	Apple	Kirameki	*Malus*	*domestica*	Kazuko Yoshiie	30/10/2024	7135	30/10/2049
2021/133	LONGREACH DUAL	Wheat	DUAL	*Triticum*	*aestivum*	Commonwealth Science and Industry Research Organisation	18/10/2024	7130	18/10/2044
2021/082	KPTAIL	Kangaroo Paw	Not Applicable	*Anigozanthos*	hybrid	Botanic Gardens and Parks Authority	15/11/2024	7153	15/11/2044
2019/218	HarpoonHV	Barley	Not Applicable	*Hordeum*	*vulgare*	Sheldon Agri Pty Ltd	25/10/2024	7132	25/10/2044
2019/147	LONGREACH HELLFIRE		LRPB HELLFIRE	*Triticum*	*aestivum*	LongReach Plant Breeders Management Pty. Ltd.	30/10/2024	7137	30/10/2044
2020/172	T111-219	Southern Highbush Blueberry	Not Applicable	*Vaccinium*	hybrid	Rolfe Nominees Pty Ltd	08/11/2024	7145	08/11/2044
2020/170	F116	Southern Highbush Blueberry	Not Applicable	*Vaccinium*	hybrid	Rolfe Nominees Pty Ltd	08/11/2024	7143	08/11/2044
2021/132	LONGREACH BALE	Wheat	BALE	*Triticum*	*aestivum*	Commonwealth Science and Industry	18/10/2024	7129	18/10/2044

						Research Organisation			
2020/173	T111-519	Southern Highbush Blueberry	Not Applicable	*Vaccinium*	hybrid	Rolfe Nominees Pty Ltd	08/11/2024	7146	08/11/2044
2022/135	T11-119	Southern Highbush Blueberry	Not Applicable	*Vaccinium*	hybrid	Rolfe Nominees Pty Ltd	08/11/2024	7150	08/11/2044
2020/171	T11-319	Southern Highbush Blueberry	Not Applicable	*Vaccinium*	hybrid	Rolfe Nominees Pty Ltd	08/11/2024	7144	08/11/2044
2018/275	LongReach Oryx	Wheat	LRPB Oryx	*Triticum*	*aestivum*	LongReach Plant Breeders Management Pty. Ltd.	29/10/2024	7134	29/10/2044
2016/309	Ohalo	Barley	Not Applicable	*Hordeum*	*vulgare*	CSIRO	06/11/2024	7141	06/11/2044
2019/209	Sorrento	Potato	Not Applicable	*Solanum*	*tuberosum*	James Hutton Institute	30/10/2024	7136	30/10/2044
2019/155	LONGREACH PARAKEET	Wheat	LRPB PARAKEET	*Triticum*	*aestivum*	LongReach Plant Breeders Management Pty. Ltd.	05/11/2024	7140	05/11/2044
2021/084	KPWORKS	Kangaroo Paw	Not Applicable	*Anigozanthos*	hybrid	Botanic Gardens and Parks Authority	15/11/2024	7155	15/11/2044
2019/154	LONGREACH NYALA	Wheat	LRPB NYALA	*Triticum*	*aestivum*	LongReach Plant Breeders Management Pty. Ltd.	04/11/2024	7139	04/11/2044
2022/134	F4119	Southern Highbush Blueberry	Not Applicable	*Vaccinium*	hybrid	Rolfe Nominees Pty Ltd	08/11/2024	7149	08/11/2044
2016/310	Ohalo2	Barley	Not Applicable	*Hordeum*	*vulgare*	CSIRO	18/11/2024	7156	18/11/2044

