



# Plant Varieties Journal

Quarter Three

Volume 32

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

This part of the *Plant Varieties Journal* provides public notices on Acceptances, Variety Descriptions, Grants and Variations etc. The Public Notices pages of *Plant Varieties Journal* (Vol. 32 Issue 3) are listed below:

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**ACCEPTANCE:**

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

*Acacia cognata*

BOWER WATTLE, RIVER WATTLE

**‘AC0021’**

Application No: 2018/291 Accepted: 01 Jul 2019

Applicant: **Dryandra Nursery.**

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

*Lactuca sativa*

LETTUCE

**‘HELADA’**

Application No: 2019/087 Accepted: 01 Jul 2019

Applicant: **Nunhems B.V.**

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

*Phormium tenax*

NEW ZEALAND FLAX

**‘BN01’**

Application No: 2019/099 Accepted: 03 Jul 2019

Applicant: **Quito Pty Ltd trading as Benara Nurseries**, Carabooda, WA.

*x Mangave* .

**‘Lavender Lady’**

Application No: 2019/089 Accepted: 03 Jul 2019

Applicant: **Walters Gardens, Inc.**

Agent: **Sprint Horticulture Pty Ltd**, Peats Ridge, NSW.

*Sempervivum hybrid*

**‘GoldNugget’**

Application No: 2019/112 Accepted: 05 Jul 2019

Applicant: **Christopher M. Hansen.**

Agent: **Sprint Horticulture Pty Ltd**, Peats Ridge, NSW.

*Triticum aestivum*

**‘Sunchaser’**

Application No: 2019/113 Accepted: 08 Jul 2019

Applicant: **Australian Grain Technologies Pty Ltd**, Roseworthy, SA.

*x Mangave* .

**‘MissiontoMars’**

Application No: 2019/088 Accepted: 08 Jul 2019

Applicant: **Walters Gardens, Inc.**

Agent: **Sprint Horticulture Pty Ltd**, Peats Ridge, NSW.

*Chamelaucium floriferum*

WAXFLOWER

**‘WCH13’**

Application No: 2019/104 Accepted: 09 Jul 2019

Applicant: **Botanic Gardens and Parks Authority**.

Agent: **Helix Australia (Goldsash Corporation Pty Ltd)**, Malvern, VIC.

*Chamelaucium floriferum*

WAXFLOWER

**‘WCH12’**

Application No: 2019/105 Accepted: 09 Jul 2019

Applicant: **Botanic Gardens and Parks Authority**.

Agent: **Helix Australia (Goldsash Corporation Pty Ltd)**, Malvern, VIC.

*Podocarpus macrophyllus*

**‘Miu’**

Application No: 2019/110 Accepted: 11 Jul 2019

Applicant: **Yoshio Sato**.

Agent: **Sprint Horticulture Pty Ltd**, Peats Ridge, NSW.

*Podocarpus macrophyllus*

**‘Sosa’**

Application No: 2019/111 Accepted: 11 Jul 2019

Applicant: **Yoshio Sato**.

Agent: **Sprint Horticulture Pty Ltd**, Peats Ridge, NSW.

*Malus domestica*

APPLE

**‘BellaRosa’**

Application No: 2019/101 Accepted: 12 Jul 2019

Applicant: **Fruit Varieties International Pty Ltd**, Grove, TAS.

*Triticum aestivum*

WHEAT

**‘Catapult’**

Application No: 2019/106 Accepted: 18 Jul 2019

Applicant: **Australian Grain Technologies Pty Ltd**, Roseworthy, SA.

*Lactuca sativa*

LETTUCE

**‘CORTAZAR’**

Application No: 2019/085 Accepted: 19 Jul 2019

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

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

*Lactuca sativa*

LETTUCE

**‘KIAMBI’**

Application No: 2019/084 Accepted: 19 Jul 2019

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

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

*Lactuca sativa*

LETTUCE

**‘DAVINCI’**

Application No: 2019/083 Accepted: 19 Jul 2019

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

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

*Anigozanthos hybrid*

KANGAROO PAW

**‘Rambovita’**

Application No: 2019/116 Accepted: 29 Jul 2019

Applicant: **Ramm Botanicals Holdings Pty Ltd.**

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

*Prunus x gondounii (Poit & Turpin) Rehder*

**‘STO 1’**

Application No: 2019/126 Accepted: 29 Jul 2019

Applicant: **Peter Stoppel.**

Agent: **Eurofins Agroscience Services**, Shepparton, VIC.

*Prunus cerasus L. x P. x schmittii Rehder*

**‘STO 2’**

Application No: 2019/125 Accepted: 29 Jul 2019

Applicant: **Peter Stoppel.**

Agent: **Eurofins Agroscience Services**, Shepparton, VIC.

*Anigozanthos hybrid*

KANGAROO PAW

**‘Ramboprise’**

Application No: 2019/117 Accepted: 29 Jul 2019

Applicant: **Ramm Botanicals Holdings Pty Ltd.**

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

*Lens culinaris*

**‘PBA HighlandXT’ syn Highland XT, Highland**

Application No: 2019/137 Accepted: 29 Jul 2019

Applicant: **Agriculture Victoria Services Pty Ltd; Grains Research and Development Corporation.**

Agent: **PB Seeds Pty Ltd**, Horsham, VIC.

*Prunus cerasus L x (Prunus avium L x Prunus canescens Bois)*

**‘STO 3’**

Application No: 2019/127 Accepted: 29 Jul 2019

Applicant: **Peter Stoppel.**

Agent: **Eurofins Agroscience Services**, Shepparton, VIC.

*Anigozanthos hybrid*

KANGAROO PAW

**‘Ramboglow’**

Application No: 2019/118 Accepted: 29 Jul 2019

Applicant: **Ramm Botanicals Holdings Pty Ltd.**

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

*Anigozanthos hybrid*

KANGAROO PAW

**‘Rambocess’**

Application No: 2019/121 Accepted: 30 Jul 2019

Applicant: **Ramm Botanicals Holdings Pty Ltd.**

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

*Lagerstroemia hybrid*

CREPE MYRTLE

**‘Cherry Mocha’**

Application No: 2019/132 Accepted: 30 Jul 2019

Applicant: **Walter Gardens, Inc.**

Agent: **Sprint Horticulture Pty Ltd**, Peats Ridge, NSW.

*Anigozanthos hybrid*

KANGAROO PAW

**‘Rambofire’**

Application No: 2019/122 Accepted: 31 Jul 2019

Applicant: **Ramm Botanicals Holdings Pty Ltd.**

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

*Lagerstroemia hybrid*

**‘Like a Latte’**

Application No: 2019/133 Accepted: 31 Jul 2019

Applicant: **Walter Gardens, Inc.**

Agent: **Sprint Horticulture Pty Ltd**, Peats Ridge, NSW.

*Pyrus calleryana x pyrifolia*

CALLERY PEAR

**‘NCPX1’**

Application No: 2019/115 Accepted: 01 Aug 2019

Applicant: **North Carolina State University**.

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

*Anigozanthos hybrid*

KANGAROO PAW

**‘Rambozest’**

Application No: 2019/119 Accepted: 01 Aug 2019

Applicant: **Ramm Botanicals Holdings Pty Ltd**.

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

*Anigozanthos hybrid*

KANGAROO PAW

**‘Ramboflare’**

Application No: 2019/120 Accepted: 01 Aug 2019

Applicant: **Ramm Botanicals Holdings Pty Ltd**.

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

*Anigozanthos hybrid*

KANGAROO PAW

**‘Rambojoke’**

Application No: 2019/123 Accepted: 01 Aug 2019

Applicant: **Ramm Botanicals Holdings Pty Ltd**.

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

*Festuca arundinacea Shreb*

TALL FESCUE

**‘Lagertha’**

Application No: 2019/124 Accepted: 01 Aug 2019

Applicant: **PGG Wrightson Seeds Limited; Rutgers, the State University of New Jersey**, Lincoln, NZ.

*Prunus hybrid*

CHERRY

**‘NCPH1’**

Application No: 2019/128 Accepted: 01 Aug 2019

Applicant: **North Carolina State University**.

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

*Avena sativa*

OATS

**‘Dynasty’ syn PAL18**

Application No: 2019/109 Accepted: 05 Aug 2019

Applicant: **NDSU Research Foundation**.

Agent: **Palafor Partners Pty Ltd**, Mountain Creek, QLD.

*Trifolium repens*

WHITE CLOVER

**‘Emblem’**

Application No: 2019/131 Accepted: 06 Aug 2019

Applicant: **Grasslands Innovation Limited**, Tennent Drive, NZ.

*Triticum turgidum subsp. Durum*

DURUM WHEAT

**‘Westcourt’**

Application No: 2019/135 Accepted: 07 Aug 2019

Applicant: **Australian Grain Technologies Pty Ltd**, Roseworthy, SA.

*Prunus avium*

SWEET CHERRY

**‘Final 131’**

Application No: 2019/048 Accepted: 07 Aug 2019

Applicant: **Peter Stoppel**.

Agent: **Eurofins Agrosience Services**, Shepparton, VIC.

*Triticum aestivum*

WHEAT

**‘RockStar’**

Application No: 2019/108 Accepted: 07 Aug 2019  
Applicant: **InterGrain Pty Ltd**, Bibra Lake, WA.

*Triticum turgidum subsp. Durum*

DURUM WHEAT

**‘Bitalli’**

Application No: 2019/136 Accepted: 07 Aug 2019  
Applicant: **Australian Grain Technologies Pty Ltd**, Roseworthy, SA.

*Prunus persica*

PEACH

**‘Sauzee Dutchess’**

Application No: 2019/102 Accepted: 08 Aug 2019  
Applicant: **Zaiger's Inc. Genetics**.  
Agent: **Graham's Factree Pty Ltd**, Hoddles Creek, VIC.

*Trifolium repens*

WHITE CLOVER

**‘Brace’ syn GWT 13039**

Application No: 2019/130 Accepted: 09 Aug 2019  
Applicant: **Grasslands Innovation Limited**, Tennent Drive, NZ.

*Vicia faba*

FIELD BEAN

**‘PBA Amberley’ syn Amberley**

Application No: 2019/139 Accepted: 20 Aug 2019  
Applicant: **The University of Adelaide, Grains Research and Development Corporation**.  
Agent: **The University of Adelaide**, Adelaide, SA.

*Avena sativa*

OATS

**‘Regency’ syn PAL21**

Application No: 2019/153 Accepted: 21 Aug 2019

Applicant: **Texas A&M Agrilife Research.**

Agent: **Palafor Partners**, Toowoomba, QLD.

*Triticum aestivum*

WHEAT

**‘LONGREACH PARAKEET’ syn LRPB PARAKEET**

Application No: 2019/155 Accepted: 22 Aug 2019

Applicant: **LongReach Plant Breeders Management Pty. Ltd..**

Agent: **Shafiya Hussein**, Lonsdale, SA.

*Triticum aestivum*

WHEAT

**‘LONGREACH NYALA’ syn LRPB NYALA**

Application No: 2019/154 Accepted: 22 Aug 2019

Applicant: **LongReach Plant Breeders Management Pty. Ltd..**

Agent: **Shafiya Hussein**, Lonsdale, SA.

*Triticum aestivum*

**‘LONGREACH HELLFIRE’ syn LRPB HELLFIRE**

Application No: 2019/147 Accepted: 22 Aug 2019

Applicant: **LongReach Plant Breeders Management Pty. Ltd..**

Agent: **Shafiya Hussein**, Lonsdale, SA.

*Triticum aestivum*

WHEAT

**‘LONGREACH NIGHTHAWK’ syn LRPB NIGHTHAWK**

Application No: 2019/146 Accepted: 22 Aug 2019

Applicant: **LongReach Plant Breeders Management Pty. Ltd..**

Agent: **Shafiya Hussein**, Lonsdale, SA.

*Solanum tuberosum*

POTATO

**‘Crop35’**

Application No: 2019/141 Accepted: 22 Aug 2019

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

*Ficus carica*

NATIVE FIG, ROCK FIG

**‘S-49’**

Application No: 2019/107 Accepted: 26 Aug 2019

Applicant: **Family Tree Farms, Inc.**

Agent: **Griffith Hack**, Perth, WA.

*Rubus idaeus*

RASPBERRY

**‘SantaCatalina’**

Application No: 2018/218 Accepted: 26 Aug 2019

Applicant: **Consortio Tecnológico de la Industria Hortofrutícola, Pontificia Universidad Católica de Chile**.

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

*Persea americana Mill.*

AVOCADO

**‘SHSR-04’**

Application No: 2019/129 Accepted: 27 Aug 2019

Applicant: **Sunshine Horticultural Services Pty Ltd; Horticulture Innovation Australia Ltd; George Hulme Green**, Woodgate, QLD.

*Prunus persica*

PEACH

**‘Zee Rich’**

Application No: 2019/142 Accepted: 28 Aug 2019

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

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

*Loropetalum chinense*

CHINESE FRINGE FLOWER

**‘Iwai’**

Application No: 2018/302 Accepted: 06 Sep 2019

Applicant: **Yuji Suzuki**.

Agent: **Sprint Horticulture Pty Ltd**, Peats Ridge, NSW.

*Malus domestica*

APPLE

**‘ANABP 14’**

Application No: 2019/163 Accepted: 10 Sep 2019

Applicant: **Western Australian Agriculture Authority**, South Perth, WA.

*Malus domestica*

APPLE

**‘ANABP 12’**

Application No: 2019/162 Accepted: 10 Sep 2019

Applicant: **Western Australian Agriculture Authority**, South Perth, WA.

*Malus domestica*

APPLE

**‘ANABP 11’**

Application No: 2019/164 Accepted: 10 Sep 2019

Applicant: **Western Australian Agriculture Authority**, South Perth, WA.

*Citrullus lanatus*

WATERMELON

**‘SP-7’**

Application No: 2019/143 Accepted: 11 Sep 2019

Applicant: **SYNGENTA PARTICIPATIONS AG**.

Agent: **Syngenta Australia Pty. Ltd.**, , NSW.

*Solanum tuberosum*

POTATO

**‘ALOUETTE’**

Application No: 2019/152 Accepted: 11 Sep 2019  
Applicant: **Kweek- en Researchbedrijf Agrico B.V.**  
Agent: **Agrico Australia**, Ridgley, TAS.

*Hordeum vulgare*

BARLEY

**‘Laperouse’**

Application No: 2019/148 Accepted: 11 Sep 2019  
Applicant: **The University of Adelaide**, Adelaide, SA.

*Solanum tuberosum*

POTATO

**‘Vanilla’**

Application No: 2019/145 Accepted: 11 Sep 2019  
Applicant: **Irish Potato Marketing Ltd**, Little Hampton, SA.

*Peperomia peruviana x marmorata*

**‘Dans-Sunrise’**

Application No: 2019/157 Accepted: 12 Sep 2019  
Applicant: **Eden Collection B.V.**  
Agent: **Dan's Plants**, Heatherton, VIC.

*Leptospermum petersonii*

LEMON-SCENTED TEA TREE

**‘B-geraniol’**

Application No: 2019/071 Accepted: 12 Sep 2019  
Applicant: **Greg Colin Trevena**, Byron Bay, NSW.

*Leptospermum petersonii*

LEMON-SCENTED TEA TREE

**‘B-alpha pinene’**

Application No: 2019/070 Accepted: 12 Sep 2019  
Applicant: **Greg Colin Trevena**, Byron Bay, NSW.

*Leptospermum petersonii*

LEMON-SCENTED TEA TREE

**‘B-geranyl acetate’**

Application No: 2019/072 Accepted: 12 Sep 2019  
Applicant: **Greg Colin Trevena**, Byron Bay, NSW.

*Helleborus hybrid*

WINTER ROSE

**‘EPB21’ syn Charmer**

Application No: 2019/140 Accepted: 13 Sep 2019  
Applicant: **Rodney Davey and Lynda Windsor**.  
Agent: **Plants Management Australia Pty Ltd**, Dodges Ferry, TAS.

*Lavandula pedunculata*

**‘Pinkberry Ruffles’**

Application No: 2019/167 Accepted: 16 Sep 2019  
Applicant: **Plant Growers Australia**.  
Agent: **Plants Management Australia Pty. Ltd.**, Dodges Ferry, TAS.

*Armeria pseudarmeria*

THRIFT

**‘Dream Weaver’**

Application No: 2019/166 Accepted: 16 Sep 2019  
Applicant: **Plant Growers Australia**.  
Agent: **Plants Management Australia Pty. Ltd.**, Dodges Ferry, TAS.

*Tetradlea thymifolia*

BLACK EYED SUSAN

**‘Fairy Bells Mauve’**

Application No: 2019/150 Accepted: 16 Sep 2019

Applicant: **Plant Growers Australia Pty Ltd.**

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

*Tetradlea thymifolia*

BLACK EYED SUSAN

**‘Fairy Bells Deep Pink’**

Application No: 2019/151 Accepted: 16 Sep 2019

Applicant: **Plant Growers Australia Pty Ltd.**

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

*Lavandula pedunculata*

SPANISH LAVENDER

**‘Razzleberry Ruffles’**

Application No: 2019/203 Accepted: 17 Sep 2019

Applicant: **Plant Growers Australia.**

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

*Prunus avium*

**‘SPC136’ syn Suite Note**

Application No: 2019/202 Accepted: 17 Sep 2019

Applicant: **Her Majesty the Queen in Right of Canada as represented by the Minister of Agriculture and Agri-Food.**

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

*Epichloe festucae var. lolii*

FUNGAL ENDOPHYTE

**‘CM142’**

Application No: 2019/064 Accepted: 19 Sep 2019

Applicant: **Cropmark Seeds Australia Pty Ltd**, South Melbourne, VIC.

*Lactuca sativa L.*

LETTUCE

**‘MULTIGREEN 114’**

Application No: 2019/187 Accepted: 23 Sep 2019

Applicant: **Nunhems B.V.**

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

*Malus domestica*

APPLE

**‘ANABP 13’**

Application No: 2019/161 Accepted: 23 Sep 2019

Applicant: **Western Australian Agriculture Authority**, South Perth, WA.

*Lavandula pedunculata*

SPANISH LAVENDER

**‘Friff Seeker’**

Application No: 2019/200 Accepted: 24 Sep 2019

Applicant: **Plant Growers Australia**.

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

*Lampranthus hybrid*

**‘Raspberry Explosion’**

Application No: 2019/199 Accepted: 24 Sep 2019

Applicant: **Plant Growers Australia**.

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

*Lampranthus hybrid*

**‘Mauve Explosion’**

Application No: 2019/198 Accepted: 24 Sep 2019

Applicant: **Plant Growers Australia**.

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

*Lampranthus hybrid*

**‘Coral Explosion’**

Application No: 2019/197 Accepted: 24 Sep 2019

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

*Philodendron bipinnatifidum*

PHILODENDRON

**‘Shangri-La’**

Application No: 2019/158 Accepted: 26 Sep 2019  
Applicant: **Terence Charles Keogh**, Victoria Point, QLD.

*Clusia rosea*

**‘LICLUS01’**

Application No: 2019/175 Accepted: 27 Sep 2019  
Applicant: **Licro B.V.**  
Agent: **Davies Collison Cave Pty Ltd**, Wellington, NZ.

*Prunus persica*

PEACH

**‘FZ1741’**

Application No: 2019/176 Accepted: 27 Sep 2019  
Applicant: **Francesco Rosario Zirilli, Francesca Zirilli.**  
Agent: **Maxwells Patent & Trade Mark Attorneys Pty Ltd**, Sydney, NSW.