2021/081	KPCARN		Not Applicable	*Anigozanthos*	hybrid	Botanic Gardens and Parks Authority	15/11/2024	7152	15/11/2044
2021/116	LONGREACH AVENGER	Wheat	LRPB AVENGER	*Triticum*	*aestivum*	LongReach Plant Breeders Management Pty. Ltd.	18/10/2024	7128	18/10/2044
2021/068	KPMASQ	Kangaroo Paw	Not Applicable	*Anigozanthos*	hybrid	Botanic Gardens and Parks Authority	14/11/2024	7151	14/11/2044
2021/115	LONGREACH RAIDER	Wheat	LRPB RAIDER	*Triticum*	*aestivum*	LongReach Plant Breeders Management Pty. Ltd.	18/10/2024	7127	18/10/2044
2020/183	T112-219	Southern Highbush Blueberry	Not Applicable	*Vaccinium*	hybrid	Rolfe Nominees Pty Ltd	08/11/2024	7147	08/11/2044
2020/184	T112-519	Southern Highbush Blueberry	Not Applicable	*Vaccinium*	hybrid	Rolfe Nominees Pty Ltd	08/11/2024	7148	08/11/2044
2021/083	KPAUSP	Kangaroo Paw	Not Applicable	*Anigozanthos*	hybrid	Botanic Gardens and Parks Authority	15/11/2024	7154	15/11/2044
2017/167	LongReach Mustang	Wheat	LRPB Mustang	*Triticum*	*aestivum*	LongReach Plant Breeders Management Pty. Ltd.	25/10/2024	7133	25/10/2044

Refusals

Application Number	Variety Name	Common Name	Synonym	Genus	Species	Applicant(s)	Refusal Date

Applications Withdrawn

Application Number	Variety Name	Common Name	Synonym	Genus	Species	Applicant(s)	Withdrawal Date
2023/179	Green Spire	Lilly Pilly	Not Applicable	*Syzygium*	*australe*	Reline Management Pty Ltd ATF The Cole Unit Trust	06/11/2024
2021/040	NUSPR	Italian Lavender	Not Applicable	*Lavandula*	*stoechas*	NuFlora International Pty Ltd	19/09/2024
2021/041	NUSPP	Italian Lavender	Not Applicable	*Lavandula*	*stoechas*	NuFlora International Pty Ltd	19/09/2024
2021/042	NUSLE	Italian Lavender	Not Applicable	*Lavandula*	*stoechas*	NuFlora International Pty Ltd	19/09/2024
2021/044	NUSLP	Italian Lavender	Not Applicable	*Lavandula*	*stoechas*	NuFlora International Pty Ltd	19/09/2024
2019/232	Sunsenegoroku	Cineraria	Not Applicable	*Pericallis*	x hybrida	Suntory Flowers Limited	10/10/2024
2021/043	NUSLL	Italian Lavender	Not Applicable	*Lavandula*	*stoechas*	NuFlora International Pty Ltd	19/09/2024
2023/225	IB 102-10	Hybrid Fuchsia	Not Applicable	*Fuchsia*	hybrida	Plant Growers Australia Pty Ltd	21/10/2024
2019/233	Sunsenegonana	Cineraria	Not Applicable	*Pericallis*	x hybrida	Suntory Flowers Limited	10/10/2024
2023/119	EC PEPE 2111	Peperomia	Not Applicable	*Peperomia*	*caperata*	Eden Collection B.V.	12/11/2024
2023/118	EC PEPE 2103	Peperomia	Not Applicable	*Peperomia*	*obtusifolia*	Eden Collection B.V.	12/11/2024
2018/373	MOBAl 31	Coral Aloe	Not Applicable	*Aloe*	*striata*	Morgan Oates & Brown Pty Ltd	29/10/2024
2019/212	Slim Jim	Lilly Pilly	Not Applicable	*Acmena*	*smithii*	REH Superanuation Fund Pty Ltd	19/09/2024
2021/051	Alvier	Lettuce	Not Applicable	*Lactuca*	*sativa*	Enza Zaden Beheer B.V.	30/09/2024