## Variety Descriptions

<a href="#">Common</a> ( <a href="#">Genus</a> <a href="#">Species</a> )	<a href="#">Variety</a>	<a href="#">Title Holder</a>
<a href="#">Kiwifruit</a> ( <i><a href="#">Actinidia chinensis</a></i> )	HFR18	Deyang Professional Academy of Kiwifruit
<a href="#">Sprouting Broccoli</a> ( <i><a href="#">Brassica oleracea</a></i> )	Sano Verde Max SGS	Caudill Seed Company, Inc
<a href="#">Sweet Pepper</a> ( <i><a href="#">Capsicum annuum</a></i> )	SV0872PB	Seminis Vegetable Seeds, Inc.
<a href="#">Sweet Pepper</a> ( <i><a href="#">Capsicum annuum</a></i> )	SVPB3835	Seminis Vegetable Seeds, Inc.
<a href="#">Mandarin</a> ( <i><a href="#">Citrus clementina</a></i> )	OCT488	AGRIDELMED S.L.
<a href="#">Mandarin</a> ( <i><a href="#">Citrus reticulata</a></i> )	AC41114	Craig Robert Pressler as Trustee for C & B Pressler Family Trust; Bindi Kristine Pressler as Trustee for C & B Pressler Family Trust
<a href="#">Mandarin</a> ( <i><a href="#">Citrus reticulata</a></i> )	AC4916	Craig Robert Pressler as Trustee for C & B Pressler Family Trust; Bindi Kristine Pressler as Trustee for C & B Pressler Family Trust
<a href="#">Mandarin</a> ( <i><a href="#">Citrus reticulata</a></i> )	th01-queen	Angel Teresa Hermanos S.A.
<a href="#">Sweet Orange</a> ( <i><a href="#">Citrus sinensis</a></i> )	Greenwood Navel	Merewyn Pty Ltd
<a href="#">Melon</a> ( <i><a href="#">Cucumis melo</a></i> )	Silverball	Nunhems B.V.
<a href="#">Tall Fescue</a> ( <i><a href="#">Festuca arundinacea</a></i> )	Barnaby	The Department of Primary Industries, an office of DTIRIS for and on behalf of the state of NSW, Meat & Livestock Australia
<a href="#">Strawberry</a> ( <i><a href="#">Fragaria x ananassa</a></i> )	Merced	The Regents of the University of California
<a href="#">Strawberry</a> ( <i><a href="#">Fragaria x ananassa</a></i> )	Florida Beauty	Florida Foundation Seed Producers, Inc.
<a href="#">Strawberry</a> ( <i><a href="#">Fragaria X ananassa</a></i> )	MYAG-HB	Miyoshi & Co., Ltd.
<a href="#">Strawberry</a> ( <i><a href="#">Fragaria X ananassa</a></i> )	FL13.26-134	Florida Foundation Seed Producers, Inc.

<a href="#"><u>Strawberry (<i>Fragaria xananassa</i>)</u></a>	BS20-5-1	Miyoshi & Co., Ltd.
<a href="#"><u>Strawberry (<i>Fragaria xananassa</i>)</u></a>	Peles	Efraim Yosef
<a href="#"><u>Strawberry (<i>Fragaria xananassa</i>)</u></a>	Diligent	BERRY GENETICS, Inc.
<a href="#"><u>Barley (<i>Hordeum vulgare</i>)</u></a>	LEABROOK	The University of Adelaide
<a href="#"><u>Lettuce (<i>Lactuca sativa</i>)</u></a>	Jezabeel	Vilmorin
<a href="#"><u>Lettuce (<i>Lactuca sativa</i>)</u></a>	Tawrrific	Vilmorin
<a href="#"><u>Lentil (<i>Lens culinaris</i>)</u></a>	PBA Hallmark XT	Agriculture Victoria Services Pty Ltd, Grains Research and Development Corporation
<a href="#"><u>(<i>Magnolia</i>)</u></a>	Inspiration	Barry Sligh
<a href="#"><u>Michelia (<i>Magnolia hybrid</i>)</u></a>	MXWPCN	Coolwyn Nurseries Pty Ltd
<a href="#"><u>Apple (<i>Malus domestica</i>)</u></a>	PremA96	Prevar Ltd
<a href="#"><u>Lucerne (<i>Medicago sativa</i>)</u></a>	Silverosa	Springbrook Nominees Pty Ltd
<a href="#"><u>Tea Tree (<i>Melaleuca alternifolia</i>)</u></a>	Beecroft Super Tree	Anthony Ian Marnane
<a href="#"><u>(<i>Peperomia albovittata</i>)</u></a>	Piccolo Banda	Eden Collection B.V.
<a href="#"><u>(<i>Peperomia caperata</i>)</u></a>	Moonlight	Eden Collection B.V.
<a href="#"><u>(<i>Peperomia marmorata x metallica</i>)</u></a>	Eden Rosso	Eden Collection B.V.
<a href="#"><u>(<i>Peperomia peruviana x marmorata</i>)</u></a>	Napoli Nights	Eden Collection B.V.
<a href="#"><u>Avocado (<i>Persea americana</i>)</u></a>	Premero	David Frank Tate
<a href="#"><u>Nectarine (<i>Prunus persica var nucipersica</i>)</u></a>	Moncante	Rene Montoux-Caillet
<a href="#"><u>European Pear (<i>Pyrus communis</i>)</u></a>	Thimo	Wolfgang Muller, Baum-und Rosenschule
<a href="#"><u>Raspberry (<i>Rubus idaeus</i>)</u></a>	NR7	Pacific Berries LLC
<a href="#"><u>Raspberry (<i>Rubus idaeus</i>)</u></a>	OVATION	PLANT SCIENCES, Inc.
<a href="#"><u>Lilly Pilly (<i>Syzygium</i>)</u></a>	CHERRY	Reline Management Pty Ltd ATF The Cole

<a href="#"><i>australe</i></a>	BOMB	Unit Trust
<a href="#">(<i>Syzygium australe</i>)</a>	Little Dazza	Reline Management Pty Ltd ATF The Cole Unit Trust
<a href="#">Lilly Pilly (<i>Syzygium australe</i>)</a>	PLUM MAGIC	Reline Management Pty Ltd ATF The Cole Unit Trust
<a href="#">White Clover (<i>Trifolium repens</i>)</a>	Quartz	Grasslands Innovation Ltd.
<a href="#">Blueberry (<i>Vaccinium corymbosum</i>)</a>	Ridley 1108	Mountain Blue Orchards Pty Ltd
<a href="#">(<i>Vigna mungo</i>)</a>	Onyx-AU	Department of Agriculture and Fisheries, Grains Research and Development Corporation
<a href="#">Grape vine (<i>Vitis vinifera</i> x {<i>Vitis longii</i> x (<i>Vitis vinifera</i> x <i>Vitis spp.</i>)}))</a>	M 44-14	CSIRO
<a href="#">Grape vine (<i>Vitis Vitis spp complex hybrid</i> x <i>Vitis vinifera</i>)</a>	M 48-42	CSIRO
<a href="#">Prickly Couch (<i>Zoysia macrantha</i>)</a>	ZMW-019	GeneGro Pty Ltd
<a href="#">Prickly Couch (<i>Zoysia macrantha</i>)</a>	ZMM-018	GeneGro Pty Ltd

## Plant Varieties Journal - Search Result Details

**(Magnolia )**

**Variety:** 'Inspiration'  
**Synonym:** N/A

**Application no:** 2016/252  
**Current status:** ACCEPTED  
**Certificate no:** N/A  
**Received:** 07-Sep-2016  
**Accepted:** 23-May-2017  
**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 32, Issue 3

**Title Holder:** Barry Sligh  
**Agent:** Lew Mathews, Mathews Botanics  
**Telephone:** N/A  
**Fax:** N/A

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



## Plant Varieties Journal - Search Result Details

**(*Peperomia albovittata*)****Variety:** 'Piccolo Banda'**Synonym:** N/A**Application no:** 2018/257**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 30-Aug-2018**Accepted:** 06-Sep-2018**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 32, Issue 3**Title Holder:** Eden Collection B.V.**Agent:** Dan's Plants**Telephone:** 0395514888**Fax:** N/A

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



## Plant Varieties Journal - Search Result Details

**(*Peperomia caperata*)****Variety:** 'Moonlight'**Synonym:** N/A**Application no:** 2018/256**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 31-Aug-2018**Accepted:** 06-Sep-2018**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 32, Issue 3**Title Holder:** Eden Collection B.V.**Agent:** Dan's Plants**Telephone:** 0395514888**Fax:** N/A

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



## Plant Varieties Journal - Search Result Details

**(*Peperomia marmorata x metallica*)**

**Variety:** 'Eden Rosso'  
**Synonym:** N/A

**Application no:** 2016/212

**Current status:** ACCEPTED

**Certificate no:** N/A

**Received:** 28-Jul-2016

**Accepted:** 02-Sep-2016

**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 32, Issue 3

**Title Holder:** Eden Collection B.V.

**Agent:** Paradisia Pty Ltd

**Telephone:** 0397004888

**Fax:** N/A

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



## Plant Varieties Journal - Search Result Details

**(*Peperomia peruviana x marmorata*)****Variety:** 'Napoli Nights'**Synonym:** N/A**Application no:** 2018/254**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 30-Aug-2018**Accepted:** 06-Sep-2018**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 32, Issue 3**Title Holder:** Eden Collection B.V.**Agent:** Dan's Plants**Telephone:** 0395514888**Fax:** N/A

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



## Plant Varieties Journal - Search Result Details

**(*Vigna mungo*)**

**Variety:** 'Onyx-AU'  
**Synonym:** N/A

**Application no:** 2017/063  
**Current status:** ACCEPTED  
**Certificate no:** N/A  
**Received:** 22-Mar-2017  
**Accepted:** 03-May-2017  
**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 32, Issue 3

**Title:** Department of Agriculture and Fisheries, Grains Research and Development Corporation  
**Holder:** Development Corporation  
**Agent:** N/A  
**Telephone:** 0745294210  
**Fax:** N/A

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



## Plant Varieties Journal - Search Result Details

**(*Syzygium australe*)**

**Variety:** 'Little Dazza'  
**Synonym:** N/A

**Application no:** 2018/309

**Current status:** ACCEPTED

**Certificate no:** N/A

**Received:** 25-Oct-2018

**Accepted:** 18-Dec-2018

**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 32, Issue 3

**Title Holder:** Reline Management Pty Ltd ATF The Cole Unit Trust

**Agent:** N/A

**Telephone:** 0894179834

**Fax:** N/A

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



## Plant Varieties Journal - Search Result Details

**Apple (*Malus domestica*)****Variety:** 'PremA96'**Synonym:** N/A**Application no:** 2012/282**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 11-Dec-2012**Accepted:** 01-Feb-2013**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 32, Issue 3**Title Holder:** Prevar Ltd**Agent:** Australian Nurserymen's Fruit Improvement Company (ANFIC) Ltd**Telephone:** 0734919905**Fax:** 0734919929

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



## Plant Varieties Journal - Search Result Details

**Avocado (*Persea americana*)****Variety:** 'Premero'**Synonym:** Premiero**Application no:** 2015/342**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 15-Dec-2015**Accepted:** 29-Jan-2016**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 32, Issue 3

**Title Holder:** David Frank Tate**Agent:** N/A**Telephone:** 0266564620**Fax:** N/A

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



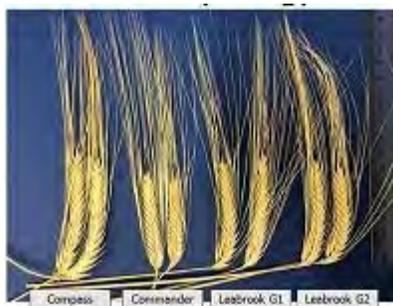
## Plant Varieties Journal - Search Result Details

**Barley (*Hordeum vulgare*)****Variety:** 'LEABROOK'**Synonym:** N/A**Application no:** 2017/197**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 27-Jun-2017**Accepted:** 04-Sep-2017**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 32, Issue 3

**Title Holder:** The University of Adelaide**Agent:** N/A**Telephone:** N/A**Fax:** N/A

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



## Plant Varieties Journal - Search Result Details

**Blueberry (*Vaccinium corymbosum*)****Variety:** 'Ridley 1108'**Synonym:** N/A**Application no:** 2018/030**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 21-Feb-2018**Accepted:** 08-Mar-2018**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 32, Issue 3**Title Holder:** Mountain Blue Orchards Pty Ltd**Agent:** N/A**Telephone:** 0266248258**Fax:** 0266246070

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



**'Ridley4408'**



**'Ridley1108'**

## Plant Varieties Journal - Search Result Details

**European Pear (*Pyrus communis*)**

**Variety:** 'Thimo'  
**Synonym:** N/A

**Application no:** 2009/044  
**Current status:** ACCEPTED  
**Certificate no:** N/A  
**Received:** 20-Mar-2009  
**Accepted:** 27-Apr-2009  
**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 32, Issue 3

**Title Holder:** Wolfgang Muller, Baum-und Rosenschule  
**Agent:** Crop & Nursery Services  
**Telephone:** 0243810051  
**Fax:** 0284691896

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



## Plant Varieties Journal - Search Result Details

**Grape vine (*Vitis vinifera* x {*Vitis longii* x (*Vitis vinifera* x *Vitis* spp.)})****Variety:** 'M 44-14'**Synonym:** N/A**Application no:** 2011/055**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 28-Mar-2011**Accepted:** 05-Aug-2011**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 32, Issue 3**Title Holder:** CSIRO**Agent:** N/A**Telephone:** 0262464911**Fax:** 0262465000

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



## Plant Varieties Journal - Search Result Details

**Grape vine (*Vitis Vitis spp complex hybrid x Vitis vinifera*)**

**Variety:** 'M 48-42'  
**Synonym:** Black Gem

**Application no:** 2011/018

**Current status:** ACCEPTED

**Certificate no:** N/A

**Received:** 25-Jan-2011

**Accepted:** 30-Mar-2011

**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 32, Issue 3

**Title Holder:** CSIRO

**Agent:** N/A

**Telephone:** 0262464911

**Fax:** 0262465000

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



## Plant Varieties Journal - Search Result Details

**Kiwifruit (*Actinidia chinensis*)**

**Variety:** 'HFR18'  
**Synonym:** HONGSHI 2

**Application no:** 2018/099  
**Current status:** ACCEPTED  
**Certificate no:** N/A  
**Received:** 10-Apr-2018  
**Accepted:** 30-May-2018  
**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 32, Issue 3

**Title Holder:** Deyang Professional Academy of Kiwifruit  
**Agent:** BLOOMZ New Zealand Limited  
**Telephone:** 6421506000  
**Fax:** N/A

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



## Plant Varieties Journal - Search Result Details

**Lentil (*Lens culinaris*)****Variety:** 'PBA Hallmark XT'**Synonym:** Hallmark XT**Application no:** 2018/217**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 25-Jul-2018**Accepted:** 12-Sep-2018**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 32, Issue 3**Title:** Agriculture Victoria Services Pty Ltd, Grains Research and**Holder:** Development Corporation**Agent:** PB Seeds Pty. Ltd.**Telephone:** 0353827292**Fax:** 0353824282

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



## Plant Varieties Journal - Search Result Details

**Lettuce (*Lactuca sativa*)****Variety:** 'Jezabeel'**Synonym:** N/A**Application no:** 2015/200**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 17-Jul-2015**Accepted:** 19-Aug-2015**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 32, Issue 3

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

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



## Plant Varieties Journal - Search Result Details

**Lettuce (*Lactuca sativa*)****Variety:** 'Tawrrific'**Synonym:** N/A**Application no:** 2018/023**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 16-Feb-2018**Accepted:** 28-Feb-2018**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 32, Issue 3

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

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



'Tawrrific' 'Jezebel' 'Empire Rose'

## Plant Varieties Journal - Search Result Details

**Lilly Pilly (*Syzygium australe*)****Variety:** 'CHERRY BOMB'**Synonym:** Mighty Dazza**Application no:** 2019/012**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 24-Jan-2019**Accepted:** 07-Feb-2019**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 32, Issue 3

**Title Holder:** Reline Management Pty Ltd ATF The Cole Unit Trust**Agent:** N/A**Telephone:** 0894179834**Fax:** N/A

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



## Plant Varieties Journal - Search Result Details

**Lilly Pilly (*Syzygium australe*)**

**Variety:** 'PLUM MAGIC'  
**Synonym:** Dazzling Dazza

**Application no:** 2019/013

**Current status:** ACCEPTED

**Certificate no:** N/A

**Received:** 24-Jan-2019

**Accepted:** 07-Feb-2019

**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 32, Issue 3

**Title Holder:** Reline Management Pty Ltd ATF The Cole Unit Trust

**Agent:** N/A

**Telephone:** 0894179834

**Fax:** N/A

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



## Plant Varieties Journal - Search Result Details

**Lucerne (*Medicago sativa*)**

**Variety:** 'Silverosa'  
**Synonym:** Silverosa GT

**Application no:** 2012/152

**Current status:** ACCEPTED

**Certificate no:** N/A

**Received:** 07-Aug-2012

**Accepted:** 15-Oct-2012

**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 32, Issue 3

**Title Holder:** Springbrook Nominees Pty Ltd

**Agent:** N/A

**Telephone:** 0418833579

**Fax:** 0882787277

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



## Plant Varieties Journal - Search Result Details

**Mandarin (*Citrus clementina*)**

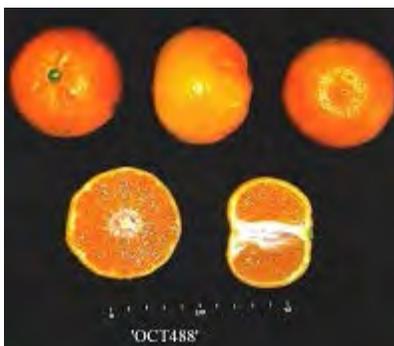
**Variety:** 'OCT488'  
**Synonym:** N/A

**Application no:** 2016/109  
**Current status:** ACCEPTED  
**Certificate no:** N/A  
**Received:** 26-May-2016  
**Accepted:** 27-Jun-2016  
**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 32, Issue 3

**Title Holder:** AGRIDELMED S.L.  
**Agent:** Nu Leaf I.P. Pty Ltd  
**Telephone:** 0350248603  
**Fax:** 0350248973

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



## Plant Varieties Journal - Search Result Details

**Mandarin (*Citrus reticulata*)****Variety:** 'AC41114'**Synonym:** N/A**Application no:** 2011/212**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 16-Sep-2011**Accepted:** 18-Oct-2011**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 32, Issue 3

**Title Holder:** Craig Robert Pressler as Trustee for C & B Pressler Family Trust; Bindi Kristine Pressler as Trustee for C & B Pressler Family Trust

**Agent:** N/A**Telephone:** 0749820011**Fax:** N/A

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



## Plant Varieties Journal - Search Result Details

**Mandarin (*Citrus reticulata*)****Variety:** 'AC4916'**Synonym:** N/A**Application no:** 2011/213**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 16-Sep-2011**Accepted:** 18-Oct-2011**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 32, Issue 3

**Title Holder:** Craig Robert Pressler as Trustee for C & B Pressler Family Trust; Bindi Kristine Pressler as Trustee for C & B Pressler Family Trust

**Agent:** N/A**Telephone:** 0749820011**Fax:** N/A

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



## Plant Varieties Journal - Search Result Details

**Mandarin (*Citrus reticulata*)****Variety:** 'th01-queen'**Synonym:** N/A**Application no:** 2015/129**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 09-Jun-2015**Accepted:** 09-Mar-2017**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 32, Issue 3

**Title Holder:** Angel Teresa Hermanos S.A.**Agent:** Nu Leaf I.P. Pty Ltd**Telephone:** 0350248603**Fax:** 0350248973

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



## Plant Varieties Journal - Search Result Details

**Melon (*Cucumis melo*)**

**Variety:** 'Silverball'  
**Synonym:** Silverbullet

**Application no:** 2018/027

**Current status:** ACCEPTED

**Certificate no:** N/A

**Received:** 16-Feb-2018

**Accepted:** 28-May-2019

**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 32, Issue 3

**Title Holder:** Nunhems B.V.

**Agent:** Shelston IP

**Telephone:** 0297771111

**Fax:** 0292414666

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



## Plant Varieties Journal - Search Result Details

**Michelia (*Magnolia hybrid*)**

**Variety:** 'MXWPCN'  
**Synonym:** White Pearl

**Application no:** 2016/245

**Current status:** ACCEPTED

**Certificate no:** N/A

**Received:** 02-Sep-2016

**Accepted:** 15-May-2017

**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 32, Issue 3

**Title Holder:** Coolwyn Nurseries Pty Ltd

**Agent:** N/A

**Telephone:** 0397520266

**Fax:** 0397520266

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



## Plant Varieties Journal - Search Result Details

**Nectarine (*Prunus persica* var *nucipersica*)****Variety:** 'Moncante'**Synonym:** N/A**Application no:** 2014/321**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 19-Dec-2014**Accepted:** 13-Jan-2015**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 32, Issue 3

**Title Holder:** Rene Monteux-Caillet

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

**Telephone:** 0734919905

**Fax:** 0734919929

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



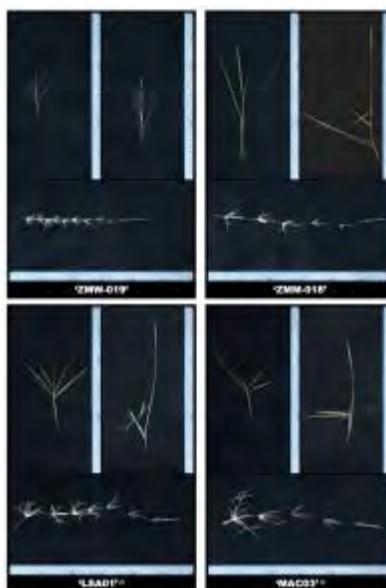
## Plant Varieties Journal - Search Result Details

**Prickly Couch (*Zoysia macrantha*)****Variety:** 'ZMW-019'**Synonym:** N/A**Application no:** 2016/166**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 28-Jun-2016**Accepted:** 28-Jul-2016**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 32, Issue 3

**Title Holder:** GeneGro Pty Ltd**Agent:** N/A**Telephone:** 0738245440**Fax:** 0738245445

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



## Plant Varieties Journal - Search Result Details

**Prickly Couch (*Zoysia macrantha*)****Variety:** 'ZMM-018'**Synonym:** N/A**Application no:** 2016/165**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 28-Jun-2016**Accepted:** 28-Jul-2016**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 32, Issue 3

**Title Holder:** GeneGro Pty Ltd**Agent:** N/A**Telephone:** 0738245440**Fax:** 0738245445

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



## Plant Varieties Journal - Search Result Details

**Raspberry (*Rubus idaeus*)****Variety:** 'NR7'**Synonym:** N/A**Application no:** 2014/036**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 27-Feb-2014**Accepted:** 11-Mar-2014**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 32, Issue 3

**Title Holder:** Pacific Berries LLC**Agent:** AJ Park**Telephone:** 044740893**Fax:** 044723358

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



## Plant Varieties Journal - Search Result Details

**Raspberry (*Rubus idaeus*)****Variety:** 'OVATION'**Synonym:** N/A**Application no:** 2018/303**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 11-Oct-2018**Accepted:** 26-Nov-2018**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 32, Issue 3

**Title Holder:** PLANT SCIENCES, Inc.**Agent:** Red Jewel Fruit Management Pty. Ltd.**Telephone:** 0290573000**Fax:** N/A

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



## Plant Varieties Journal - Search Result Details

**Sprouting Broccoli (*Brassica oleracea*)****Variety:** 'Sano Verde Max SGS'**Synonym:** N/A**Application no:** 2019/039**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 10-Mar-2019**Accepted:** 06-May-2019**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 32, Issue 3

**Title Holder:** Caudill Seed Company, Inc**Agent:** John Oates**Telephone:** 0264956555**Fax:** N/A

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



## Plant Varieties Journal - Search Result Details

**Strawberry (*Fragaria x ananassa*)**

**Variety:** 'Merced'  
**Synonym:** N/A

**Application no:** 2014/079  
**Current status:** ACCEPTED  
**Certificate no:** N/A  
**Received:** 30-Apr-2014  
**Accepted:** 19-May-2014  
**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 32, Issue 3

**Title Holder:** The Regents of the University of California  
**Agent:** Eurofins Agrisearch  
**Telephone:** 03 5821202  
**Fax:** 03 5831159

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



## Plant Varieties Journal - Search Result Details

**Strawberry (*Fragaria x ananassa*)****Variety:** 'Florida Beauty'**Synonym:** FL 12 121 5**Application no:** 2018/245**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 27-Aug-2018**Accepted:** 17-Oct-2018**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 32, Issue 3

**Title Holder:** Florida Foundation Seed Producers, Inc.**Agent:** Adrian M Trioli Patent and Trade Mark Attorney**Telephone:** 0394158568**Fax:** N/A

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



## Plant Varieties Journal - Search Result Details

**Strawberry (*Fragaria X ananassa*)**

**Variety:** 'MYAG-HB'  
**Synonym:** N/A

**Application no:** 2018/364  
**Current status:** ACCEPTED  
**Certificate no:** N/A  
**Received:** 07-Dec-2018  
**Accepted:** 20-Dec-2018  
**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 32, Issue 3

**Title Holder:** Miyoshi & Co., Ltd.  
**Agent:** Berry Sensation Pty Ltd  
**Telephone:** 0385458800  
**Fax:** N/A

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



## Plant Varieties Journal - Search Result Details

**Strawberry (*Fragaria X ananassa*)****Variety:** 'FL13.26-134'**Synonym:** N/A**Application no:** 2018/212**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 16-Jul-2018**Accepted:** 03-Oct-2018**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 32, Issue 3

**Title Holder:** Florida Foundation Seed Producers, Inc.**Agent:** Adrian M Trioli Patent and Trade Mark Attorney**Telephone:** 0394158568**Fax:** N/A

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



## Plant Varieties Journal - Search Result Details

**Strawberry (*Fragaria xananassa*)**

**Variety:** 'BS20-5-1'  
**Synonym:** N/A

**Application no:** 2017/332  
**Current status:** ACCEPTED  
**Certificate no:** N/A  
**Received:** 21-Nov-2017  
**Accepted:** 18-Dec-2017  
**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 32, Issue 3

**Title Holder:** Miyoshi & Co., Ltd.  
**Agent:** Berry Sensation Pty Ltd  
**Telephone:** 0385458800  
**Fax:** N/A

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



## Plant Varieties Journal - Search Result Details

**Strawberry (*Fragaria xananassa*)****Variety:** 'Peles'**Synonym:** N/A**Application no:** 2017/207**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 18-Jul-2017**Accepted:** 04-Jan-2018**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 32, Issue 3

**Title Holder:** Efraim Yosef**Agent:** Eurofins Agrosience Services Pty Ltd**Telephone:** 0358212021**Fax:** 0358311592

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



## Plant Varieties Journal - Search Result Details

**Strawberry (*Fragaria xananassa*)**

**Variety:** 'Diligent'  
**Synonym:** N/A

**Application no:** 2018/281  
**Current status:** ACCEPTED  
**Certificate no:** N/A  
**Received:** 12-Sep-2018  
**Accepted:** 25-Oct-2018  
**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 32, Issue 3

**Title Holder:** BERRY GENETICS, Inc.  
**Agent:** Red Jewel Fruit Management Pty. Ltd.  
**Telephone:** 0290573000  
**Fax:** N/A

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



## Plant Varieties Journal - Search Result Details

**Sweet Orange (*Citrus sinensis*)****Variety:** 'Greenwood Navel'**Synonym:** N/A**Application no:** 2016/266**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 20-Sep-2016**Accepted:** 19-Oct-2016**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 32, Issue 3

**Title Holder:** Merewyn Pty Ltd**Agent:** Arthur Edwards**Telephone:** N/A**Fax:** N/A

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



## Plant Varieties Journal - Search Result Details

**Sweet Pepper (*Capsicum annuum*)****Variety:** 'SV0872PB'**Synonym:** N/A**Application no:** 2018/011**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 29-Jan-2018**Accepted:** 21-Feb-2018**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 32, Issue 3

**Title Holder:** Seminis Vegetable Seeds, Inc.**Agent:** Monsanto Australia Limited**Telephone:** 0395227121**Fax:** 0395226121

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



## Plant Varieties Journal - Search Result Details

**Sweet Pepper (*Capsicum annuum*)****Variety:** 'SVPB3835'**Synonym:** N/A**Application no:** 2018/010**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 29-Jan-2018**Accepted:** 21-Feb-2018**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 32, Issue 3

**Title Holder:** Seminis Vegetable Seeds, Inc.**Agent:** Monsanto Australia Limited**Telephone:** 0395227121**Fax:** 0395226121

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



## Plant Varieties Journal - Search Result Details

**Tall Fescue (*Festuca arundinacea*)**

**Variety:** 'Barnaby'  
**Synonym:** N/A

**Application no:** 2014/319  
**Current status:** ACCEPTED  
**Certificate no:** N/A  
**Received:** 19-Dec-2014  
**Accepted:** 27-Jan-2015  
**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 32, Issue 3

**Title:** The Department of Primary Industries, an office of DTIRIS for and on behalf of the state of NSW, Meat & Livestock Australia  
**Holder:** Heritage Seeds Pty Ltd  
**Agent:** Heritage Seeds Pty Ltd  
**Telephone:** 0260265288  
**Fax:** N/A

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



## Plant Varieties Journal - Search Result Details

**Tea Tree (*Melaleuca alternifolia*)****Variety:** 'Beecroft Super Tree'**Synonym:** N/A**Application no:** 2017/312**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 27-Oct-2017**Accepted:** 20-Nov-2017**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 32, Issue 3**Title Holder:** Anthony Ian Marnane**Agent:** N/A**Telephone:** N/A**Fax:** N/A

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



## Plant Varieties Journal - Search Result Details

**White Clover (*Trifolium repens*)****Variety:** 'Quartz'**Synonym:** N/A**Application no:** 2016/080**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 24-Mar-2016**Accepted:** 20-Mar-2017**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 32, Issue 3

**Title Holder:** Grasslands Innovation Ltd.**Agent:** N/A**Telephone:** 6433218843**Fax:** N/A

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



<b>Details of Application</b>		
<b>Application Number</b>	2016/252	
<b>Variety Name</b>	'Inspiration'	
<b>Genus Species</b>	<i>Magnolia</i>	
<b>Common Name</b>		
<b>Synonym</b>	Nil	
<b>Accepted Date</b>	23 May 2017	
<b>Applicant</b>	Barry Sligh, Taunton Gardens and Nursery RD1, Lyttleton, NZ.	
<b>Agent</b>	Lew Mathews, Mathews Botanics, Varsity Lakes, QLD.	
<b>Qualified Person</b>	Christopher Prescott	
<b>Details of Comparative Trial</b>		
<b>Location</b>	Vika Ave, Monbulk Victoria	
<b>Descriptor</b>	PBR MAGN Magnolia	
<b>Period</b>	October 2017 to August 8 2019	
<b>Conditions</b>	The trial was set at a wholesale Nursery that specialises in this Genus amongst others in Monbulk Victoria. Plants of the candidate and plants of the comparators were generated by cuttings and potted eventually into 200mm pots in a pine bark mix that contained slow release fertiliser. Watering and disease management were maintained as part of a commercial Nursery enterprise. Examination took place when the first available flowers presented on the candidate on two year old plants.	
<b>Trial Design</b>	10 plants of each variety were randomly selected from a larger population and arranged into varietal blocks.	
<b>Measurements</b>	Measurements were taken at random by both me as QP and an examiner from the PBR office.	
<b>RHS Chart - edition</b>	2015	
<b>Origin and Breeding</b>		
Controlled pollination: Pollen from 'Loving Memories' were placed onto flowers of 'Warm Fuzzies' (maternal parent). The seed was sown, and seedling of Inspiration was selected in 1996 at Taunton Gardens and Nursery in Lyttleton, New Zealand. All breeding and selection work were carried out by or under the supervision of Barry Sligh. Breeder: Barry Sligh, Lyttleton, NZ.		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Plant	seasonality	evergreen
Plant	type	tree
Leaf	width of blade	medium to broad
Leaf	brownish hairs on under side	absent to very weak
Flower	main colour	white
Flower	number of petals	medium or medium to many

<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>					
Name		Comments			
'MicJur05'					
<i>M. doltsopa</i>					
<b>Varieties of Common Knowledge identified and subsequently excluded</b>					
Variety	Distinguishing Characteristics Organ/Plant Part Context		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Warm Fuzzies'	Plant	type	tree	shrub	
'Loving Memory'	Flower	number of petals	medium	few	

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

Organ/Plant Part: Context	'Inspiration'	<i>M. doltsopa</i>	'MicJur05'
<input type="checkbox"/> Plant: seasonality	evergreen	evergreen	evergreen
<input type="checkbox"/> Plant: type	tree	tree	tree
<input type="checkbox"/> Plant: growth habit	upright	upright	upright
<input type="checkbox"/> Leaf: length of blade	medium to long	long to very long	medium to long
<input type="checkbox"/> Leaf: width of blade	medium to broad	medium to broad	medium to broad
<input type="checkbox"/> Leaf: main colour upper side	medium green	medium green to dark green	medium green
<input type="checkbox"/> Leaf: main colour lower side	medium green	medium green	medium green
<input checked="" type="checkbox"/> Flower: diameter	small to medium	very large	large
<input type="checkbox"/> Flower: main colour	white	white	white
<input type="checkbox"/> Flower: shape (lateral view)	saucer	goblet	saucer
<input checked="" type="checkbox"/> Petal: length	medium	very long	long
<input type="checkbox"/> Petal: width	medium	broad	medium
<input type="checkbox"/> Petal: width in relation to length	small (1/2)	small (1/2)	very small (1/3)
<input type="checkbox"/> Petal: main colour mid zone upper side (RHS colour chart)	NN155B	NN155B	NN155A
<input type="checkbox"/> Petal: main colour mid zone lower side (RHS colour chart)	NN155B	NN155B	NN155A
<input type="checkbox"/> Petal: main colour margin upper side (RHS colour chart)	NN155B	NN155B	NN155A
<input type="checkbox"/> Petal: main colour margin lower side	NN155B	NN155B	NN155A

(RHS colour chart)			
<input type="checkbox"/> Filament: colour	white	white	yellow
<input type="checkbox"/> Flower: number of petals	medium	medium to many	medium
<input type="checkbox"/> Time of: beginning of flowering	early	early	very early

<b>Characteristics Additional to the Descriptor/TG</b>			
<b>Organ/Plant Part: Context</b>	<b>'Inspiration'</b>	<b><i>M. doltsopa</i></b>	<b>'MicJur05'</b>
<input type="checkbox"/> Style: colour	green	green	green
<input checked="" type="checkbox"/> Anther: colour	white	brown	brown
<input type="checkbox"/> Leaf: brownish hairs on under side	absent or very weak	absent or very weak	weak
<input type="checkbox"/> Flower bud: size	small to medium	large	medium
<input checked="" type="checkbox"/> Petal: shape	elliptic	obovate	obovate
<input type="checkbox"/> Plant: height	large	medium to large	small
<input type="checkbox"/> Leaf: glossiness of upper side	medium	medium	weak
<input type="checkbox"/> Leaf: shape of blade	lanceolate	lanceolate	lanceolate
<input type="checkbox"/> Flower: bud colour	bronze	bronze	bronze

**Prior Applications and Sales:**

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
New Zealand	2010	Granted	'Inspiration'

First sold in New Zealand in Oct 2012.

Description: **Christopher Prescott**, Prescott Roses Pty Ltd, Berwick, VIC.

<b>Details of Application</b>		
Variety Name	'Piccolo Banda'	
Genus Species	<i>Peperomia albovittata</i>	
Common Name	Peperomia	
Accepted Date	06 Sep 2018	
Applicant	Eden Collection B.V., Sappemer, The Netherlands	
Agent	Dan's Plants, Heatherton, VIC	
Qualified Person	Mark Lunghusen	
Variety Name	Piccolo Banda	
<b>Details of Comparative Trial</b>		
Location	Heatherton, VIC	
Descriptor	PBR Peper - Peperomia	
Period	Summer to Autumn 2019	
Conditions	Plants were grown in 12cm in commercial potting media. Located in a heated greenhouse, plants were overhead watered and fertilised as required.	
Trial Design	10 plants in block design	
Measurements	Taken from middle third of stem	
RHS Chart - edition	Fifth Edition	
<b>Origin and Breeding</b>		
Controlled pollination followed by seedling selection: Piccolo Banda originated from the crossing of the female parent, an unnamed <i>Peperomia albovittata</i> cultivar and the male parent an unnamed <i>Peperomia albovittata</i> cultivar. The crossing was conducted in 2013 in Sappemer The Netherlands. The resulting seeds were subsequently planted and grown. The cultivar Piccolo Banda was selected by the breeder in 2014 in a controlled environment as a single plant within the progeny of the stated cross in a cultivated area of Sappemer The Netherlands. Asexual reproduction of the new cultivar Piccolo Banda first occurred by leaf cuttings in 2014 in Sappemer, The Netherlands. Since that time, under careful observation, the unique characteristics of the new cultivar have been uniform, stable and reproduced true to type in successive generations of asexual reproduction. Breeder Obed Jacob Smit, The Netherlands.		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Plant	growth type	rosette type
Leaf	attaching manner of blade on petiole	peltate
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
'Moonlight'		
'Eden Rosso'		
'Silver Heart'		
'Lilliane'		
'Schumi Red'		

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

Organ/Plant Part: Context	‘Piccolo Banda’	‘Eden Rosso’	‘Lilliane’	‘Moonlight’	‘Napoli Nights’	‘Schumi Red’	‘Silver Heart’
<input type="checkbox"/> Plant: growth type	rosette type	rosette type	rosette type	rosette type	rosette type	rosette type	rosette type
<input checked="" type="checkbox"/> Plant: height	medium to tall	short	short	tall	short to medium	short	short to medium
<input checked="" type="checkbox"/> Plant: width	broad	medium	medium to broad	medium to broad	medium	medium	narrow to medium
<input type="checkbox"/> Plant: number of leaves	many	many	many	many	many	many	medium
<input type="checkbox"/> Leaf: attaching manner of blade on petiole	peltate	peltate	peltate	peltate	peltate	peltate	peltate
<input type="checkbox"/> Leaf: attitude	horizontal	semi-erect	horizontal	horizontal	horizontal	horizontal	horizontal
<input checked="" type="checkbox"/> Leaf blade: length	short	medium to long	medium to long	medium	short	short	short
<input checked="" type="checkbox"/> Leaf blade: width	narrow to medium	narrow	broad	medium to broad	narrow	medium to broad	medium to broad
<input checked="" type="checkbox"/> Leaf blade: ratio length/width	medium to high	high to very high	low to medium	medium	medium to high	medium	medium
<input type="checkbox"/> Leaf blade: shape	ovate	lanceolate	ovate	ovate	ovate	ovate	ovate
<input type="checkbox"/> Leaf blade: shape of apex	acute	acute	obtuse	acute	acute	obtuse	obtuse
<input type="checkbox"/> Leaf blade: shape of base	cordate	cordate	cordate	cordate	cordate	cordate	cordate
<input type="checkbox"/> Leaf blade: shape of cross section	flat	concave	flat	flat	concave	flat	flat
<input checked="" type="checkbox"/> Leaf blade: glossiness on upper side	absent or very weak	strong	strong	medium	weak	weak	medium
<input checked="" type="checkbox"/> Leaf blade: blistering on upper side	medium	strong	strong	weak	weak	medium	medium
<input type="checkbox"/> Leaf blade: hairs	absent or very few	absent or very few	absent or very few	absent or very few	absent or very few	absent or very few	absent or very few
<input checked="" type="checkbox"/> Young leaf blade: main colour on upper side (RHS Colour Chart)	198B	N189A	N189A	194A	N189B	187A	N189B

<input checked="" type="checkbox"/> Young leaf blade: secondary colour on upper side (RHS Colour Chart)	N189A	202A	absent	189A	N189A	202A	202A
<input type="checkbox"/> Young leaf blade: distribution of secondary colour on upper side	on vein	on vein	absent	on vein	on vein	on vein	on vein
<input type="checkbox"/> Leaf blade: number of colours on upper side	two	two	one	two	two	two	two
<input checked="" type="checkbox"/> Leaf blade: main colour on upper side (RHS Colour Chart)	198A	N189A	N189A	189A	N189B	187B	N189B
<input checked="" type="checkbox"/> Leaf blade: secondary colour on upper side (RHS Colour Chart)	N189A	202A	absent	N189A	N189A	187A	202A
<input type="checkbox"/> Leaf blade: distribution of secondary colour on upper side	on vein	absent	absent	on vein	on vein	on vein	on vein
<input type="checkbox"/> Leaf blade: number of colours on lower side	one	one	one	one	two	one	one
<input checked="" type="checkbox"/> Leaf blade: main colour on lower side (RHS Colour Chart)	147C	182A	194A	194A	194B	184A	148C
<input type="checkbox"/> Leaf blade: secondary colour on lower side (RHS Colour Chart)	absent	absent	absent	absent	182B	absent	absent
<input checked="" type="checkbox"/> Petiole: length - rosette type	long to very long	medium	long to very long	medium to long	medium	medium	medium
<input type="checkbox"/> Petiole: hairs	absent or very few						
<input checked="" type="checkbox"/> Petiole: colour (RHS Colour Chart)	182B	181A	175A	194A	182B	187B	148B

**Prior Applications and Sales:**

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
EU	2014	Granted	'Piccolo Banda'
USA	2016	Granted	'Piccolo Banda'