Grants Revoked

Application Number	Variety Name	Common Name	Synonym	Genus	Species	Applicant(s)	Revocation Date
2009/345	Minnie Magic	Lilly Pilly	Not Applicable	*Acmena*	*smithii*	Paul Mentz, Robin Mentz and Carl Mentz	05/11/2024
2003/179	Matthew Flinders	Bottlebrush	Not Applicable	*Callistemon*	*viminalis*	T.C. & J.M. Keogh	05/11/2024
2017/080	CAP18	Crepe Myrtle	Not Applicable	*Lagerstroemia*	*indica*	Capstone Plants Inc	04/11/2024
2017/081	CAP1	Crepe Myrtle	Not Applicable	*Lagerstroemia*	*indica*	Capstone Plants Inc	04/11/2024
2009/297	Stately	Protea	Not Applicable	*Protea*	*compacta*	Glenda Nielsen	20/09/2024
2007/245	TF01	Buffalo Grass	Not Applicable	*Stenotaphrum*	*secundatum*	J & R Ag Pty Ltd	04/11/2024
2012/179	Sweet Ann	Strawberry	Not Applicable	*Fragaria*	*xananassa*	Lassen Canyon Nursery, Inc	04/11/2024
2012/242	Asteroid	Italian Ryegrass	Dinki Di	*Lolium*	*multiflorum*	Valley Seeds Pty Ltd.	04/11/2024
2016/295	Bateira	Lettuce	Not Applicable	*Lactuca*	*sativa*	Nunhems B.V.	05/11/2024
2014/067	Emmagio	Lettuce	Not Applicable	*Lactuca*	*sativa*	Syngenta Crop Protection AG	20/09/2024
2010/090	FIT01	New Zealand Mountain Flax	Not Applicable	*Phormium*	*cookianum*	Pat Fitzgerald	20/09/2024
2008/132	Kepnock	Industrial Hemp	Not Applicable	*Cannabis*	*sativa*	Agri Fibre Industries Pty Ltd	20/09/2024
2011/198	BarLaris	Phalaris	Lawson	*Phalaris*	*aquatica*	Barenbrug Palaversich	05/11/2024
2009/298	Pink Cream	Protea	Not Applicable	*Protea*	*compacta*	Glenda Nielsen	20/09/2024
2016/005	JDPM002FL	Pittosporum	Not Applicable	*Pittosporum*	*tenuifolium*	Patience Investments Pty Ltd as Trustees for Patience Investments Trust	04/11/2024
2006/027	Fuji Fubrax	Apple	Not Applicable	*Malus*	*domestica*	KIKU SRL-GMBH	05/11/2024
2016/004	JDPM001	Pittosporum	Not Applicable	*Pittosporum*	*tenuifolium*	Patience Investments Pty Ltd as Trustees for Patience Investments Trust	04/11/2024
2016/225	Equipe	Cucumber	Not Applicable	*Cucumis*	*sativus*	Nunhems B.V.	20/09/2024
2003/178	Mini Gold	Duranta	Not Applicable	*Duranta*	*stenostachya*	T.C. & J.M. Keogh	04/11/2024
2019/271	SCH63411Y	Soybean	Not Applicable	*Glycine*	*max*	SCI Genetics, Inc.	04/11/2024

2012/165	PBA Maiden	Chickpea	Not Applicable	*Cicer*	*arietinum*	Department of Primary Industries for and on behalf of the State of New South Wales, Grains Research and Development Corporation, Minister for Agriculture, Food and Fisheries, Department of Agriculture, Fisheries and Forestry, Agriculture Victoria Services	04/11/2024
2004/011	ATIblu	African Lily	Not Applicable	*Agapanthus*	*praecox subsp. Orientalis*	Anthony Tesselaar Plants Pty Ltd	05/11/2024
2005/083	Nafice	Chickpea	Not Applicable	*Cicer*	*arietinum*	The University of Western Australia, Western Australian Agriculture Authority, Council of Grain Grower Organisations Limited, Grains Research and Development Corporation	04/11/2024
2015/121	N1MR09	Red Bayberry	Not Applicable	*Morella*	*rubra*	The University of Queensland	20/09/2024
2015/119	N1MR06	Red Bayberry	Not Applicable	*Morella*	*rubra*	The University of Queensland	10/10/2024
2015/044	PurplePelisse	Potato	PurpleBliss	*Solanum*	*tuberosum*	Oregon State University	19/09/2024
2007/085	Bush Candles	Hairpin Banksia	Not Applicable	*Banksia*	*spinulosa*	Ian Shimmen	04/11/2024
2011/278	KRSSUWH01	Elatior Begonia, Winter-flowering begonia	Not Applicable	*Begonia*	*hiemalis*	Koppe Royalty B.V.	04/11/2024
2015/355	PMC23	Crepe Myrtle	Not Applicable	*Lagerstroemia*	*indica*	Capstone Plants Inc	04/11/2024
2003/225	Camino Real	Strawberry	Not Applicable	*Fragaria*	*xananassa*	The Regents of the University of California	20/09/2024
2015/120	N1MR07	Red Bayberry	Not Applicable	*Morella*	*rubra*	The University of Queensland	10/10/2024

2005/262	Lulu	Lilly Pilly	Not Applicable	*Syzygium*	*luehmannii*	Jo Barber and Chris Barber	20/09/2024
2002/258	Turner Hass	Avocado	Not Applicable	*Persea*	*americana*	John William Dorrian and Janet Ruth Dorrian	05/11/2024
2019/273	SCH67908	Soybean	Not Applicable	*Glycine*	*max*	SCI Genetics, Inc.	04/11/2024
2011/113	JB2lime	Spiny Headed Mat Rush	Lime Jet	*Lomandra*	*longifolia*	James Burgess	20/09/2024
2015/358	PMC39	Crepe Myrtle	Not Applicable	*Lagerstroemia*	*indica*	Capstone Plants Inc	04/11/2024
2017/079	CAP11	Crepe Myrtle	Not Applicable	*Lagerstroemia*	*indica*	Capstone Plants Inc	04/11/2024
2014/235	Calisteo	Spinach	Callisto	*Spinacia*	*oleracea*	Nunhems B.V.	05/11/2024
2008/189	Mammoth	Oats	Not Applicable	*Avena*	*sativa*	New Zealand Institute for Crop & Food Research Limited	05/11/2024
2001/001	Orange Twist	Lilly Pilly	Not Applicable	*Syzygium*	*australe*	B E Jackson & A S Soderlund	05/11/2024
2015/357	PMC35	Crepe Myrtle	Not Applicable	*Lagerstroemia*	*indica*	Capstone Plants Inc	04/11/2024
2003/226	Ventana	Strawberry	Not Applicable	*Fragaria*	*xananassa*	The Regents of the University of California	20/09/2024

Grants Surrendered

Application Number	Variety Name	Common Name	Synonym	Genus	Species	Applicant(s)	Surrendered Date
2006/030	Black Scallop	Bugle Bells	Not Applicable	*Ajuga*	*reptans*	Mike Tristram	24/09/2024
2011/032	CC19	Bottlebrush	Not Applicable	*Callistemon*	*viminalis*	Ozbreed Pty Ltd	24/09/2024
2005/206	Buloke	Barley	Not Applicable	*Hordeum*	*vulgare*	Parties of the Malting Barley Quality Improvement Program	18/11/2024
2020/137	Luster	Field Pea	Not Applicable	*Pisum*	*sativum*	Magic Seed Inc.	08/10/2024
2007/196	GREEN SHEEN	Pittosporum	Not Applicable	*Pittosporum*	*tenuifolium*	Matthew Brooks	04/11/2024

Grants Expired

Application Number	Variety Name	Common Name	Synonym	Genus	Species	Applicant(s)	Expiry Date
1997/013	AR1	Fungal Endophyte	Not Applicable	*Neotyphodium*	*lolii*	Grasslanz Technology Limited	26/10/2024
2002/311	SUN 376G	Wheat	Not Applicable	*Triticum*	*aestivum*	The University of Sydney, Grains Research and Development Corporation	12/10/2024
1999/198	AR542	Endophyte	Not Applicable	*Neotyphodium*	*coenophialum*	Grasslanz Technology Limited	26/10/2024
1997/111	AR501	Endophyte - Fescue	Not Applicable	*Neotyphodium*	*sp*	Grasslanz Technology Limited	26/10/2024
2002/315	Ellison	Wheat	Not Applicable	*Triticum*	*aestivum*	The University of Sydney, Grains Research and Development Corporation	12/10/2024