First sold in the Netherlands, Nov 2014

Description: **Mark Lunghusen**, Wonga Park, VIC

<b>Details of Application</b>		
<b>Application Number</b>	2018/256	
<b>Variety Name</b>	'Moonlight'	
<b>Genus Species</b>	<i>Peperomia caperata</i>	
<b>Common Name</b>	Peperomia	
<b>Accepted Date</b>	06 Sep 2018	
<b>Applicant</b>	Eden Collection B.V., Sappemeer, The Netherlands	
<b>Agent</b>	Dan's Plants, Heatherton VIC	
<b>Qualified Person</b>	Mark Lunghusen	
<b>Details of Comparative Trial</b>		
<b>Location</b>	Heatherton, Vic	
<b>Descriptor</b>	Peperomia	
<b>Period</b>	Summer to Autumn 2019	
<b>Conditions</b>	Plants were grown in 12cm in commercial potting media. Located in a heated greenhouse, plants were overhead watered and fertilised as required.	
<b>Trial Design</b>	10 plants in block design	
<b>Measurements</b>	Taken from middle third of stem	
<b>RHS Chart - edition</b>	Fifth Edition	
<b>Origin and Breeding</b>		
Controlled pollination followed by seedling selection: 'Moonlight' originated from the crossing of the female parent, an unnamed <i>Peperomia caperata</i> cultivar and the male parent an unnamed <i>Peperomia caperata</i> cultivar in 2013. The resultant seeds were collected, sown, germinated and grown on. 'Moonlight' was selected by the breeder in 2014 based on leaf colour and size. Breeder Obed Jacob Smit, The Netherlands.		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Plant	growth type	rosette
Leaf	attaching manner of blade on petiole	peltate
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
'Napoli Nights'		
'Eden Rosso'		
'Lilliane'		
'Piccolo Banda'		
'Schumi Red'		
'Silver Heart'		

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

<b>Organ/Plant Part: Context</b>	<b>‘Moonlight’</b>	<b>‘Eden Rosso’</b>	<b>‘Lilian’</b>	<b>‘Napoli Nights’</b>	<b>‘Piccolo Banda’</b>	<b>‘Schumi Red’</b>	<b>‘Silver Heart’</b>
<input type="checkbox"/> Plant: growth type	rosette type	rosette type	rosette type	rosette type	rosette type	rosette type	rosette type
<input checked="" type="checkbox"/> Plant: height	medium	short	short	short to medium	medium to tall	short	short to medium
<input type="checkbox"/> Plant: width	medium to broad	medium	medium to broad	medium	broad	medium	narrow to medium
<input type="checkbox"/> Plant: number of leaves	many	many	many	many	many	many	medium
<input type="checkbox"/> Leaf: attaching manner of blade on petiole	peltate	peltate	peltate	peltate	peltate	peltate	peltate
<input type="checkbox"/> Leaf: attitude	horizontal	semi-erect	horizontal	horizontal	horizontal	horizontal	horizontal
<input type="checkbox"/> Leaf blade: length	medium	medium to long	medium to long	short	short	short	short
<input checked="" type="checkbox"/> Leaf blade: width	medium to broad	narrow	broad	narrow	narrow to medium	medium to broad	medium to broad
<input checked="" type="checkbox"/> Leaf blade: ratio length/width	medium	high to very high	low to medium	medium to high	medium to high	medium	medium
<input checked="" type="checkbox"/> Leaf blade: shape	ovate	lanceolate	ovate	ovate	ovate	ovate	ovate
<input type="checkbox"/> Leaf blade: shape of apex	acute	acute	obtuse	acute	acute	obtuse	obtuse
<input type="checkbox"/> Leaf blade: shape of base	cordate	cordate	cordate	cordate	cordate	cordate	cordate
<input type="checkbox"/> Leaf blade: shape of cross section	flat	concave	flat	concave	flat	flat	flat
<input checked="" type="checkbox"/> Leaf blade: glossiness on upper side	medium	strong	strong	weak	absent or very weak	weak	medium
<input checked="" type="checkbox"/> Leaf blade: blistering on upper side	weak	strong	strong	weak	medium	medium	medium
<input type="checkbox"/> Leaf blade: hairs	absent or very few	absent or very few	absent or very few	absent or very few	absent or very few	absent or very few	absent or very few
<input checked="" type="checkbox"/> Young leaf blade: main colour on upper side (RHS Colour Chart)	194A	N189A	N189A	N189B	198B	187A	N189B
<input checked="" type="checkbox"/> Young leaf blade: secondary colour on upper side (RHS Colour Chart)	189A	202A	absent	N189A	N189A	202A	202A

Chart)							
<input type="checkbox"/> Young leaf blade: distribution of secondary colour on upper side	on vein	on vein	absent	on vein	on vein	on vein	on vein
<input checked="" type="checkbox"/> Leaf blade: number of colours on upper side	two	two	one	two	two	two	two
<input checked="" type="checkbox"/> Leaf blade: main colour on upper side (RHS Colour Chart)	189A	N189A	N189A	N189B	198A	187B	N189B
<input checked="" type="checkbox"/> Leaf blade: secondary colour on upper side (RHS Colour Chart)	N189A	202A	absent	N189A	N189A	187A	202A
<input checked="" type="checkbox"/> Leaf blade: distribution of secondary colour on upper side	on vein	absent	absent	on vein	on vein	on vein	on vein
<input type="checkbox"/> Leaf blade: tertiary colour on upper side (RHS Colour Chart)	194A	absent	absent	absent	absent	absent	absent
<input type="checkbox"/> Leaf blade: number of colours on lower side	one	one	one	two	one	one	one
<input checked="" type="checkbox"/> Leaf blade: main colour on lower side (RHS Colour Chart)	absent	182A	194A	194B	147C	184A	148C
<input checked="" type="checkbox"/> Leaf blade: secondary colour on lower side (RHS Colour Chart)	absent	absent	absent	182B	absent	absent	absent
<input type="checkbox"/> Petiole: length - rosette type	medium to long	medium	long to very long	medium	long to very long	medium	medium
<input type="checkbox"/> Petiole: hairs	absent or very few						
<input checked="" type="checkbox"/> Petiole: colour (RHS Colour Chart)	194A	181A	175A	182B	182B	187B	148B

**Prior Applications and Sales:****Country**

EU

**Year**

2018

**Status**

Applied

**Name Applied**

‘Moonlight’

Description: **Mark Lunghusen**, Wonga Park, VIC

<b>Details of Application</b>		
<b>Application Number</b>	2016/212	
<b>Variety Name</b>	Eden Rosso	
<b>Genus Species</b>	<i>Peperomia marmorata x metallica</i>	
<b>Common Name</b>	Peperomia	
<b>Accepted Date</b>	02 Sep 2016	
<b>Applicant</b>	Eden Collection B.V., Sappemer, The Netherlands	
<b>Agent</b>	Paradisya Pty Ltd, Narre Warren North, VIC	
<b>Qualified Person</b>	Christopher Prescott	
<b>Details of Comparative Trial</b>		
<b>Location</b>	Heatherton, VIC	
<b>Descriptor</b>	PBR Peper - Peperomia	
<b>Period</b>	Summer to Autumn 2019	
<b>Conditions</b>	Plants were grown in 12cm in commercial potting media. Located in a heated greenhouse, plants were overhead watered and fertilised as required.	
<b>Trial Design</b>	10 plants in block design	
<b>Measurements</b>	Taken from middle third of stem	
<b>RHS Chart - edition</b>	Fifth Edition	
<b>Origin and Breeding</b>		
Controlled pollination: The new variety was selected as a seedling resulting from the crossing of the female parent, an unnamed variety of <i>Peperomia marmorata</i> with the male parent, an unnamed variety of <i>Peperomia metallica</i> from the breeding lines established by Obed J Smit. The crossing was made by the breeder, Obed J. Smit, in the Netherlands in June 2010. The new variety was selected in August 2010 at a commercial greenhouse in Sappemer, the Netherlands. Breeder:		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Leaf blade	main colour on lower side	greyed red group
Plant	growth type	rosette
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
'Silver Heart'		
'Lilian'		
'Schumi Red'		
'Napoli nights'		
'Moonlight'		
'Piccolo Banda'		

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

<b>Organ/Plant Part: Context</b>	<b>‘Eden Rosso’</b>	<b>‘Lilian’</b>	<b>‘Moonlight’</b>	<b>‘Napoli nights’</b>	<b>‘Piccolo Banda’</b>	<b>‘Schumi Red’</b>	<b>‘Silver Heart’</b>
<input type="checkbox"/> Plant: growth type	rosette type	rosette type	rosette type	rosette type	rosette type	rosette type	rosette type
<input type="checkbox"/> Plant: height	short	medium to tall	tall	short to medium	medium to tall	short	short to medium
<input type="checkbox"/> Plant: width	medium	medium to broad	medium to broad	medium	broad	medium	narrow to medium
<input type="checkbox"/> Plant: number of leaves	many	medium to many	many	many	many	many	medium
<input type="checkbox"/> Leaf: attaching manner of blade on petiole	peltate	peltate	peltate	peltate	peltate	peltate	peltate
<input checked="" type="checkbox"/> Leaf: attitude	semi-erect	horizontal	horizontal	horizontal	horizontal	horizontal	horizontal
<input type="checkbox"/> Leaf blade: length	medium to long	long	medium	short	short	short	short
<input type="checkbox"/> Leaf blade: width	narrow	broad	medium to broad	narrow	narrow to medium	medium to broad	medium to broad
<input type="checkbox"/> Leaf blade: ratio length/width	high to very high	low to medium	medium	medium to high	medium to high	medium	medium
<input checked="" type="checkbox"/> Leaf blade: shape	lanceolate	elliptic	ovate	ovate	ovate	ovate	ovate
<input type="checkbox"/> Leaf blade: shape of apex	acute	obtuse	acute	acute	acute	obtuse	obtuse
<input type="checkbox"/> Leaf blade: shape of base	cordate	cordate	cordate	cordate	obtuse	cordate	cordate
<input type="checkbox"/> Leaf blade: shape of cross section	concave	flat	flat	concave	flat	flat	flat
<input type="checkbox"/> Leaf blade: glossiness on upper side	strong	strong	medium	weak	absent or very weak	weak	medium
<input type="checkbox"/> Leaf blade: blistering on upper side	strong	strong	weak	weak	medium	medium	medium
<input type="checkbox"/> Leaf blade: hairs	absent or very few	absent or very few	absent or very few	absent or very few	absent or very few	absent or very few	absent or very few
<input type="checkbox"/> Young leaf blade: main colour on upper side (RHS Colour Chart)	N189A	N189A	194A	N189B	198B	187A	N189B

<input type="checkbox"/> Young leaf blade: secondary colour on upper side (RHS Colour Chart)	202A	absent	189A	N189A	N189A	202A	202A
<input type="checkbox"/> Young leaf blade: distribution of secondary colour on upper side	on vein	absent	on vein				
<input type="checkbox"/> Leaf blade: number of colours on upper side	two	one	two	two	two	two	two
<input type="checkbox"/> Leaf blade: main colour on upper side (RHS Colour Chart)	N189A	N189A	189A	N189B	198A	187B	N189B
<input type="checkbox"/> Leaf blade: secondary colour on upper side (RHS Colour Chart)	202A	absent	N189A	N189A	N189A	187A	202A
<input type="checkbox"/> Leaf blade: number of colours on lower side	one	one	one	two	one	one	one
<input checked="" type="checkbox"/> Leaf blade: main colour on lower side (RHS Colour Chart)	182A	194A	194A	194B	147C	184A	148C
<input type="checkbox"/> Petiole: length - rosette type	medium	long to very long	medium to long	medium	long to very long	medium	medium
<input type="checkbox"/> Petiole: hairs	absent or very few						
<input checked="" type="checkbox"/> Petiole: colour (RHS Colour Chart)	181A	175A	194A	182B	182B	187B	148B

**Prior Applications and Sales:**

Country	Year	Status	Name Applied
EU	2011	Granted	'Eden Rosso'
USA	2012	Granted	'Eden Rosso'

First sold in the Netherlands, Oct 2012

Description: **Christopher Prescott**, Cranbourne, VIC

<b>Details of Application</b>		
<b>Application Number</b>	2018/254	
<b>Variety Name</b>	'Napoli Nights'	
<b>Genus Species</b>	<i>Peperomia peruviana x marmorata</i>	
<b>Common Name</b>	Peperomia	
<b>Accepted Date</b>	06 Sep 2018	
<b>Applicant</b>	Eden Collection B.V., Sappemeer, The Netherlands	
<b>Agent</b>	Dan's Plants, Heatherton, VIC	
<b>Qualified Person</b>	Mark Lunghusen	
<b>Details of Comparative Trial</b>		
<b>Location</b>	Heatherton, Vic	
<b>Descriptor</b>	PBR PEPE - Peperomia	
<b>Period</b>	Summer to Autumn 2019	
<b>Conditions</b>	Plants were grown in 12cm in commercial potting media. Located in a heated greenhouse, plants were overhead watered and fertilised as required.	
<b>Trial Design</b>	10 plants in block design	
<b>Measurements</b>	Taken from middle third of stem	
<b>RHS Chart - edition</b>	Fifth Edition	
<b>Origin and Breeding</b>		
Controlled pollination followed by seedling selection: Napoli Nights originated from the crossing of the female parent, an unnamed <i>Peperomia peruviana</i> cultivar and the male parent an unnamed <i>Peperomia marmorata</i> cultivar in 2013. The resultant seeds were collected, sown, germinated and grown on. Napoli Nights was selected by the breeder in 2014 based on leaf colour and size. Breeder Obed Jacob Smit, The Netherlands.		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Plant	growth type	rosette
Leaf	attaching manner of blade on petiole	peltate
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
'Moonlight'		
'Piccolo Banda'		
'Eden Rosso'		
'Silver Heart'		
'Lilliane'		
'Schumi Red'		

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

Organ/Plant Part: Context	‘Napoli Nights’	‘Eden Rosso’	‘Lilliane’	‘Moonligh t’	‘Piccolo Banda’	‘Schumi Red’	‘Silver Heart’
<input type="checkbox"/> Plant: growth type	rosette type	rosette type	rosette type	rosette type	rosette type	rosette type	rosette type
<input checked="" type="checkbox"/> Plant: height	short to medium	short	short	tall	medium to tall	short	short to medium
<input checked="" type="checkbox"/> Plant: width	medium	medium	medium to broad	medium to broad	broad	medium	narrow to medium
<input type="checkbox"/> Plant: number of leaves	many	many	many	many	many	many	medium
<input type="checkbox"/> Leaf: attaching manner of blade on petiole	peltate	peltate	peltate	peltate	peltate	peltate	peltate
<input type="checkbox"/> Leaf: attitude	horizontal	semi-erect	horizontal	horizontal	horizontal	horizontal	horizontal
<input checked="" type="checkbox"/> Leaf blade: length	short	medium to long	medium to long	medium	short	short	short
<input checked="" type="checkbox"/> Leaf blade: width	narrow	narrow	broad	medium to broad	narrow to medium	medium to broad	medium to broad
<input checked="" type="checkbox"/> Leaf blade: ratio length/width	medium to high	high to very high	low to medium	medium	medium to high	medium	medium
<input type="checkbox"/> Leaf blade: shape	ovate	lanceolate	ovate	ovate	ovate	ovate	ovate
<input type="checkbox"/> Leaf blade: shape of apex	acute	acute	obtuse	acute	acute	obtuse	obtuse
<input type="checkbox"/> Leaf blade: shape of base	cordate	cordate	cordate	cordate	cordate	cordate	cordate
<input type="checkbox"/> Leaf blade: shape of cross section	concave	concave	flat	flat	flat	flat	flat
<input checked="" type="checkbox"/> Leaf blade: glossiness on upper side	weak	strong	strong	medium	absent or very weak	weak	medium
<input checked="" type="checkbox"/> Leaf blade: blistering on upper side	weak	strong	strong	weak	medium	medium	medium
<input type="checkbox"/> Leaf blade: hairs	absent or very few	absent or very few	absent or very few				
<input checked="" type="checkbox"/> Young leaf blade: main colour on upper side (RHS Colour Chart)	N189B	N189A	N189A	194A	198B	187A	N189B
<input checked="" type="checkbox"/> Young leaf blade:	N189A	202A		189A	N189A	202A	202A

secondary colour on upper side (RHS Colour Chart)							
<input type="checkbox"/> Young leaf blade: distribution of secondary colour on upper side	on vein	on vein		on vein	on vein	on vein	on vein
<input type="checkbox"/> Leaf blade: number of colours on upper side	two	two	one	two	two	two	two
<input checked="" type="checkbox"/> Leaf blade: main colour on upper side (RHS Colour Chart)	N189B	N189A	N189A	189A	198A	187B	N189B
<input checked="" type="checkbox"/> Leaf blade: secondary colour on upper side (RHS Colour Chart)	N189A	202A	absent	N189A	N189A	187A	202A
<input type="checkbox"/> Leaf blade: distribution of secondary colour on upper side	on vein	absent	absent	on vein	on vein	on vein	on vein
<input type="checkbox"/> Leaf blade: number of colours on lower side	two	one	one	one	one	one	one
<input checked="" type="checkbox"/> Leaf blade: main colour on lower side (RHS Colour Chart)	194B	182A	194A	194A	147C	184A	148C
<input type="checkbox"/> Leaf blade: secondary colour on lower side (RHS Colour Chart)	182B	absent	absent	absent	absent	absent	absent
<input type="checkbox"/> Leaf blade: distribution of secondary colour on lower side	on vein	absent	absent	absent	absent	absent	absent
<input checked="" type="checkbox"/> Petiole: length - rosette type	medium	medium	long to very long	medium to long	long to very long	medium	medium
<input type="checkbox"/> Petiole: hairs	absent or very few						
<input checked="" type="checkbox"/> Petiole: colour (RHS Colour Chart)	182B	181A	175A	194A	182B	187B	148B

**Prior Applications and Sales:**

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
EU	2014	Granted	'Napoli Nights'
USA	2015	Granted	'Napoli Nights'

First sold in the Netherlands, April 2016

Description: **Marl Lunghusen**, Wonga Park VIC

<b>Details of Application</b>	
<b>Application Number</b>	2017/063
<b>Variety Name</b>	'Onyx-AU'
<b>Genus Species</b>	<i>Vigna mungo</i>
<b>Common Name</b>	
<b>Synonym</b>	
<b>Accepted Date</b>	03 May 2017
<b>Applicant</b>	Department of Agriculture and Fisheries, Warwick, Qld 4370 and Grains Research and Development Corporation, Kingston, ACT 2604
<b>Agent</b>	
<b>Qualified Person</b>	John Rose
<b>Details of Comparative Trial</b>	
<b>Location</b>	Hermitage Research Facility, Warwick, Qld
<b>Descriptor</b>	Modified PBR Cowpea National descriptor
<b>Period</b>	February to May 2017
<b>Conditions</b>	The trial was sown in the field at Hermitage Research Facility on 3rd February 2017. The trial site was a gray cracking clay with a full profile of soil moisture. Seedling emergence was good. The site was irrigated soon after flowering.
<b>Trial Design</b>	Randomised block with 4 reps. Plots were single rows 9 metres in length. Row spacing was 75cm and plant spacing within the row was approximately 5cm.
<b>Measurements</b>	Measurements were taken in the metric system
<b>RHS Chart - edition</b>	
<b>Origin and Breeding</b>	
<p>Controlled pollination: The cross between 'ATF 2062' and 'Regur' was made in 2007. A single F1 was grown in a shadehouse. F2 and F3 generations were advanced by bulking self-pollinated plants. Selections in the F4 and later generations were based on grain yield and plant type. In 2011, 47 black gram genotypes were tested against the single commercial variety Regur and several green mung varieties in a replicated trial at Hermitage Research Facility. From 2012 to 2014 years, the candidate line M10452 demonstrated superior performance for grain yield, grain quality and agronomic adaptation. Three trials were grown at Hermitage and one at Warra west of Dalby. Breeders seed was produced from 30 single plants grown in the shadehouse in 2015 and then in single rows in the following spring. Seed from these plots was grown at Emerald in 2016. Selected plots were then bulked and grown at Ayr in winter to produce breeders seed. Breeders: Col Douglas and Merrill Ryan, Department of Agriculture and Fisheries, Warwick, Qld 4370.</p>	

<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Plant	height	short

Flower	time to flower	early to late
Seed	colour	black
Plant	twining tendency	absent
Plant	growth type	determinate
Mature pod	attitude	erect
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
'Regur'		
'Crystal'		
'Black Berken'		

<b>Varieties of Common Knowledge identified and subsequently excluded</b>					
<b>Variety</b>	<b>Distinguishing Characteristics</b>		<b>State of Expression in Candidate Variety</b>	<b>State of Expression in Comparator Variety</b>	<b>Comments</b>
'Black Berken'	plant	height	short	tall	
'Crystal'	seed	colour	black	green	