Change of Applicant Name

Application Number	Variety Name	Common Name	Synonym	Genus	Species	Changed From	Changed To	Date of Change

Transfer/Assignment of Rights

Application Number	Variety Name	Common Name	Synonym	Genus	Species	Changed From	Changed To	Date of Change
2017/074	Madeline	Leyland Cypress		*×Cuprocyparis*	*leylandii*	Appaloosa Acres, Inc.	Metro Green Pty Ltd	08/10/2024
2006/105	Elite	White Cedar		*Melia*	*azedarach*	Metropolitan Tree Growers Pty Ltd	Metro Green Pty Ltd	08/10/2024
2004/190	Burnectfour	Nectarine		*Prunus*	*persica var. nucipersica*	Wawona Packing Co. LLC	Mossmont Stonefruit Importers Pty Ltd	30/09/2024
2020/146	Corinthian	Native Fig		*Ficus*	*microcarpa*	Metropolitan Tree Growers Pty Ltd	Metro Green Pty Ltd	08/10/2024

Change or Nomination of Agent

Application Number	Variety Name	Common Name	Synonym	Genus	Species	Changed From	Changed To	Date of Change
2007/314	Palomar	Strawberry		*Fragaria*	*x ananassa*	Agrisearch Services Pty Ltd	SRS. Pty Ltd	29/10/2024
2008/271	San Andreas	Strawberry		*Fragaria*	*xananassa*	Leslie W Mitchell	SRS. Pty Ltd	29/10/2024
2016/283	Aberlasting	White clover/Caucasian clover hybrid		*Trifolium*	*repens X ambiguum*	Eurofins Agroscience Services	Germinal New Zealand Ltd	22/10/2024
2015/041	MC5	Apricot	Marvell	*Prunus*	*armeniaca*	Leslie Mitchell	Mossmont Stone Fruit Pty Ltd	05/11/2024
2016/275	Buralmondtwo	Almond		*Prunus*	*dulcis*	Leslie Mitchell (Eurofins Agroscience Services)	Mossmont Stone Fruit Pty Ltd	30/09/2024
2017/343	Von	Hybrid Blackberry		*Rubus*	*subgenus Eubatus Focke*	Perfection Fresh Australia Pty Ltd	Perfection Fresh	29/10/2024
2008/283	AberMagic	Perennial Ryegrass		*Lolium*	*perenne*	Eurofins Agroscience Services	Germinal New Zealand Ltd	22/10/2024
2019/226	Buralmondthree	Almond		*Prunus*	*dulcis*	Eurofins Agroscience Services	Mossmont Stone Fruit Pty Ltd	29/09/2024
2008/272	Portola	Strawberry		*Fragaria*	*x ananassa*	Leslie W Mitchell	SRS. Pty Ltd	29/10/2024
2008/270	Monterey	Strawberry		*Fragaria*	*xananassa*	Leslie W Mitchell	SRS. Pty Ltd	29/10/2024
2010/289	Mojave	Strawberry		*Fragaria*	*x ananassa*	Leslie W. Mitchell	SRS. Pty Ltd	29/10/2024
2010/290	Benicia	Strawberry		*Fragaria*	*x ananassa Duch*	Leslie W. Mitchell	SRS. Pty Ltd	29/10/2024
2015/201	Petaluma	Strawberry	C231	*Fragaria*	*xananassa*	Leslie W. Mitchell	SRS. Pty Ltd	29/10/2024

2015/324	Cabrillo	Strawberry		*Fragaria*	*x ananassa*	Leslie Mitchell of Eurofins Agrisearch	SRS. Pty Ltd	29/10/2024
2017/343	Von	Hybrid Blackberry		*Rubus*	*subgenus Eubatus Focke*	Davies Collison Cave	Perfection Fresh Australia Pty Ltd	15/10/2024
2021/116	LONGREACH AVENGER	Wheat	LRPB AVENGER	*Triticum*	*aestivum*		Jesse Fidgeon	18/10/2024
2021/115	LONGREACH RAIDER	Wheat	LRPB RAIDER	*Triticum*	*aestivum*		Jesse Fidgeon	18/10/2024
2016/291	Abergain	Perennial Ryegrass		*Lolium*	*perenne*	Eurofins Agroscience Services	Germinal New Zealand Ltd	22/10/2024
2019/107	S-49	Native Fig		*Ficus*	*carica*	Griffith Hack	Mossmont Stone Fruit Pty Ltd	05/11/2024
2015/350	Frisco	Sweet Cherry		*Prunus*	*avium*	Leslie Mitchell (Eurofins Agroscience Services)	Mossmont Stone Fruit Pty Ltd	05/11/2024
2016/327	Rocket	Sweet Cherry		*Prunus*	*avium*	Eurofins Agroscience Services	Mossmont Stone Fruit Pty Ltd	05/11/2024
2015/222	Grenada	Strawberry	C232	*Fragaria*	*x ananassa*	Leslie W. Mitchell	SRS. Pty Ltd	29/10/2024
2015/202	Fronteras	Strawberry	C235	*Fragaria*	*xananassa*	Leslie W. Mitchell	SRS. Pty Ltd	29/10/2024
2004/332	Albion	Strawberry		*Fragaria*	*xananassa*	Agrisearch Services Pty Ltd	SRS. Pty Ltd	05/11/2024
2015/030	SC2	Apricot	Sol Cot	*Prunus*	*armeniaca*	Leslie Mitchell	Mossmont Stone Fruit Pty Ltd	05/11/2024
2018/313	Pacific Red	Sweet Cherry		*Prunus*	*avium*	Eurofins Agroscience Services	Mossmont Stone Fruit Pty Ltd	05/11/2024
2005/318	PMN06	Agapanthus		*Agapanthus*	*orientalis*	Ozbreed Pty Ltd	Pine Mountain Botanics Pty Ltd	13/11/2024

2001/354	Cloudy Days	Agapanthus		*Agapanthus*	*orientalis*		Pine Mountain Botanics Pty Ltd	14/11/2024
2021/247	NEA12	Endophyte		*Epichloe*	*sp.*		Griffith Hack	30/10/2024

Denomination (Variety Name) Changes

Application Number	Common Name	Synonym	Genus	Species	Changed From	Changed To	Date of Change

Change/Addition of Synonym

Application Number	Variety Name	Common Name	Genus	Species	Changed From	Changed To	Date of Change

Corrigenda

Nill

Appendices

- Appendix 1 - Index of Accredited Consultant ‘Qualified Persons’
- Appendix 2 – Index of Accredited Non-Consultant ‘Qualified Persons’
- Appendix 3- Centralised Testing Centres
- Appendix 4 – Register of Plant Varieties

Appendix 1 - Index of Accredited Consultant 'Qualified Persons'

The following link https://www.ipaustralia.gov.au/tools-resources/qualified-persons-directory is a directory of Consultant QPs

Appendix 2 – Index of Accredited Non-Consultant 'Qualified Persons'

Last Name	First Name
Balmain	Kylie
Jowitt	Anita
Kammholz	Stephen
Torpy	Brendan
Webb	Chantelle
Martin	William
Arkinstall	Sean
De Barro	James
Ansari	Omid
Fitzgibbon	John
Matthews	Michael
Wei	Xianming
Coventry	Stewart
Jupp	Noel
Cecil	Andrew
Peck	David
McIvor	Katie
Liu	Ming-Chung
Todd	Peter
Peck	Gavin
Tancred	Stephen
Paull	Jeffrey
van den Berg	Louisa
Granger	Andrew
Berryman	Pamela
Clothier	Damien
Real	Daniel
Nagel	Stuart
Clayton-Greene	Kevin
Manson	Daniel
O'Leary	Finbarr
Lewis	Hartley
Collins	David
Tabah	David
Kaehne	Ian
Harmer	Martin
Smark	Jordan
Campbell	David
Smith	Leigh
Boorman	Des
Neal	Jodi
Madsen	Dean
Senior	Michael
Kitson	Elizabeth
Snell	Peter
Chesher	Wayne