<b>Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.</b>		
<b>Organ/Plant Part: Context</b>	<b>'Onyx-AU'</b>	<b>'Regur'</b>
<input type="checkbox"/> Plant: growth habit	upright	upright
<input type="checkbox"/> Plant: growth type	determinate	determinate
<input type="checkbox"/> Plant: twining tendency	absent	absent
<input type="checkbox"/> Petiole: anthocyanin colouration at point of attachment of leaf	present	present
<input type="checkbox"/> Petiole: anthocyanin colouration at point of attachment of stem	present	present
<input type="checkbox"/> Terminal leaflet: shape of blade	ovate	ovate
<input checked="" type="checkbox"/> Terminal leaflet: length	medium	long
<input type="checkbox"/> Terminal leaflet: width	medium	medium
<input type="checkbox"/> Plant: days to flower	43	50
<input type="checkbox"/> Inflorescence: position relative to canopy	above	above
<input type="checkbox"/> Mature pod: attitude	erect	erect
<input type="checkbox"/> Mature pod: curvature	straight	straight

<input type="checkbox"/> Mature pod: length	short	short
<input type="checkbox"/> Mature pod: shattering	absent	absent
<input type="checkbox"/> Mature pod: pubescence	present	present
<input type="checkbox"/> Mature pod: number of seeds	medium	medium
<input type="checkbox"/> Seed: shape	globose	globose
<input type="checkbox"/> Seed: colour	black	black
<input type="checkbox"/> Seed: texture of testa	smooth	smooth
<input type="checkbox"/> Seed: colour of eye	black	black
<input type="checkbox"/> Seed: weight (100 seed wt.)	low	low

<b>Characteristics Additional to the Descriptor/TG</b>		
<b>Organ/Plant Part: Context</b>	<b>'Onyx-AU'</b>	<b>'Regur'</b>
<input type="checkbox"/> Leaf: Halo blight reaction	moderately susceptible	moderately susceptible
<input type="checkbox"/> Leaf: Powdery mildew reaction	moderately resistant	moderately resistant
<input type="checkbox"/> Leaf: Tan spot reaction	moderately resistant	moderately susceptible

<b>Statistical Table</b>		
<b>Organ/Plant Part: Context</b>	<b>'Onyx-AU'</b>	<b>'Regur'</b>
<input checked="" type="checkbox"/> Leaf: central leaflet length (mm)		
Mean	117.07	127.30
Std. Deviation	15.07	10.47
Lsd/sig	8.16	P≤0.01
<input checked="" type="checkbox"/> Leaf: central leaflet width (mm)		
Mean	76.92	88.28
Std. Deviation	10.25	12.56
Lsd/sig	5.55	P≤0.01
<input type="checkbox"/> Leaf: petiole length (mm)		
Mean	190.70	180.68
Std. Deviation	30.26	22.54
Lsd/sig	16.39	ns

<input type="checkbox"/> Flower: days to flower (days)		
Mean	42.90	49.90
Std. Deviation	2.44	0.76
Lsd/sig	1.32	P≤0.01
<input checked="" type="checkbox"/> Plant: height (cm)		
Mean	59.87	65.11
Std. Deviation	7.13	6.63
Lsd/sig	3.86	P≤0.01
<input type="checkbox"/> Peduncle: length (mm)		
Mean	104.00	110.60
Std. Deviation	22.65	22.25
Lsd/sig	12.27	ns
<input type="checkbox"/> Pod: length (mm)		
Mean	61.65	62.95
Std. Deviation	3.71	4.37
Lsd/sig	2.01	ns
<input type="checkbox"/> Seed: seeds per pod		
Mean	7.73	7.88
Std. Deviation	0.60	0.65
Lsd/sig	0.32	ns
<input type="checkbox"/> Seed: weight per pod (g)		
Mean	0.53	0.52
Std. Deviation	0.05	0.07
Lsd/sig	0.028	ns
<input type="checkbox"/> Seed: 100 seed weight (g)		
Mean	6.81	6.54
Std. Deviation	0.64	0.60
Lsd/sig	0.35	ns

**Prior Applications and Sales:**

No prior applications and sale.

Description: **John Rose**, Warwick, Qld

<b>Details of Application</b>		
<b>Application Number</b>	2018/309	
<b>Variety Name</b>	'Little Dazza'	
<b>Genus Species</b>	<i>Syzygium australe</i>	
<b>Common Name</b>	Lilly Pily	
<b>Accepted Date</b>	18 Dec 2018	
<b>Applicant</b>	Reline Management Pty Ltd ATF The Cole Unit Trust, Banjup, WA	
<b>Qualified Person</b>	Philip Watkins	
<b>Details of Comparative Trial</b>		
<b>Location</b>	348 Beenyup Rd, Banjup, WA	
<b>Descriptor</b>	Lilly Pilly	
<b>Period</b>	September 2017 - July 2019	
<b>Conditions</b>	Vegetatively propagated plants grown in pots located in full sun with same soil mix, fertiliser and irrigation	
<b>Trial Design</b>	10 - 20 plants of each variety side by side.	
<b>Measurements</b>	observations were made on plant parts taken from each of six plants sampled at random.	
<b>RHS Chart - edition</b>	1986	
<b>Origin and Breeding</b>		
<p>Seedling Selection: In 2013 a single seedling within a seed sown population of <i>Syzygium australe</i> seedlings, which were grown from seed collected from <i>Syzygium australe</i> 'Resilience', was discovered to be very compact and dwarfed. This seedling also displayed bright green new growth rather than the bronze colour of the other seedlings and its parent. The seedling like its siblings and parent was also found to be resistant to Psyllid attack. Vegetative cuttings were taken from this seedling and resultant plants were planted in pots in 2015. All plants displayed same bright green growth and dwarfed characteristics. No off types were observed. A further round of cuttings was therefore subsequently taken and resultant plants were again potted up and grown alongside potted plants of <i>Syzygium australe</i> 'Tiny Trev'. No chemicals were used to control Psyllids. All of these plants again displayed same dwarfed bright green growth and also unlike those of Tiny Trev did not develop leaf pimples/blisters from Psyllid attack. No off types were found. Breeder: Reline Management Pty Ltd ATF The Cole Unit Trust, Banjup, WA</p>		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Plant	height	very short to short
Plant	branch density	very dense to dense
Stem	internode length	very short
Leaf	stiffness	strong
Leaf	variegation	absent

<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>	
<b>Name</b>	<b>Comments</b>
'Tiny Trev'	

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

<b>Organ/Plant Part: Context</b>	<b>'Little Dazza'</b>	<b>'Tiny Trev'</b>
<input type="checkbox"/> Plant: growth habit	spreading to bushy	bushy to upright
<input type="checkbox"/> Plant: height	very short	short
<input type="checkbox"/> Plant: branch density	very dense	dense
<input type="checkbox"/> Stem: branch angle	small - medium	small
<input type="checkbox"/> Stem: internode length	very short	very short
<input type="checkbox"/> Stem: basal diameter	small - medium	small - medium
<input checked="" type="checkbox"/> Stem: colour of mature stem (RHS colour chart)	greyed brown 199B	greyed green 195B
<input checked="" type="checkbox"/> Stem: colour of new growth (RHS colour chart)	greyed orange 171C	greyed orange 171A
<input type="checkbox"/> Leaf: blade length	very short	very short
<input type="checkbox"/> Leaf: blade width	narrow	narrow
<input type="checkbox"/> Leaf: blade length/width ratio	medium	medium
<input type="checkbox"/> Leaf: petiole length	very short	very short
<input type="checkbox"/> Leaf: shape of blade	elliptic	elliptic
<input type="checkbox"/> Leaf: shape of apex	acuminate	acuminate
<input type="checkbox"/> Leaf: shape of base	cuneate	cuneate
<input type="checkbox"/> Leaf: glossiness	medium	medium
<input type="checkbox"/> Leaf: shape of cross section	flat	flat
<input type="checkbox"/> Leaf: shape of longitudinal section	convex to flat	convex to flat
<input type="checkbox"/> Leaf: stiffness	strong	strong
<input type="checkbox"/> Leaf: prominence of midrib on lower surface	prominent	prominent
<input checked="" type="checkbox"/> Mature leaf: primary colour of upper side (RHS colour chart)	green 137A	green 137B
<input checked="" type="checkbox"/> Mature leaf: primary colour of lower side (RHS colour chart)	green 137C	yellow green 146B
<input checked="" type="checkbox"/> Partly mature leaf: primary colour of upper side (RHS colour chart)	green 137B	yellow green 146A
<input checked="" type="checkbox"/> Partly mature leaf: primary colour of lower side	green 137C	yellow green 147B

(RHS colour chart)		
<input checked="" type="checkbox"/> Newly emerged: upper side (RHS colour chart)	yellow green 147A	greyed orange 173A
<input type="checkbox"/> Leaf: variegation	absent	absent
<input checked="" type="checkbox"/> Leaf: petiole colour (RHS colour chart)	177A	144A

<b>Characteristics Additional to the Descriptor/TG</b>		
<b>Organ/Plant Part: Context</b>	<b>'Little Dazza'</b>	<b>'Tiny Trev'</b>
<input type="checkbox"/> Leaf: presence of Psyllid attack symptoms	absent	present
<input type="checkbox"/> Leaf: severity of Psyllid attack symptoms	absent - very weak	weak - medium

**Prior Applications and Sales:**

Nil

Description: **Philip Watkins**, Singleton, WA

<b>Details of Application</b>	
<b>Application Number</b>	2012/282
<b>Variety Name</b>	'PremA96'
<b>Genus Species</b>	<i>Malus domestica</i>
<b>Common Name</b>	Apple
<b>Synonym</b>	
<b>Accepted Date</b>	01 Feb 2013
<b>Applicant</b>	Prevar Ltd, Hastings 4122, New Zealand
<b>Agent</b>	Australian Nurserymen's Fruit Improvement Company (ANFIC) Ltd, Kallangur, QLD 4503
<b>Qualified Person</b>	Dr Gavin Porter
<b>Details of Comparative Trial</b>	
<b>Overseas Testing Authority</b>	New Zealand Intellectual Property (Plant Variety Rights) Office
<b>Overseas Data Reference Number</b>	APP196 (Grant No.30841)
<b>Location</b>	Cultivar Centre, Hawkes Bay, New Zealand
<b>Descriptor</b>	TG/14/9
<b>Period</b>	2014-2016
<b>Conditions</b>	Trial conditions as described in the test report
<b>Trial Design</b>	as contained in the test report
<b>Measurements</b>	All measurements and observations taken according to UPOV guidelines
<b>RHS Chart - edition</b>	
<b>Origin and Breeding</b>	
Controlled pollination: The new variety of apple tree 'PremA96' was developed during the course of a planned breeding program carried out at the Horticulture Institute for Plant and Food Research in Hawke's Bay, New Zealand. 'PremA96' resulted as a result of a controlled cross of 'Royal Gala' and 'GS2184' (pollen parent). 'PremA96' was selected in 1996 as a single plant from a population of seedlings, derived from the parents; and was selected for its attractive red skin colour and unique appearance, superb texture and flavour, and long shelf life. Breeder: Allan G. White, New Zealand Plant and Food Research, Auckland, New Zealand.	

<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Fruit	size	small to very small
Fruit	shape	obloid
Fruit	relative area of overcolour	large

Fruit	pattern of overcolour	only solid flush
Time	of eating maturity	medium to late
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
'Ariane '		

<b>Varieties of Common Knowledge identified and subsequently excluded</b>					
<b>Variety</b>	<b>Distinguishing Characteristics</b>		<b>State of Expression in Candidate Variety</b>	<b>State of Expression in Comparator Variety</b>	<b>Comments</b>
'Royal Gala'	Fruit	size	very small to small	medium to large	At the time of application there were no other comparator varieties of common knowledge so the female parent was used

<b>Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.</b>		
<b>Organ/Plant Part: Context</b>	<b>'PremA96'</b>	<b>'Ariane'</b>
<input type="checkbox"/> Tree: vigour	medium to strong	
<input type="checkbox"/> *Tree: type	ramified	
<input type="checkbox"/> *Tree: habit (varieties with ramified tree type only)	spreading	
<input type="checkbox"/> Tree: type of bearing	on spurs only	
<input type="checkbox"/> One-year-old shoot: thickness	thin to medium	
<input type="checkbox"/> *One-year-old shoot: length of internode	medium	
<input type="checkbox"/> One-year-old shoot: colour on sunny side	medium brown	
<input type="checkbox"/> One-year-old shoot: pubescence	weak to medium	
<input type="checkbox"/> *One-year-old shoot: number of lenticels	medium	
<input type="checkbox"/> *Leaf blade: attitude in relation to shoot	upwards	
<input type="checkbox"/> *Leaf blade: length	short	

<input type="checkbox"/> *Leaf blade: width	narrow	
<input type="checkbox"/> *Leaf blade: ratio length/width	medium	
<input type="checkbox"/> Leaf blade: intensity of green colour	light	
<input type="checkbox"/> Leaf blade: incisions of margin	serrate type 2	
<input type="checkbox"/> Leaf blade: pubescence on lower side	medium	
<input type="checkbox"/> *Petiole: length	very short to short	
<input type="checkbox"/> Petiole: extent of anthocyanin colouration from base	large	
<input type="checkbox"/> *Flower: predominant colour at balloon stage	dark pink	
<input type="checkbox"/> *Flower: diameter with petals pressed into horizontal position	small	
<input type="checkbox"/> *Flower: arrangement of petals	intermediate	
<input type="checkbox"/> Flower: position of stigmas relative to anthers	above	
<input type="checkbox"/> Young fruit: extent of anthocyanin overcolour	medium	
<input type="checkbox"/> *Fruit: size	very small to small	
<input type="checkbox"/> *Fruit: height	short to medium	
<input type="checkbox"/> *Fruit: diameter	very small to small	
<input type="checkbox"/> *Fruit: ratio height/diameter	medium to large	
<input type="checkbox"/> *Fruit: general shape	obloid	
<input type="checkbox"/> Fruit: ribbing	absent or weak	
<input type="checkbox"/> Fruit: crowning at calyx end	absent or weak	
<input type="checkbox"/> *Fruit: size of eye	medium	
<input type="checkbox"/> Fruit: length of sepal	medium	
<input type="checkbox"/> *Fruit: bloom of skin	absent or weak	
<input type="checkbox"/> Fruit: greasiness of skin	absent or weak	
<input type="checkbox"/> *Fruit: ground colour	yellow	
<input type="checkbox"/> *Fruit: relative area of over colour	large	
<input checked="" type="checkbox"/> *Fruit: hue of over colour – with bloom removed	pink red	red
<input type="checkbox"/> *Fruit: intensity of over colour	medium to dark	

<input type="checkbox"/> *Fruit: pattern of over colour	only solid flush	
<input checked="" type="checkbox"/> *Fruit: depth of eye basin	medium	deep to very deep
<input type="checkbox"/> Fruit: area of russet around stalk attachment	absent or small	
<input type="checkbox"/> Fruit: area of russet on cheeks	absent or small	
<input type="checkbox"/> Fruit: area of russet around eye basin	absent or small	
<input type="checkbox"/> Fruit: number of lenticels	medium	
<input type="checkbox"/> Fruit: size of lenticels	small	
<input type="checkbox"/> Fruit: length of stalk	short to medium	
<input type="checkbox"/> Fruit: thickness of stalk	thin to medium	
<input type="checkbox"/> Fruit: depth of stalk cavity	very shallow to shallow	
<input type="checkbox"/> Fruit: width of stalk cavity	very narrow to narrow	
<input type="checkbox"/> Fruit: width of eye basin	medium	
<input type="checkbox"/> Fruit: firmness of flesh	firm	
<input type="checkbox"/> Fruit: colour of flesh	cream	
<input type="checkbox"/> Fruit: aperture of locules	closed or slightly open	
<input type="checkbox"/> Time of: beginning of flowering	early to medium	
<input type="checkbox"/> Time of: eating maturity	medium to late	

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

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
New Zealand	2010	Granted	'PremA96'
USA	2012	pending	'PremA96'

First sold in New Zealand on 1<sup>st</sup> June December 2010

Description: **Dr Gavin Porter**, Australian Nurserymen's Fruit Improvement Company (ANFIC) Ltd

<b>Details of Application</b>		
<b>Application Number</b>	2015/342	
<b>Variety Name</b>	'Premero'	
<b>Genus Species</b>	<i>Persea americana</i>	
<b>Common Name</b>	Avocado	
<b>Synonym</b>	Premiero	
<b>Accepted Date</b>	29 Jan 2016	
<b>Applicant</b>	David Frank Tate, Korora, NSW	
<b>Agent</b>	N/A	
<b>Qualified Person</b>	Ian Paananen	
<b>Details of Comparative Trial</b>		
<b>Location</b>	Korora, NSW	
<b>Descriptor</b>	UPOV TG for Avocado (TG/97/4)	
<b>Period</b>	2016-2019	
<b>Conditions</b>	Trial conducted in standard commercial field production conditions, plants propagated by grafting to seedling root-stocks.	
<b>Trial Design</b>	Random selection from mature (organic) plantation trees.	
<b>Measurements</b>	In accordance with the UPOV test guidelines.	
<b>RHS Chart - edition</b>	2015	
<b>Origin and Breeding</b>		
Open pollination: seed parent 'Fuerte' in 2007 in Korora, NSW. The seed parent is characterised by cream coloured soft, creamy textured fruit flesh. Male parent believed to be 'Hass' due to fruit similarities. 'Haas' is characterised by medium timing (later than candidate). Selection criteria: early timing of fruit season combined with desirable fruit quality. Propagation: vegetative grafting is found to be uniform and stable. Breeder: David Tate, Korora, NSW.		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Petiole	length	medium - long
Mature fruit	length	medium - long
Mature fruit	presence of depression at stalk end	present
Seed	shape in longitudinal section	ovate
Seed	shape in cross section	circular
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
'Fuerte'	seed parent	
'Hass'	putative pollen parent	

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

Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety
'Shepard'	Fruit	mature colour	red/purple	green
'Llanos Hass'	Fruit	maturity	8-12 weeks earlier than Hass	4-6 weeks earlier than Hass
'Maluma Hass'	Fruit	maturity	8-12 weeks earlier than Hass	2-4 weeks earlier than Hass

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

Organ/Plant Part: Context	'Premero'	'Fuerte'	'Hass'
<input checked="" type="checkbox"/> *Tree: growth habit	upright	upright	spreading
<input type="checkbox"/> *Young shoot: colour	yellow green	yellow green	green
<input type="checkbox"/> Leaf blade: length	medium	long	medium to long
<input type="checkbox"/> Leaf blade: width	medium to broad	broad	medium
<input type="checkbox"/> Leaf blade: shape	elliptic	elliptic	elliptic
<input type="checkbox"/> Leaf blade: shape of apex	acuminate	acuminate	acute
<input type="checkbox"/> Leaf blade: twisting along whole length	absent	absent	absent
<input type="checkbox"/> Leaf blade: twisting of apex	absent	absent	absent
<input type="checkbox"/> Leaf blade: undulation of margin	weak	weak to medium	very weak to weak
<input type="checkbox"/> Leaf blade: relief of venation on upper surface	level	level	level
<input type="checkbox"/> Leaf blade: density of pubescence on lower surface	absent or sparse	absent or sparse	absent or sparse
<input checked="" type="checkbox"/> *Leaf blade: anise aroma	absent or weak	strong	absent or weak
<input type="checkbox"/> Petiole: length	medium to long	medium to long	medium to long
<input type="checkbox"/> *Mature fruit: length	medium to long	long	medium
<input checked="" type="checkbox"/> *Mature fruit: diameter	medium	medium to large	small to medium
<input type="checkbox"/> Mature fruit: shape of stalk end	broadly rounded	broadly rounded	pointed
<input type="checkbox"/> Mature fruit: presence of depression at stalk end	present	present	present
<input checked="" type="checkbox"/> Mature fruit: diameter of stalk	small to medium	medium to large	small to medium

attachment			
<input type="checkbox"/> Mature fruit: position of stalk	slightly oblique	strongly oblique	slightly oblique
<input type="checkbox"/> Mature fruit: shape at stylar region	slightly depressed	slightly depressed	flattened
<input checked="" type="checkbox"/> Mature fruit: conspicuousness of lenticels	strong	inconspicuous or weak	strong
<input type="checkbox"/> Mature fruit: size of lenticels	small to medium	very small	small
<input type="checkbox"/> Mature fruit: colour of lenticels	light green	yellow	light green
<input checked="" type="checkbox"/> Mature fruit: glossiness	medium	strong	medium
<input checked="" type="checkbox"/> *Mature fruit: surface	medium to rough	smooth	rough
<input checked="" type="checkbox"/> Mature fruit: persistence of perianth	absent or weak	medium	absent or weak
<input type="checkbox"/> Pedicel: thickness compared to peduncle	thicker	thicker	thicker
<input checked="" type="checkbox"/> *Pedicel: length	long	long	medium
<input type="checkbox"/> *Pedicel: shape	cylindrical	cylindrical	cylindrical
<input checked="" type="checkbox"/> *Pedicel: "nailhead"	absent	absent	present
<input type="checkbox"/> Pedicel: colour	yellow green	yellow green	yellow green
<input type="checkbox"/> Pedicel: surface	wrinkled	wrinkled	wrinkled
<input checked="" type="checkbox"/> *Ripe fruit: colour	medium purple	medium green	dark purple or black
<input type="checkbox"/> *Ripe fruit: thickness of skin	moderately thick	moderately thin	moderately thick
<input checked="" type="checkbox"/> Ripe fruit: consistency of skin	leathery	leathery	corky
<input type="checkbox"/> Ripe fruit: adherence of skin to flesh	weak	weak	intermediate
<input type="checkbox"/> Ripe fruit: main colour of flesh	yellow	cream	yellow
<input type="checkbox"/> Ripe fruit: colour of layer next to skin	medium green	light green	medium green
<input type="checkbox"/> Ripe fruit: width of layer next to skin	medium to broad	narrow to medium	medium
<input type="checkbox"/> Ripe fruit: conspicuousness of fibers in flesh	inconspicuous	inconspicuous	inconspicuous
<input checked="" type="checkbox"/> Ripe fruit: consistency of flesh	buttery	watery	buttery
<input type="checkbox"/> Ripe fruit: anise aroma of	absent	absent	absent

flesh			
<input checked="" type="checkbox"/> Ripe fruit: ratio fruit length/seed length	large	small to medium	medium
<input type="checkbox"/> Seed: shape in longitudinal section	ovate	ovate	ovate
<input type="checkbox"/> Seed: shape in cross section	circular	circular	circular
<input type="checkbox"/> Seed coat: adherence to flesh	medium	medium	medium
<input type="checkbox"/> Seed coat: adherence to cotyledon	strong	strong	strong
<input type="checkbox"/> Seed coat: surface	smooth or slightly wrinkled	moderately wrinkled	smooth or slightly wrinkled
<input type="checkbox"/> Cotyledon: surface	smooth	smooth	smooth
<input checked="" type="checkbox"/> Time of beginning of flowering	early to medium	medium	late
<input checked="" type="checkbox"/> *Time of fruit maturity for harvesting	very early	medium	late
<input type="checkbox"/> Seed: multiple sprouting	absent	absent	absent

<b>Characteristics Additional to the Descriptor/TG</b>			
<b>Organ/Plant Part: Context</b>	<b>‘Premero’</b>	<b>‘Fuerte’</b>	<b>‘Hass’</b>
<input checked="" type="checkbox"/> Leaf blade: intensity of green colour	medium	dark	medium

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

Nil.

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

<b>Details of Application</b>	
<b>Application Number</b>	2017/197
<b>Variety Name</b>	'LEABROOK'
<b>Genus Species</b>	<i>Hordeum vulgare</i>
<b>Common Name</b>	Barley
<b>Synonym</b>	
<b>Accepted Date</b>	04 Sep 2017
<b>Applicant</b>	The University of Adelaide, Adelaide, SA 5005
<b>Agent</b>	
<b>Qualified Person</b>	Amanda Box
<b>Details of Comparative Trial</b>	
<b>Location</b>	Roseworthy Campus, Roseworthy, South Australia
<b>Descriptor</b>	Barley ( <i>Hordeum vulgare</i> ) TG/19/10
<b>Period</b>	
<b>Conditions</b>	The seeding rate was 60kg/ha, corresponding to approximately 150 seeds per square metre. Each replicate contained approximately 1500 plants.
<b>Trial Design</b>	Three replicates of each genotype were sown on 17th May 2018 in a Randomised Complete Block Design in plots of 6 rows (1.3 metre) by 11.4 metres.
<b>Measurements</b>	Measurements were taken in the metric system
<b>RHS Chart - edition</b>	
<b>Origin and Breeding</b>	
<p>Controlled pollination: 'LEABROOK' (WI4896) was developed from a controlled pollination cross using an F1 derived from County and Commander as the maternal parent and Commander as the paternal parent was conducted in 2004. The resulting population was progressed as an F1 bulk over summer 2004/2005, as an F2 bulk population in 2005 and as an F3 segregating bulk population over summer in 2005/2006. Two hundred and six single plant selections were evaluated in short rows in 2006. Disease resistance, grain size and NIR predicted malting quality were used as the basis to select 51 lines for yield evaluation in 2007. Yield trials comprised unreplicated designs with a check grid grown at five locations across Australia. Agronomic performance, disease resistance and malting quality were used to select 15 lines for yield trials in 2008 comprising unreplicated designs with a check grid. Agronomic performance, disease resistance and malting quality were used to promote three selections to replicated yield trials in 22 locations across Australia in 2009, 2010 and 2011. WI4593 was identified as the most promising line and evaluated at 22 locations across Australia in breeding trials and 77 NVT locations respectively in 2012. Fifty reselections were taken from WI4593 grown over summer in 2010/2011 and 26 single plant reselections were evaluated at Strathalbyn in double row plots. Nineteen were evaluated for phenology and a molecular marker for barley leaf rust with 3 reselections bulked to comprise foundation pure seed for WI4896. Further pure seed multiplication was done in 2014 at Strathalbyn and 2015 at Roseworthy with no offtypes observed at both locations. WI4896 has been evaluated at 22 locations across Australia in breeding trials and 77 NVT locations in 2015, 2016 and 2017 respectively. Breeders: Amanda</p>	

Box, Stewart Coventry and Jason Eglinton, The University of Adelaide, Adelaide, SA 5005.

<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Lowest leaves	hairiness of leaf sheaths	absent
Ear	number of rows	two
Ear	shape	tapering
Grain	anthocyanin colouration of nerves of lemma	absent or very weak
Grain	hairiness of ventral furrow	absent
Kernel	colour of aleurone layer	whitish
Season	type	spring type
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
'Commander'		
'Compass'		

<b>Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.</b>			
<b>Organ/Plant Part: Context</b>	<b>'LEABROOK'</b>	<b>'Commander'</b>	<b>'Compass'</b>
<input checked="" type="checkbox"/> *Plant: growth habit	erect to semi-erect	erect to semi-erect	intermediate to semi-prostrate
<input type="checkbox"/> *Lowest leaves: hairiness of leaf sheaths	absent	absent	absent
<input type="checkbox"/> *Flag leaf: anthocyanin colouration of auricles	present	present	present
<input type="checkbox"/> *Flag leaf: intensity of anthocyanin colouration of auricles	weak to medium	weak	weak to medium
<input type="checkbox"/> Flag leaf: glaucosity of sheath	strong	medium to strong	strong
<input type="checkbox"/> *Time of: ear emergence	early to medium	medium	early
<input type="checkbox"/> *Awns: anthocyanin colouration of tips	present	present	present
<input checked="" type="checkbox"/> *Awns: intensity of anthocyanin colouration of tips	medium	very weak	medium
<input type="checkbox"/> *Ear: glaucosity	weak to medium	medium	weak to medium
<input type="checkbox"/> Ear: attitude	horizontal to	semi-recurved	semi-recurved

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

<b>Statistical Table</b>			
<b>Organ/Plant Part: Context</b>	<b>'LEABROOK'</b>	<b>'Commander'</b>	<b>'Compass'</b>
<input checked="" type="checkbox"/> <b>Plant: height (cm)</b>			
Mean	65.42	63.26	70.76
Std. Deviation	0.72	2.63	3.26
Lsd/sig	1.739	P ≤0.01	P ≤0.01

<input checked="" type="checkbox"/> <b>Ear: length (mm)</b>			
Mean	70.10	62.50	74.88
Std. Deviation	4.50	3.52	5.55
Lsd/sig	1.739	P ≤0.01	P ≤0.01
<input checked="" type="checkbox"/> <b>Awn: length (mm)</b>			
Mean	96.63	101.85	95.08
Std. Deviation	3.72	4.40	5.71
Lsd/sig	1.678	P ≤0.01	ns
<input checked="" type="checkbox"/> <b>Ear: number of grains per spike</b>			
Mean	26.71	26.61	29.20
Std. Deviation	1.51	1.51	2.05
Lsd/sig	0.629	ns	P ≤0.01

**Prior Applications and Sales:**

No prior applications and sale.

Description: **Amanda Box**, Glen Osmond, SA 5064

<b>Details of Application</b>		
<b>Application Number</b>	2018/030	
<b>Variety Name</b>	'Ridley 1108'	
<b>Genus Species</b>	<i>Vaccinium corymbosum</i>	
<b>Common Name</b>	Blueberry	
<b>Accepted Date</b>	08 Mar 2018	
<b>Applicant</b>	Mountain Blue Orchards Pty Ltd, Lindendale NSW 2480	
<b>Qualified Person</b>	Ian Paananen	
<b>Details of Comparative Trial</b>		
<b>Location</b>	Tabulam, NSW	
<b>Descriptor</b>	TG/137/4	
<b>Period</b>	September 2017-October 2018	
<b>Conditions</b>	Trial conducted in standard commercial field production conditions, plants propagated from cuttings, planted into field from 125mm pots.	
<b>Trial Design</b>	6 plants per variety randomly blocked in standard commercial beds	
<b>Measurements</b>	Fruit and leaf observations from 4 plants with 20 ripe fruit randomly picked and measurements taken from 10 of these fruit at random. Leaf observations from largest mature leaf on a branch.	
<b>RHS Chart - edition</b>	2015	
<b>Origin and Breeding</b>		
Controlled pollination: seed parent 'Ridley 1111' x pollen parent 'M07-05-06' in 2011 in Lindendale, NSW. The seed parent is characterised by a large leaf size, spreading growth habit and very early season. The pollen parent is characterised by a large leaf size. 2012: seed from the stated parents grown on (approx 100 plants produced) grown on. 2014: single seedling (M14-11-08K) selection made with desirable commercial traits and concluded as being of commercial value due to its distinctive traits. 2012- present: Continued propagation of cuttings for commercial scale testing of field and postharvest performance. As a result it was concluded to be a distinct and viable commercial variety and named 'Ridley 1108'. Selection took place in Lindendale, NSW in 2014. Selection criteria: strong plant growth vigour, short plant height, short internode length, small-medium leaf size, low chill, ornamental utility. Propagation: vegetative cuttings and micropropagation were found to be uniform and stable. Breeder: Ridley Bell, Lindendale, NSW.		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Fruit	intensity of bloom	strong
Fruit	colour of skin	dark blue
Fruit	Size	medium
Fruit	shape in longitudinal section	oblate
Time of	beginning of flowering	early to medium

Time of	beginning of fruit ripening	early to medium		
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>				
<b>Name</b>	<b>Comments</b>			
'Ridley 4408'				
<b>Varieties of Common Knowledge identified and subsequently excluded</b>				
<b>Variety</b>	<b>Distinguishing Characteristics Organ/Plant Part Context</b>	<b>State of Expression in Candidate Variety</b>	<b>State of Expression in Comparator Variety</b>	<b>Comments</b>
'Ridley 1105'	Time of beginning of fruit ripening	early to medium	very early	also has broader leaves, longer shoot internodes and more upright growth habit

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

<b>Organ/Plant Part: Context</b>	<b>'Ridley 1108'</b>	<b>'Ridley 4408'</b>
<input checked="" type="checkbox"/> *Plant: vigour	strong	medium
<input type="checkbox"/> *Plant: growth habit	upright to semi-upright	semi-upright
<input type="checkbox"/> One-year-old shoot: colour	green	green
<input type="checkbox"/> One-year-old shoot: length of internode	short to medium	medium
<input checked="" type="checkbox"/> *Leaf: length	short to medium	long
<input checked="" type="checkbox"/> Leaf: width	medium	medium to broad
<input type="checkbox"/> Leaf: ratio length/width	medium	medium
<input type="checkbox"/> *Leaf: shape	elliptic	elliptic
<input type="checkbox"/> Leaf: colour of upper side	green	green
<input type="checkbox"/> *Leaf: intensity of green colour on upper side (varieties with green leaf colour only)	dark	dark
<input checked="" type="checkbox"/> *Leaf: margin	serrate	entire
<input type="checkbox"/> Flower bud: anthocyanin colouration	weak	weak to medium
<input type="checkbox"/> Flower: shape of corolla	urceolate	urceolate
<input type="checkbox"/> *Flower: size of corolla tube	medium	medium
<input type="checkbox"/> *Flower: anthocyanin colouration of corolla tube	weak	weak
<input type="checkbox"/> Flower: ridges on corolla tube	present	present
<input type="checkbox"/> Fruit cluster: density	medium to dense	medium to dense

<input type="checkbox"/> *Unripe fruit: intensity of green colour	light	light to medium
<input type="checkbox"/> *Fruit: size	medium	medium
<input type="checkbox"/> *Fruit: shape in longitudinal section	oblate	oblate
<input type="checkbox"/> Fruit: attitude of sepals	erect	erect
<input type="checkbox"/> Fruit: type of sepals	straight	straight
<input type="checkbox"/> Fruit: diameter of calyx basin	medium to large	medium to large
<input type="checkbox"/> Fruit: depth of calyx basin	deep	deep
<input type="checkbox"/> *Fruit: intensity of bloom	strong	strong
<input type="checkbox"/> *Fruit: colour of skin	dark blue	dark blue
<input type="checkbox"/> Fruit: firmness	medium to firm	firm
<input type="checkbox"/> *Fruit: sweetness	medium to high	medium
<input type="checkbox"/> *Fruit: acidity	high	high
<input checked="" type="checkbox"/> *Time of: vegetative bud burst	medium to late	early to medium
<input type="checkbox"/> *Time of: beginning of flowering on one-year-old shoot	early to medium	early to medium
<input type="checkbox"/> *Time of: beginning of fruit ripening on one-year-old shoot	early to medium	early to medium

<b>Statistical Table</b>		
<b>Organ/Plant Part: Context</b>	<b>'Ridley 1108'</b>	<b>'Ridley 4408'</b>
<input checked="" type="checkbox"/> Leaf: length (mm)		
Mean	55.10	72.40
Std. Deviation	5.00	8.20
LSD/sig	8.72	P≤0.01
<input checked="" type="checkbox"/> Leaf: width (mm)		
Mean	26.80	33.70
Std. Deviation	3.40	3.40
LSD/sig	4.35	P≤0.01
<input type="checkbox"/> Berry: diameter (mm)		
Mean	16.00	16.00
Std. Deviation	1.10	0.80
LSD/sig	1.21	ns
<input type="checkbox"/> Berry: diameter of calyx basin (mm)		
Mean	6.30	6.30
Std. Deviation	0.70	1.20
LSD/sig	1.22	ns
<input type="checkbox"/> Leaf: length: width ratio		

Mean	2.10	2.10
Std. Deviation	0.20	0.20
LSD/sig	0.28	ns

**Prior Applications and Sales:**

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
USA	2017	pending	'Ridley 1108'

Description: **Ian Paananen**, Macmasters Beach, NSW

<b>Details of Application</b>	
<b>Application Number</b>	2009/044
<b>Variety Name</b>	'Thimo'
<b>Genus Species</b>	<i>Pyrus communis</i>
<b>Common Name</b>	European Pear
<b>Synonym</b>	
<b>Accepted Date</b>	27 Apr 2009
<b>Applicant</b>	Wolfgang Muller, Baum-und Rosenschule, Oschatz 04758, Germany
<b>Agent</b>	Crop & Nursery Services, Macmasters Beach, NSW 2251
<b>Qualified Person</b>	Ian Paananen
<b>Details of Comparative Trial</b>	
<b>Overseas Testing Authority</b>	Bundessortenamt, Hannover, Germany
<b>Overseas Data Reference Number</b>	20032389
<b>Location</b>	Prufstelle Wurzen, Germany
<b>Descriptor</b>	TG/15/3
<b>Period</b>	2006-2007
<b>Conditions</b>	Trial conditions as described in the test report
<b>Trial Design</b>	All measurements and observations taken according to UPOV guideline TG/15/3
<b>Measurements</b>	Trial conditions were as described in the test report
<b>RHS Chart - edition</b>	2007
<b>Origin and Breeding</b>	
Controlled pollination: seed parent 'Nordhauser Winterforelle' x pollen parent 'Madame Verte', in a planned breeding program at Naumburg, Germany in 1968. The seed parent is characterised by a dark red fruit colour and medium growth vigour. The pollen parent is characterised by a brown/red and green fruit colour and a bulky fruit form. Selection criteria: good fruit quality, yield storability and reduced disease resistance. Propagation: vegetative by budding. Breeder: Dr Manfred Fischer, Dresden, Germany.	

<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Tree	habit	spreading
Fruit	profile of sides	concave
Fruit	depth of eye basin	shallow
Fruit	relief of area around eye	slightly ribbed
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
'Concorde'		

<b>Varieties of Common Knowledge identified and subsequently excluded</b>					
Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
	Fruit	colour			
'Nordhauser Winterforelle'	Fruit	colour	red to green	dark red	candidate also has much more vigorous growth
'Madame Verte'	Fruit	colour	red to green	brown red to green	candidate also has much more slender fruit
'Conference'	Fruit	colour	red to green	green	'Conference' also has some fruit russeting whereas candidate has none
'Beurre Hardy'	Fruit	colour	red to green	green grey	

<b>Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.</b>		
Organ/Plant Part: Context	'Thimo'	'Concorde'
<input type="checkbox"/> Tree: vigour	strong	
<input type="checkbox"/> *Tree: branching	medium to strong	
<input type="checkbox"/> *Tree: habit	spreading	
<input type="checkbox"/> One-year-old shoot: growth	wavy	
<input type="checkbox"/> One-year-old shoot: length of internode	short to medium	
<input checked="" type="checkbox"/> One-year-old shoot: predominant colour on sunny side	brown purple	grey brown
<input type="checkbox"/> One-year-old shoot: number of lenticels	medium to many	
<input type="checkbox"/> *One-year-old shoot: shape of apex of vegetative bud	acute	
<input type="checkbox"/> *One-year-old shoot: position of vegetative bud in relation to shoot	slightly held out	
<input type="checkbox"/> One-year-old shoot: size of bud support	large	
<input type="checkbox"/> *Young shoot: anthocyanin colouration of	weak to medium	

growing tip		
<input type="checkbox"/> *Young shoot: intensity of pubescence	medium	
<input type="checkbox"/> *Leaf blade: attitude in relation to shoot	outwards	
<input type="checkbox"/> *Leaf blade: length	long	
<input type="checkbox"/> *Leaf blade: width	medium to broad	
<input type="checkbox"/> *Leaf blade: ratio length/width	medium to large	
<input type="checkbox"/> Leaf blade: shape of base	obtuse	
<input type="checkbox"/> Leaf blade: shape of apex	right-angled	
<input type="checkbox"/> Leaf blade: length of pointed tip	long to very long	
<input type="checkbox"/> Leaf blade: incisions of margin	bluntly serrate	
<input type="checkbox"/> Leaf blade: depth of incisions of margin	shallow	
<input type="checkbox"/> *Leaf blade: curvature of longitudinal axis	weak to medium	
<input type="checkbox"/> *Petiole: length	short	
<input type="checkbox"/> *Petiole: presence of stipules	present	
<input type="checkbox"/> *Petiole: distance of stipules from basal attachment of petiole	short	
<input type="checkbox"/> Shoot: location of flower bud	mainly on spurs	
<input type="checkbox"/> *Flower bud: length	long	
<input type="checkbox"/> Flower sepal: length	long	
<input type="checkbox"/> Flower: attitude of sepals in relation to corolla	recurved	
<input type="checkbox"/> *Flower: position of margins of petals	touching	
<input type="checkbox"/> Flower: position of stigma in relation to stamens	above	
<input type="checkbox"/> Flower: size of petal	medium to large	
<input type="checkbox"/> *Flower: shape of petal	broad ovate	
<input type="checkbox"/> Flower: shape of base of petal	rounded	
<input type="checkbox"/> Flower: length of claw of petal	short	
<input type="checkbox"/> Immature fruit: colour of sepals	red-brown	
<input type="checkbox"/> Fruit: length	long	
<input type="checkbox"/> Fruit: maximum diameter	large	