Peng	Fei
Clifton	Hannah
Rayner	Kenneth
Shunmugam	Arun
Gunther	Tom
Bunker	John
Huang	Che-Lun
Newman	Allen
Liu	Ming-Chi
Topp	Bruce
Austin	Darren
Ali	Asjad
Cutri	Gaethan
Sabampillai	Mahendraraj
Harrison	Robert
Lee Chang	Kim
Lee	Jou-Yi
Roche	Matthew
Bolton	Clair
Pidgeon	Mark
Pandey	Babu
Cameron	Nick
Syrus	Kim
Pressler	Craig
Chang	Yi-Lung
Trautwein	Michael
An	Chih-Hao
Adams	Rebecca
Ahmad	Maqbool
Chang	Sheng-Chih
Chu	Yu-Ying
Graetz	Darren
Box	Amanda
Gillies	Leanne
Hobson	Kristy
Winter	Bruce
Wirthensohn	Michelle
Pike	Elise
Nemire	Bryan
Kenel	Fernand
March	Timothy
Turner	Janice
Brunt	Charlotte
Materne	Michael
Porter	Gavin
Nichols	Phillip
Hoppo	Suzanne
Tsai	Yu-Ching
Lee	Jodie
Wells	Jenny

Moisander	Jennifer
Stiller	Warwick
Watson	David
Williams	Michelle
Fidgeon	Jesse
Gororo	Nelson
Wright	Graeme
Kretzschmar	Tobias
Clingeleffer	Peter
Smith	Malcolm
Smith	Chris
O'Connor	Katie
Ullah	Smi
Sayle	Riley
Dilag	Calixto
Francis	Matt
Lacey	Kevin
Connolly	Karen
Dewar	Matthew
Ko	Yu-Cheng
Downe	Graeme

Appendix 3- Centralised Testing Centres

Under Plant Breeder's Rights Regulations introduced in 1996, establishments may be officially authorised by the PBR office to conduct test growing's. 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 available which adds 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.

A CTC will establish, conduct and report each trial on behalf of the applicant. CTCs have a high level of experience in the particular genera they are authorised to test, and a successful history of growing trials for PBR assessment. Therefore, CTC trials are expected to be more rigorous and less likely to require re-trials and multiple visits by a PBR examiner. The use of CTCs for multiple candidate varieties in a single comprehensive trial may provide further advantages in terms of economies of scale and commensurate cost savings.

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 one or more candidate varieties are tested, each will qualify for the CTC examination fee of $920. This is a saving of more than 40% over the normal fee of $1610.

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 and may be withdrawn at any time if considered no longer suitable, inactive or the listed Qualified Person(s) are no longer accredited. The onus is on the CTC establishment to contact the PBR Office if their authorisation details change. If authorisation is withdrawn then a new application will be necessary if re-authorisation is required.

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.

REQUESTS 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, shade house, 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 trial the relevant UPOV protocols, technical guideline or national descriptor for the genus should be followed. Where necessary the establishment and conduct of the trial can be discussed with the PBR office.

Industry support

Details of requests for authorisation as a CTC will be published as pending in the Plant Varieties Journal for a period of 3 months. If no adverse comments are received after this period it will be assumed that there are no particular concerns in the industry regarding the authorisation. Evidence of industry support can be supplied in support and maybe required if any adverse comments are received.

Long-term storage of genetic material

Applicants nominate where their material is to be maintained prior to grant. However, depending upon the genus, a CTC may be in a position 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 national genetic resource centre in perpetuity will be favoured.

Contract testing for 3rd Parties

Unless exempted inwriting 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 per state will be authorised to test a genus. Special circumstances may exist (such as environmental factors or quarantine) to allow more than one CTC per genus, though a special case will need to be made to the PBR office.

Authorised Centralised Test Centres (CTCs)

Following publication of requests for accreditation and ensuing public comment, the following organisations/individuals are authorised to act as CTCs.