<input type="checkbox"/> *Fruit: ratio length/diameter	large	
<input type="checkbox"/> *Fruit: position of maximum diameter	slightly towards calyx	
<input type="checkbox"/> *Fruit: size	large	
<input type="checkbox"/> Fruit: symmetry	strongly asymmetric	
<input type="checkbox"/> *Fruit: profile of sides	concave	
<input type="checkbox"/> *Fruit: ground colour of skin	yellow green	
<input checked="" type="checkbox"/> *Fruit: relative area of over colour	medium to large	small
<input type="checkbox"/> Fruit: hue of over colour	dark red	
<input type="checkbox"/> Fruit: relative area of russet around eye basin	very small to small	
<input type="checkbox"/> Fruit: relative area of russet on cheeks	very small to small	
<input type="checkbox"/> Fruit: relative area of russet around stalk attachment	very small to small	
<input type="checkbox"/> *Fruit: length of stalk	long	
<input type="checkbox"/> *Fruit: thickness of stalk	thick	
<input type="checkbox"/> Fruit: curvature of stalk	medium to strong	
<input type="checkbox"/> *Fruit: attitude of stalk in relation to axis of fruit	oblique	
<input type="checkbox"/> *Fruit: depth of stalk cavity	absent or very shallow	
<input type="checkbox"/> Fruit: attitude of sepals	erect	
<input type="checkbox"/> *Fruit: eye basin	present	
<input type="checkbox"/> *Fruit: depth of eye basin	shallow	
<input type="checkbox"/> *Fruit: width of eye basin	narrow to medium	
<input type="checkbox"/> *Fruit: relief of area around eye	slightly ribbed	
<input type="checkbox"/> Fruit: texture of flesh	fine to medium	
<input type="checkbox"/> Fruit: firmness of flesh	medium to firm	
<input type="checkbox"/> Fruit: juiciness of flesh	juicy	
<input type="checkbox"/> *Seed: shape	ovate	
<input type="checkbox"/> *Time of: beginning of flowering	medium	
<input type="checkbox"/> *Time of: maturity for consumption	medium to late	
<input type="checkbox"/> Tree: vigour	strong	

**Prior Applications and Sales:**

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
EU	2003	Granted	'Thimo'

First sold in Germany on 23rd March 2003

sDescription: **Ian Paananen**, Crop & Nursery Services

<b>Details of Application</b>	
<b>Application Number</b>	2011/055
<b>Variety Name</b>	'M 44-14'
<b>Genus Species</b>	<i>Vitis vinifera</i> hybrid
<b>Common Name</b>	Grape vine
<b>Synonym</b>	N/A
<b>Accepted Date</b>	05 Aug 2011
<b>Applicant</b>	CSIRO, Canberra, Australia
<b>Agent</b>	
<b>Qualified Person</b>	Peter Clingeffer
<b>Details of Comparative Trial</b>	
<b>Location</b>	CSIRO, Agriculture and Food farm, 447 Dow Avenue, Irymple, Victoria
<b>Descriptor</b>	UPOV TG TG/50/9 and descriptor for Grapevine ( <i>Vitis</i> spp.) IPGRI (UPOV, OIV) 1997
<b>Period</b>	Measurements for the potted trial were collected in December 2013.
<b>Conditions</b>	'M 44-14' was compared with 6 common knowledge, white seedless varieties and an unnamed CSIRO selection 'M 08-22'. The white seedless varieties included in the comparison were 'Dawn Seedless', 'Centennial Seedless', 'Merbein Seedless', 'Perlette', 'Sultana', the proprietary variety, 'Stanley Seedless'. The vines were propagated from dormant cuttings collected during winter 2008. The cuttings were rooted in sand before transfer to standard potting mix in 4.5 L pots and maintained in the shadehouse at the former CSIRO Merbein site. The potted vines were transferred to the shade house located at the CSIRO Irymple farm in spring 2011. Each season, the vines were allowed to grow as a single shoot by removing lateral buds. The vines have been maintained by pruning back to a 2-bud spur when dormant in winter. With the exception of 'Stanley Seedless', all comparator varieties, 'M 44-14' and 'M 08-22' are also maintained in the field at the CSIRO Irymple farm in multiplied plots.
<b>Trial Design</b>	The experimental layout was a fully randomized block design, replicated 15 times. Each variety was allocated a random position with each block.
<b>Measurements</b>	Ampelographic data following descriptors provided for Grapevine ( <i>Vitis</i> spp.) by IPGRI 1997 (UPOV, OIV) were recorded for vines grown under field conditions in spring 2016. Measurements of vines in the replicated potted trial were recorded in spring 2013. The first fully expanded leaf from the shoot tip was selected for assessment. Measurements included Leaf lamina length (L1), recorded from the point at which the petiole attached to the mid-apex of the leaf. Similar measurements were made between the point at which the lamina attached to the apices of the distal lobes (L2, R2) and the proximal lobes (L3, R3). Petiole length was also recorded. The measurements

	were used to calculate a number of ratios.
<b>RHS Chart - edition</b>	N/A
<b>Origin and Breeding</b>	
<p>Controlled pollination: ‘M 44-14’ is a grapevine variety selected from a family produced by making a controlled cross between ‘Hunisa’ (<i>V. vinifera</i>) (seed parent) with a CSIRO-bred selection ‘M 37-02’ (pollen parent). The controlled pollination was undertaken by CSIRO at its former Merbein site in spring 1992. The resultant seeds were extracted from fruits in autumn 1993 and sown in a standard seed bed under glasshouse conditions. Emergent seedlings were transferred to a standard potting mix in pots and maintained under glasshouse conditions until they were rowed out in the breeding vineyard during spring 1993 at a planting density of 1.0m within and 2.4m between rows. Hybrid seedlings were maintained under irrigated vineyard conditions thereafter. ‘M 44-14’ was identified as a seedless type among its siblings when first assessed in 1999. Fruit were harvested over 4 years and assessed for eating quality. Based on the data collected, ‘M 44-14’ was selected for entry into second phase evaluation trials and was propagated either as own-rooted cuttings or top-worked onto a range of rootstocks and established in replicated plantings during 2003 and 2004 at the former CSIRO Merbein site for assessment as a potentially new table grape variety. It was also entered into a national evaluation program with test plantings established under confidential testing agreements in WA, Queensland, NT, Victoria and NSW. Two larger semi-commercial plantings were established in the Murray Valley in 2008, also under Testing Agreement conditions. Based on its performance in these trials and test plots, ‘M 44-14’ was nominated for release as a new table grape variety after vines were harvested and assessed in 2010. It was granted provisional PBR in Australia in 2011 and a US Plant patent in 2012 (PP 23726). Daughter vines of ‘M 44-14’, propagated from the original seedling vine by asexual or vegetative means, are uniform and stable. Similarly, grand-daughter vines are uniform and stable. Vines of ‘M 44-14’ have been propagated by grafting or budding to clonal rootstocks, by top-working to established vines and by rooting cuttings, confirming its uniformity and stability. Breeder: Peter Clingeffer, CSIRO, Australia.</p>	

<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Berry	colour	white
Berry	seediness	seedless
Young shoot	prostrate hairs on tip	absent or very sparse
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
‘Dawn Seedless’	Most similar common knowledge variety to ‘M 44-14’. Used for table grape production in Western Australia.	
‘Perlette’	Table grape variety grown, not grown extensively in Australia. It would normally ripen earlier than ‘M 44-14’.	
‘Merbein Seedless’	‘Merbein Seedless’ is a CSIRO variety, released in 1981 as an alternative	

	to Sultana for dried grape production. It is not used for table grape production.
‘Stanley Seedless’	A proprietary variety with PBR protection in Australia. Cutting material has been supplied by the owner for inclusion in the comparator trial
‘M 08-22’	An unnamed CSIRO selection, which produces a similar table grape product to Thompson Seedless produced from Sultana but without the use of berry sizing treatments.

<b>Varieties of Common Knowledge identified and subsequently excluded</b>					
<b>Variety</b>	<b>Distinguishing Characteristics</b>		<b>State of Expression in Candidate Variety</b>	<b>State of Expression in Comparator Variety</b>	<b>Comments</b>
‘Sugraone’	Fruit	Ripening time	late	very early	

<b>Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.</b>					
<b>Organ/Plant Part: Context</b>	<b>‘M 44-14’</b>	<b>‘Dawn Seedless’</b>	<b>‘M 08-22’</b>	<b>‘Perlette’</b>	<b>‘Stanley Seedless’</b>
<input type="checkbox"/> *Young shoot: prostrate hairs on tip	absent or very sparse	absent or very sparse	sparse	sparse	absent or very sparse
<input type="checkbox"/> *Young leaf: colour of upper side of blade	yellow green	green	green	green	yellow green
<input type="checkbox"/> *Young leaf: prostrate hairs between main veins on lower side of blade	absent or very sparse				
<input type="checkbox"/> *Shoot: colour of ventral side of internodes	green	green	green	green	green and red
<input type="checkbox"/> Shoot: length of tendrils	medium	short	short	medium	short
<input type="checkbox"/> *Flower: sexual organs	fully developed stamens and fully developed gynoecium				
<input checked="" type="checkbox"/> *Mature leaf: size of blade	large	medium	medium	medium	medium
<input type="checkbox"/> *Mature leaf: shape of	pentagonal	pentagonal	pentagonal	pentagonal	pentagonal

blade					
<input type="checkbox"/> Mature leaf: blistering of upper side of blade	weak	absent or very weak	weak	absent or very weak	absent or very weak
<input type="checkbox"/> *Mature leaf: number of lobes	five	seven	five	five	five
<input checked="" type="checkbox"/> Mature leaf: depth of upper lateral sinuses	very deep	deep	medium	absent or very shallow	shallow
<input type="checkbox"/> Mature leaf: arrangement of lobes of upper lateral sinuses (varieties with lobed leaves only)	open	slightly overlapped	open	open	open
<input type="checkbox"/> *Mature leaf: arrangement of lobes of petiole sinus	half open	slightly open	slightly open	half open	half open
<input type="checkbox"/> *Mature leaf: length of teeth	medium	short to medium	medium	medium	medium
<input type="checkbox"/> *Mature leaf: ratio length/width of teeth	small	small to medium	small	small	small
<input type="checkbox"/> *Mature leaf: shape of teeth	both sides concave	both sides concave	both sides concave	both sides concave	both sides concave
<input type="checkbox"/> *Mature leaf: proportion of main veins on upper side of blade with anthocyanin colouration	absent or very low	absent or very low	absent or very low	absent or very low	absent or very low
<input type="checkbox"/> *Mature leaf: erect hairs on main veins on lower side of blade	absent or very sparse				
<input type="checkbox"/> *Time of: beginning of berry ripening	late				
<input type="checkbox"/> *Bunch: size (peduncle excluded)	large				
<input type="checkbox"/> *Bunch: density	dense	loose to medium			
<input type="checkbox"/> Bunch: length of peduncle of primary bunch	medium				
<input type="checkbox"/> *Berry: size	medium	large to very large			
<input type="checkbox"/> *Berry: shape	obtuse ovoid				

<input type="checkbox"/> *Berry: colour of skin (without bloom)	yellow green				
<input type="checkbox"/> Berry: ease of detachment from pedicel	difficult	difficult			
<input type="checkbox"/> Berry: thickness of skin	medium	medium to thick			
<input type="checkbox"/> *Berry: anthocyanin colouration of flesh	absent or very weak				
<input type="checkbox"/> Berry: firmness of flesh	very firm	very firm			
<input type="checkbox"/> *Berry: particular flavour	none	other than muscat, foxy or herbaceous			
<input type="checkbox"/> *Berry: formation of seeds	rudimentary	absent			

Statistical Table					
Organ/Plant Part: Context	'M 44-14'	'Dawn Seedless'	'M 08-22'	'Perlette'	'Stanley Seedless'
<input checked="" type="checkbox"/> petiole: length (mm)					
Mean	66.00	60.00	75.30	73.40	61.50
Std. Deviation	9.80	11.60	13.40	19.50	17.20
Lsd/sig	5.82	P≤0.01	P≤0.01	P≤0.01	ns
<input checked="" type="checkbox"/> leaf: L1 (mm)					
Mean	84.70	93.70	95.70	83.10	83.90
Std. Deviation	12.70	13.90	10.90	17.20	16.00
Lsd/sig	5.87	P≤0.01	P≤0.01	ns	ns
<input checked="" type="checkbox"/> leaf: L2L (mm)					
Mean	73.50	83.50	78.50	80.40	67.90
Std. Deviation	12.90	11.50	10.40	10.80	14.50
Lsd/sig	4.72	P≤0.01	P≤0.01	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> leaf: L2R (mm)					
Mean	74.70	80.50	78.10	82.60	69.90
Std. Deviation	10.70	11.10	8.40	11.10	13.40
Lsd/sig	4.53	P≤0.01	ns	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> leaf: L3L (mm)					

Mean	48.40	58.20	55.40	57.50	48.20
Std. Deviation	6.60	7.40	6.20	8.60	11.00
Lsd/sig	3.40	P≤0.01	P≤0.01	P≤0.01	ns
<input checked="" type="checkbox"/> leaf: L3R (mm)					
Mean	49.50	58.80	52.50	57.90	49.20
Std. Deviation	6.30	9.20	7.20	9.60	10.00
Lsd/sig	3.47	P≤0.01	ns	P≤0.01	ns
<input checked="" type="checkbox"/> leaf: ratio P/ L1					
Mean	0.78	0.65	0.79	0.76	0.72
Std. Deviation	0.06	0.15	0.08	0.15	0.11
Lsd/sig	0.045	P≤0.01	ns	ns	P≤0.01

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

No prior applications.

First sold in Australia on 10<sup>th</sup> Nov 2010

description: **Peter Clingeffer**, CSIRO Plant Industry, Waite Campus, SA 5064

<b>Details of Application</b>	
<b>Application Number</b>	2011/018
<b>Variety Name</b>	'M 48-42'
<b>Genus Species</b>	<i>Vitis</i> hybrid
<b>Common Name</b>	Grape vine
<b>Synonym</b>	Black Gem
<b>Accepted Date</b>	30 Mar 2011
<b>Applicant</b>	CSIRO, Canberra, Australia
<b>Agent</b>	N/A
<b>Qualified Person</b>	Peter Clingeffer
<b>Details of Comparative Trial</b>	
<b>Location</b>	CSIRO Irymple Farm
<b>Descriptor</b>	UPOV TG TG/50/9 and descriptor for Grapevine ( <i>Vitis</i> spp.) IPGRI (UPOV, OIV) 1997
<b>Period</b>	Measurements were collected in December 2013.
<b>Conditions</b>	'M 48-42' (syn. 'Black Gem') was compared with the three common knowledge, black seedless currant varieties ('Carina', 'Cape Currant' and 'Zante Currant'). The vines were propagated from dormant cuttings collected during winter 2008. The cuttings were rooted in sand on a hot bed before transfer to standard potting mix in 4.5 L pots. They were maintained in the shade house at the former CSIRO Merbein Site before transfer in spring 2011 to the shade house located at the CSIRO Irymple farm. Each year, the vines have been allowed to grow as a single shoot by removing lateral buds. The vines have been maintained by pruning back to a 2-bud spur when dormant in winter.
<b>Trial Design</b>	Due to difficulties in propagation and other losses, vine numbers of the comparator varieties in the trial varied i.e. 'M 48-42' (17), 'Carina' (13), 'Cape Currant' (10) and 'Zante Currant' (11). The position of each potted vine of the candidate and comparator varieties were randomized across two benches in the shade house, with each potted vine treated as a replicate.
<b>Measurements</b>	For vines in the pot trial, leaf lamina length (L1) was recorded from the point at which the petiole attached to the mid-apex of the leaf. Similar measurements were made between the point at which the lamina attached to the apices of the distal lobes (L2, R2) and the proximal lobes (L3, R3). Petiole length was also recorded. The measurements were used to calculate a number of ratios. The first fully expanded leaf from the shoot tip was selected for this purpose. Ampelographic data following descriptors provided for Grapevine ( <i>Vitis</i> spp.) by IPGRI 1997 (UPOV, OIV) were recorded at flowering for vines grown under field conditions in spring 2016.
<b>RHS Chart -edition</b>	N/A
<b>Origin and Breeding</b>	

Controlled pollination: ‘M 48-42’ (syn. ‘Black Gem’) was selected from progeny of a controlled cross between Seyve-Villard 39-639, a complex multispecies, disease resistant hybrid and Beauty Seedless, a black, early ripening table grape variety. The cross by was made in spring 1980 under the direction of Dr Alan Antcliff (deceased). Seedlings were planted in the field in spring 1981. The cross aimed to combine the disease resistant traits of Seyve-Villard 39-639 to fungal infection by downy and powdery mildew with the early ripening, seedless traits of Beauty Seedless. ‘M 48-42’ was identified as a potential seedless, currant type with “spicy” flavour when first assessed during the period, 1985-88. It has a fresh berry weight ranging from 0.6 to 0.9 grams, which is similar to commercial varieties grown in Australia, i.e. ‘Carina’ and ‘Zante Currant’ for dried currant production. The potential of ‘M 48-42’ as a new dried currant was assessed in own-rooted, multiplied plantings established by CSIRO at its former Merbein site in 1989 and at the CSIRO Irymple site in 1993. A rootstock planting of ‘M 48-42’ which included a comparison of own rooted vines with Ramsey, 1103 Paulsen, 140 Ruggeri and Kober 5BB rootstocks was planted on a grower property in 2003. A one hectare, semi-commercial planting of M48-42 was established in 2004 by top-working to ‘Zante Currant’ vines grafted on Ramsey rootstock. This site has been managed using a tall cordon-based hanging cane system without application of fungicides or hormone berry setting sprays. In contrast to the commercial currant varieties, the studies have shown that ‘M 48-42’ does not require the application of fungicides for the control of powdery and downy mildew or the application of hormone treatments to promote fruit set. Dried berries from ‘M 48-42’ have been shown to have high levels of antioxidants. While dried fruit production is expected to be the primary use for the variety, it has also shown potential for juice and wine production and as a table grape variety for niche markets. Breeder: Alan Antcliff and Peter Clingeffer, CSIRO.

<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Berry	colour	black group
Berry	size	0.6 - 0.9 g
Berry	seedlessness	seedless
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
‘Carina’	CSIRO variety released in 1975. It is the main grapevine variety used for currant production in Australia. It has almost replaced the rain sensitive ‘Zante Currant’.	
‘Zante Currant’	Established currant variety in Australia, now largely replaced by ‘Carina’. It is rain sensitive and requires setting hormone sprays.	
‘Cape Currant’	A currant variety held in the CSIRO grapevine collection at Irymple. Not grown commercially in Australia.	

<b>Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.</b>				
<b>Organ/Plant Part: Context</b>	<b>‘M 48-42’</b>	<b>‘Cape Currant’</b>	<b>‘Carina’</b>	<b>‘Zante Currant’</b>
<input type="checkbox"/> *Young shoot: openness of tip	half open	half open	half open	half open
<input type="checkbox"/> *Young shoot: prostrate hairs on tip	medium	dense	absent or very sparse	very dense
<input type="checkbox"/> *Young leaf: colour of upper side of blade	light copper red	light copper red	green	light copper red
<input type="checkbox"/> *Young leaf: prostrate hairs between main veins on lower side of blade	absent or very sparse	very sparse to sparse	absent or very sparse	very dense
<input type="checkbox"/> *Shoot: colour of ventral side of internodes	green	green	green and red	green
<input type="checkbox"/> Shoot: length of tendrils	short	medium	medium	medium
<input type="checkbox"/> *Flower: sexual organs	fully developed stamens and fully developed gynoecium			
<input checked="" type="checkbox"/> *Mature leaf: size of blade	small	large	medium	large
<input type="checkbox"/> *Mature leaf: shape of blade	pentagonal	pentagonal	pentagonal	pentagonal
<input type="checkbox"/> Mature leaf: blistering of upper side of blade	weak	absent or very weak	absent or very weak	medium
<input type="checkbox"/> *Mature leaf: number of lobes	five	five	five	five
<input checked="" type="checkbox"/> Mature leaf: depth of upper lateral sinuses	shallow	deep	deep	deep
<input checked="" type="checkbox"/> Mature leaf: arrangement of lobes of upper lateral sinuses (varieties with lobed leaves only)	slightly overlapped	open	open	open
<input checked="" type="checkbox"/> *Mature leaf: arrangement of lobes of petiole sinus	strongly overlapped	half open	half open	half open
<input type="checkbox"/> *Mature leaf: length of teeth	medium	medium	short	medium
<input type="checkbox"/> *Mature leaf: ratio length/width of teeth	small	small	small	small
<input type="checkbox"/> *Mature leaf: shape of teeth	both sides convex	mixture of both sides straight and both sides convex	mixture of both sides straight and both sides convex	both sides straight
<input type="checkbox"/> *Mature leaf: proportion of main veins on upper side of blade with anthocyanin colouration	low	absent or very low	absent or very low	absent or very low

<input type="checkbox"/> Mature leaf: prostrate hairs between main veins on lower side of blade	absent or very sparse	very sparse to sparse	absent or very sparse	dense
<input type="checkbox"/> *Mature leaf: erect hairs on main veins on lower side of blade	absent or very sparse			
<input type="checkbox"/> *Time of: beginning of berry ripening	very early to early			
<input type="checkbox"/> *Bunch: size (peduncle excluded)	small			
<input type="checkbox"/> *Bunch: density	lax to medium			
<input type="checkbox"/> *Berry: size	very small			
<input type="checkbox"/> *Berry: shape	ovoid			
<input type="checkbox"/> *Berry: colour of skin (without bloom)	blue black			
<input type="checkbox"/> *Berry: anthocyanin colouration of flesh	weak to medium			
<input checked="" type="checkbox"/> *Berry: particular flavour	herbaceous	muscat	none	none
<input type="checkbox"/> *Berry: formation of seeds	none			

<b>Statistical Table</b>				
<b>Organ/Plant Part: Context</b>	<b>'M 48-42'</b>	<b>'Cape Currant'</b>	<b>'Carina'</b>	<b>'Zante Currant'</b>
<input checked="" type="checkbox"/> <u>Petiole: length (mm)</u>				
Mean	44.50	55.20	63.50	63.10
Std. Deviation	11.51	15.02	9.46	9.48
Lsd/sig	5.53	P≤0.01	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> <u>Leaf: L1 (mm)</u>				
Mean	69.00	77.30	84.50	77.10
Std. Deviation	16.70	16.66	13.20	13.80
Lsd/sig	7.41	ns	P≤0.01	ns
<input checked="" type="checkbox"/> <u>Leaf: L2R (mm)</u>				
Mean	62.40	67.50	74.30	73.50
Std. Deviation	15.50	14.50	12.81	8.80
Lsd/sig	6.51	ns	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> <u>Leaf: L2L (mm)</u>				
Mean	60.20	69.80	76.00	74.30
Std. Deviation	15.30	15.27	11.69	10.90
Lsd/sig	6.60	ns	P≤0.01	P≤0.01

<input checked="" type="checkbox"/> Leaf: L3R (mm)				
Mean	45.50	49.40	51.40	55.80
Std. Deviation	11.25	11.36	9.05	7.22
Lsd/sig	4.85	ns	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Leaf: L3L (mm)				
Mean	44.10	51.30	52.50	55.40
Std. Deviation	11.85	12.10	7.47	6.19
Lsd/sig	4.81	ns	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Leaf: ratio P/L1				
Mean	0.65	0.72	0.76	0.83
Std. Deviation	0.10	0.12	0.13	0.14
Lsd/sig	0.06	P≤0.01	P≤0.01	P≤0.01

**Prior Applications and Sales:**

No prior applications and sale.