Name	Location	Approved Genera	Facilities	Name of QP	Date of accreditationon	Next review date
Bureau of Sugar Experiment Stations	Cairns,Tull, Ingham,Ayr,Mackay, Bundaberg,Brisbane, QLD	Saccharum	Field, glasshouse, tissue culture, pathology	Ms Clair Bolton	3/06/2020	1/12/2022
ParadisePlants	Kulnura,NSW	Camellia, Lavandula, Osotha mnus, Ceratopetalum	Field, glasshouse, shade house,irrigation	J. Robb	31/12/1998	1/12/2022
PrescottRoses	Berwick,VIC	Rosa	Field, controlled environment	C. Prescott	31/12/1998	1/12/2022
Ramm Botanicals	KangyAngy, NSW	Anigozanthos	Tissue culture, environment controlled greenhouse; extensive outdoor and shade house areas	Hannah Clifton	10/02/2012	1/12/2022
Solan Pty Ltd	Waikerie SA	Solanum tuberosum	Tissue culture, plastic covered nursery, refrigerated storage; experience with comparator growing trials	J. Fennell	10/01/2013	1/12/2022

Name	Location	Approved Genera	Facilities	Name of QP	Date of accreditat ionon	Next review date
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	1/12/2022
Agronico Technology Pty Ltd	Leith, TAS	Solanum tuberosum	Access to tissue culture storage and mini tuber production facilities (VICSPA accredited),for storing and multiplying varieties in preparation for testing	Stewart McKay, James Hills	7/04/2016	1/12/2022
G Crumpton& Sons & Co Pty Ltd	Crawford,QLD	Duboisia	Comprehensive growing facilities	D. Loch	13/12/2016	1/12/2022
DriscollsAustraliaPty Ltd	Palmwoods,QLD	Fragaria spp., Vaccinium spp., Rubus spp.	Irrigated fieldtrial areas, laboratory facilities, glasshouse	Jennifer Moisander	13/12/2016	1/12/2022
GrapeCoPty Ltd	South Merbein,VIC	Vitis vinifera (Table Grapeonly)	Drip irrigation.Cool rooms are being installed	Ms Alison MacGregor	24/03/2022	1/02/2022

Name	Location	Approved Genera	Facilities	Name of QP	Date of accreditat ionon	Next review date
Australian HorticulturalServices	Wonga Park, VIC	Lavandula	Indoor and out growing areas	M. Lunghusen	19/12/2018	1/12/2022
Haar's Nursery	Somerville,VIC	Erysimum, Impatiens** Nemesia	Propagation greenhouses;indoor and outdoor growing areas	M. Lunghusen	19/12/2018	1/12/2020
Australian HorticulturalServices	5 Lower HomesteadRd Wonga Park, VIC3115	Lagerstroemia	Outdoor and indoor growingareas	M. Lunghusen	13/08/2021	1/12/2022
DriscollsAustraliaPty Ltd	Palmwoods,QLD	Fragaria spp., Vaccinium spp., Rubus spp.	Irrigated fieldtrial areas, laboratory facilities, glasshouse	Jennifer Moisander	13/12/2016	1/12/2022
GrapeCoPty Ltd	South Merbein,VIC	Vitis vinifera (Table Grapeonly)	Drip irrigation.Cool rooms are being installed	Ms Alison MacGregor	24/03/2022	1/02/2022
Australian HorticulturalServices	Wonga Park, VIC	Lavandula	Indoor and out growing areas	M. Lunghusen	19/12/2018	1/12/2022

Name	Location	Approved Genera	Facilities	Name of QP	Date of accreditat ionon	Next review date
Haar's Nursery	Somerville,VIC	Erysimum, Impatiens**Nemesia	Propagation greenhouses;indoor and outdoor growing areas	M. Lunghusen	19/12/2018	1/12/2020
Australian HorticulturalServices	5 Lower HomesteadRd Wonga Park, VIC3115	Lagerstroemia	Outdoor and indoor growingareas	M. Lunghusen	13/08/2021	1/12/2022

Appendix 4 – Register of Plant Varieties

The Register of Plant Varieties contains the legal description of varieties granted Plant Breeder's Rights. These details are freely accessible through the Australian Plant breeder's rights search. A copy of an entry in the Register may be purchased by contacting the PBR office at pbr@ipaustralia.gov.au