Description: **Peter Clingeffer**, CSIRO Plant Industry, Waite Campus, SA 5064

<b>Details of Application</b>		
<b>Application Number</b>	2018/099	
<b>Variety Name</b>	'HFR18'	
<b>Genus Species</b>	<i>Actinidia chinensis</i>	
<b>Common Name</b>	Kiwifruit	
<b>Synonym</b>	HONGSHI 2	
<b>Accepted Date</b>	30 May 2018	
<b>Applicant</b>	Deyang Professional Academy of Kiwifruit, Xia Yuan Village, Shifang County, Sichuan Province, China	
<b>Agent</b>	BLOOMZ New Zealand Limited, Tauranga, New Zealand	
<b>Qualified Person</b>	Andrew Warren	
<b>Details of Comparative Trial</b>		
<b>Overseas Testing Authority</b>	CREA-FRU, Rome, Italy	
<b>Overseas Data Reference Number</b>	2013 A/4 and UPOV TG/98/7	
<b>Location</b>	CREA-FRU Via Fiorranello, 52 , 00134 Rome, Italy	
<b>Descriptor</b>	CPVO-TP/098/2	
<b>Period</b>	2013-2016	
<b>Measurements</b>	All measurements and observations taken according to UPOV guidelines	
<b>RHS Chart - edition</b>	N/A	
<b>Origin and Breeding</b>		
<p>Controlled pollination: 'HFR18' originates from a controlled cross made by the inventor in April 2000 in Xia Yuan village, Shifang County, Sichuan Province, China. The seed parent is the <i>Actinidia chinensis</i> 'Hongyang'. The pollen parent is the <i>Actinidia chinensis</i> 'SF0612M'. Seeds were sown in February 2001 and 550 seedlings were then planted out in the field in a kiwifruit research station in Shifang County, Sichuan Province China, in February 2002. The seedlings first fruited in April 2005. One female seedling was propagated by grafting on to rootstock in October 2007. The new <i>Actinidia</i> cultivar was selected by the inventor in a controlled environment in 2009 in Shifang County, Sichuan Province, China. Asexual reproduction of the new cultivar is by grafting on rootstocks of <i>Actinidia deliciosa</i>, and was first performed in April 2010 in a kiwifruit research station in Shifang County, Sichuan Province, China. The combination of characteristics as herein disclosed for the new cultivar are stable and retained through successive generations of asexual reproduction. The new cultivar reproduces true to type. Breeder: Mingzhang Li, Deyang Professional Academy of Kiwifruit, Xia yuan village, Shifang County, Sichuan Province, China.</p>		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Plant	time of maturity for harvest	medium
Fruit	weight	medium
Fruit	stylar end	weakly depressed
Fruit	hairiness of skin	present

Fruit	colour of outer pericarp	medium green		
Fruit	colour of locules	red purple		
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>				
<b>Name</b>	<b>Comments</b>			
'Hongyang'	Seed parent			
<b>Varieties of Common Knowledge identified and subsequently excluded</b>				
<b>Variety</b>	<b>Distinguishing Characteristics</b>	<b>State of Expression in Candidate Variety</b>	<b>State of Expression in Comparator Variety</b>	<b>Comments</b>
'Hort16A'	Fruit colour of outer pericarp	medium green	medium yellow	
'RS1'	Fruit colour of outer pericarp	medium green	medium yellow	
'Hayward'	Fruit colour of locules	red purple	medium green	

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

<b>Organ/Plant Part: Context</b>	<b>'HFR18'</b>	<b>'Hongyang'</b>
<input type="checkbox"/> *Plant: sex	female	
<input type="checkbox"/> Plant: self fruit setting	absent	
<input type="checkbox"/> Plant: ploidy	diploid	
<input type="checkbox"/> Plant: vigour	medium	
<input type="checkbox"/> *Young shoot: density of hair	very sparse	
<input type="checkbox"/> *Young shoot: anthocyanin colouration of growing tip	absent or very weak	
<input type="checkbox"/> Stem: thickness	thin	
<input type="checkbox"/> *Stem: colour of shoot on sunny side	red brown	
<input type="checkbox"/> Stem: texture of bark	moderately rough	
<input type="checkbox"/> Stem: density of hair	absent or sparse	
<input type="checkbox"/> *Stem: size of lenticels	small	
<input checked="" type="checkbox"/> *Stem: number of lenticels	medium	few
<input type="checkbox"/> *Stem: prominence of bud support	medium	
<input type="checkbox"/> *Stem: presence of bud cover	absent	
<input type="checkbox"/> *Stem: leaf scar	moderately depressed	
<input type="checkbox"/> Stem: pith	lamellate	
<input type="checkbox"/> *Leaf blade: shape	obovate	
<input type="checkbox"/> Leaf blade: ratio length/width	moderately	

	elongated	
<input type="checkbox"/> *Leaf blade: shape of apex	acuminate	
<input type="checkbox"/> Leaf blade: basal lobes	slightly overlapping	
<input type="checkbox"/> Leaf blade: density of hair on upper side	absent or very sparse	
<input type="checkbox"/> Leaf blade: density of hair on lower side	medium	
<input checked="" type="checkbox"/> *Leaf blade: intensity of green colour of upper side	medium	dark
<input type="checkbox"/> *Leaf blade: colour of lower side	light green	
<input type="checkbox"/> Leaf blade: presence of variegation	absent	
<input type="checkbox"/> Leaf: ratio petiole length/blade length	large	
<input type="checkbox"/> Petiole: anthocyanin colouration of upper side	absent or very weak	
<input type="checkbox"/> Inflorescence: type	solitary	
<input type="checkbox"/> Inflorescence: number of flowers	medium	
<input type="checkbox"/> Flower: number of sepals	many	
<input type="checkbox"/> *Flower: main colour of sepals	green	
<input type="checkbox"/> Flower: density of sepals hair	medium	
<input checked="" type="checkbox"/> *Flower: diameter	large	medium
<input type="checkbox"/> *Flower: arrangement of petals	overlapping	
<input type="checkbox"/> Flower: shape in profile	flat	
<input type="checkbox"/> Flower: number of styles	medium	
<input type="checkbox"/> Flower: attitude of styles	irregular	
<input type="checkbox"/> Petal: main colour on adaxial side	yellowish white	
<input type="checkbox"/> Petal: shading of main colour	even	
<input type="checkbox"/> Petal: second colour on adaxial side	green	
<input type="checkbox"/> Petal: distribution of second colour	basal spot only	
<input type="checkbox"/> Anther: colour	yellow	
<input type="checkbox"/> *Fruit: weight	medium	medium
<input type="checkbox"/> *Fruit: length	medium	
<input type="checkbox"/> *Fruit: width	medium	
<input type="checkbox"/> *Fruit: ratio length/width	medium	
<input type="checkbox"/> *Fruit: shape	elliptic	circular
<input type="checkbox"/> *Fruit: shape in cross section	transverse elliptic	

<input type="checkbox"/>	*Fruit: stylar end	weekly depressed	weekly depressed
<input type="checkbox"/>	Fruit: presence of calyx ring	absent or weakly expressed	
<input type="checkbox"/>	*Fruit: shape of shoulder at stalk end	truncate	
<input type="checkbox"/>	Fruit: length of stalk	long	
<input type="checkbox"/>	Fruit: length of stalk relative to length of fruit	long	
<input type="checkbox"/>	Fruit: conspicuousness of lenticels on skin	medium	
<input type="checkbox"/>	*Fruit: hairiness of skin	present	present
<input type="checkbox"/>	*Fruit: density of hair	sparse	
<input type="checkbox"/>	Fruit: colour of hair	medium brown	
<input type="checkbox"/>	*Fruit: adherence of hairs to skin	weak	
<input checked="" type="checkbox"/>	*Fruit: colour of skin	light brown	greenish brown
<input type="checkbox"/>	*Fruit: colour of outer pericarp	medium green	medium green
<input type="checkbox"/>	*Fruit: colour of locules	red purple	red purple
<input type="checkbox"/>	*Fruit: spread of reddish colour along locules	very strong	
<input type="checkbox"/>	*Fruit: intensity of reddish colour in locules	dark	
<input type="checkbox"/>	*Fruit: width of core relative to fruit	medium to large	
<input type="checkbox"/>	*Fruit: general shape of core in cross section	transverse elliptic	
<input type="checkbox"/>	*Fruit: colour of core	yellow white	
<input type="checkbox"/>	Fruit: sweetness	high	
<input type="checkbox"/>	Fruit: acidity	medium	
<input type="checkbox"/>	*Time of: vegetative bud burst	early	
<input type="checkbox"/>	*Time of: beginning of flowering	medium	
<input type="checkbox"/>	*Time of: maturity for harvest	medium	medium

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

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
Chile	2016	Granted	'HFR18'
EU	2012	Granted	'HFR18'
New Zealand	2017	Applied	'HFR18'
USA	2016	Granted	'HFR18'

First sold in China under the name 'Hongshi 2' in October 2015.

Description: **Andrew Warren**, Bloomz, Tauranga, New Zealand.

<b>Details of Application</b>	
<b>Application Number</b>	2018/217
<b>Variety Name</b>	'PBA Hallmark XT'
<b>Genus Species</b>	<i>Lens culinaris</i>
<b>Common Name</b>	Lentil
<b>Synonym</b>	Hallmark XT
<b>Accepted Date</b>	12 Sep 2018
<b>Applicant</b>	Agriculture Victoria Services Pty Ltd, Attwood, VIC and Grains Research and Development Corporation, Barton, ACT.
<b>Agent</b>	PB Seeds Pty. Ltd., Kalkee, VIC.
<b>Qualified Person</b>	Janine Sounness
<b>Details of Comparative Trial</b>	
<b>Location</b>	Kalkee, VIC
<b>Descriptor</b>	UPOV TG/210/1
<b>Period</b>	July to December 2018
<b>Conditions</b>	The trial was sown in July, 2018, on Wimmera grey cracking clay soil at Kalkee, Victoria. Rainfall was below average and some frost events occurred in spring.
<b>Trial Design</b>	Field trial: Randomised complete block design with 4 replicates, 8 rows wide and two blocks (plus & minus imidazolinone herbicide) with 12,000 plants per variety.
<b>Measurements</b>	Anthocyanin colouration, early vigour, plant height, growth habit, plant tolerance to imidazolinone herbicide, leaf traits, flower traits, pod traits, dry seed traits, flowering and maturity time
<b>RHS Chart - edition</b>	N/A
<b>Origin and Breeding</b>	
<p>Controlled pollination: 'PBA Hallmark XT' was derived from a simple cross between two elite lentil lines, 'PBA HERALD XT' and 'PBA BOLT', in 2007. Hybridisation was confirmed using seed characteristics and F<sub>2</sub> seed (harvested from an individual plant) was sown in the field in 2008. Imidazolinone herbicide was applied to the F<sub>2</sub> segregating population to select for tolerant plants. Individual seed was selected from surviving F<sub>2</sub> plants and grown over a summer generation. F<sub>3</sub>-derived F<sub>4</sub> rows were sown in the field in 2009 and imidazolinone herbicide was again applied to the F<sub>2</sub> segregating population to select for tolerant plants. Surviving plants were bulk-harvested and resown in 2010 in a plot trial with a third round of imidazolinone herbicide for selection. Based on agronomic and visual seed characteristics PBA Hallmark XT was selected for further regional evaluation in field and controlled environment experiments from 2011-16. PBA Hallmark XT was selected for release based on a combination of agronomic type, high grain yield across different regions, mid-season maturity, resistance to ascochyta blight and botrytis grey mould, and grain characteristics (medium red lentil with a grey seed coat). In 2013 and 2016, assessment of BGM resistance was performed in replicated field trials with natural occurrence of <i>Botrytis cinerea</i> and <i>Botrytis fabae</i>. During seed multiplication, pure seed lots were grown with imidazolinone herbicide applied to remove intolerant contaminants or self-sown lentils. Breeder: Dr Matthew Rodda, DEDJTR, VIC.</p>	

<b>Choice of Comparators</b> 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			
Dry seed	cotyledon colour	orange			
Flower	colour of standard	blue			
Dry seed	main colour of testa	ochre			
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>					
Name	Comments				
'PBA Jumbo2'	Blue flower with orange cotyledons, flowering and maturity similar to Hallmark XT				
'PBA Bolt'	Blue flower with orange cotyledons and dry seed colour similar to Hallmark XT				
'PBA Hurricane XT'	Blue flower with orange cotyledons, flowering and herbicide tolerance similar to Hallmark XT				
'PBA Herald XT'	Blue flower with orange cotyledons, dry seed colour and herbicide tolerance similar to Hallmark XT				
<b>Varieties of Common Knowledge identified and subsequently excluded</b>					
Variety	Distinguishing Characteristics Organ/Plant Part Context		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'PBA Giant'	dry seed	main testa colour	ochre	green	
'PBA Greenfield'	dry seed	main testa colour	ochre	green	
'PBA Ace'	plant	tolerance to imidazolinone	present	absent	'PBA Ace' also has stronger early plant vigour and greater dry seed weight and dry seed width

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

Organ/Plant Part: Context	'PBA Hallmark XT'	'PBA Bolt'	'PBA Herald XT'	'PBA Hurricane XT'	'PBA Jumbo2'
<input type="checkbox"/> *Cotyledon: colour	orange	orange	orange	orange	orange
<input checked="" type="checkbox"/> Plant: habit	erect	erect	erect to semi-erect	erect to semi-erect	semi-erect
<input type="checkbox"/> *Plant: anthocyanin colouration	absent	absent	absent	absent	absent
<input type="checkbox"/> *Plant: height	medium to	medium to	medium	medium to	medium

	tall	tall		tall	
<input type="checkbox"/> Leaf: shape	ovate	ovate	ovate	ovate	ovate
<input type="checkbox"/> Leaf: intensity of green colour	medium	medium	medium	medium	medium
<input type="checkbox"/> Leaf: number of leaflets	medium	medium	medium	medium	medium
<input type="checkbox"/> Leaflet: size	medium	medium	medium	medium	medium
<input type="checkbox"/> Raceme: number of flowers per node	two to three	two to three	two to three	two to three	two to three
<input type="checkbox"/> Flower: size	medium	medium	medium	medium	medium
<input type="checkbox"/> *Flower: colour of standard	blue	blue	blue	blue	blue
<input type="checkbox"/> Pod: intensity of colour	medium	medium	medium	medium	medium
<input type="checkbox"/> Pod: number of ovules	mainly one	mainly one	mainly one	mainly one	mainly one
<input type="checkbox"/> *Pod: colour at dry harvest maturity	yellow	yellow	yellow	yellow	yellow
<input checked="" type="checkbox"/> *Pod: length at dry harvest maturity	medium	medium	short	medium	medium to long
<input checked="" type="checkbox"/> Pod: width	medium	medium	narrow	narrow to medium	medium to broad
<input type="checkbox"/> Pod: shape of apex	truncate	truncate	truncate	truncate	truncate
<input checked="" type="checkbox"/> *Dry seed: width	medium	broad	very narrow	narrow	very broad
<input type="checkbox"/> *Dry seed: profile in longitudinal section	elliptic	elliptic	elliptic	elliptic	elliptic
<input type="checkbox"/> *Dry seed: number of colours	one	one	one	one	one
<input type="checkbox"/> *Dry seed: main colour of testa	ochre	ochre	ochre	ochre	ochre
<input checked="" type="checkbox"/> *Dry seed: weight	medium	high	very low	low	very high
<input type="checkbox"/> *Time of: flowering	medium	early to medium	medium to late	medium	medium
<input checked="" type="checkbox"/> Time of: maturity	medium	early to medium	late	medium	medium

<b>Characteristics Additional to the Descriptor/TG</b>					
<b>Organ/Plant Part: Context</b>	<b>‘PBA Hallmark XT’</b>	<b>‘PBA Bolt’</b>	<b>‘PBA Herald XT’</b>	<b>‘PBA Hurricane XT’</b>	<b>‘PBA Jumbo2’</b>
<input checked="" type="checkbox"/> Plant: tolerance to imidazolinone	present	absent	present	present	absent
<input checked="" type="checkbox"/> Plant: early vigour	moderate to strong	moderate to strong	weak	moderate	moderate to strong

<b>Statistical Table</b>					
<b>Organ/Plant Part: Context</b>	<b>'PBA Hallmark XT'</b>	<b>'PBA Bolt'</b>	<b>'PBA Herald XT'</b>	<b>'PBA Hurricane XT'</b>	<b>'PBA Jumbo2'</b>
☑ Dry seed: weight (g/100 seeds)					
Mean	4.56	4.98	3.27	3.73	5.50
Std. Deviation	0.10	0.08	0.05	0.07	0.08
LSD/sig	0.04	P≤0.01	P≤0.01	P≤0.01	P≤0.01

**Prior Applications and Sales:**

Nil

Description: **Janine Sounness**, PB Seeds Pty. Ltd., Kalkee, VIC.

<b>Details of Application</b>	
<b>Application Number</b>	2015/200
<b>Variety Name</b>	'Jezabeel'
<b>Genus Species</b>	<i>Lactuca sativa</i>
<b>Common Name</b>	Lettuce
<b>Synonym</b>	
<b>Accepted Date</b>	19 Aug 2015
<b>Applicant</b>	Vilmorin, LA Menitre, France
<b>Agent</b>	Shelston IP, Sydney, NSW
<b>Qualified Person</b>	Calixto Dilag
<b>Details of Comparative Trial</b>	
<b>Location</b>	Templestowe, Victoria
<b>Descriptor</b>	TG/13/11
<b>Period</b>	2018 to 2019
<b>Conditions</b>	End of spring 2018 cropping into early 2019. Trial was planted with black fleece mat with drip irrigation. Full observation were done up to bolting.
<b>Trial Design</b>	Side by side comparison. 100 plants of each varieties divided into replicates.
<b>Measurements</b>	as per UPOV guidelines
<b>RHS Chart - edition</b>	
<b>Origin and Breeding</b>	
Controlled pollination: Cross made in summer 2006 between the two parents, F2 screened in Spain in autumn 2007, F3 tested in France for <i>Bremia lactucae</i> and <i>Nasonovia ribisnigri</i> resistance in spring 2008, F3 screened in Spain in winter 2008-2009, F4 tested in France for <i>Bremia lactucae</i> and <i>Nasonovia ribisnigri</i> resistance in spring 2009, F4 screened in Spain in winter 2009-2010, F5 tested in France for <i>Bremia lactucae</i> and <i>Nasonovia ribisnigri</i> resistance in spring 2010, F5 screened in Spain in spring 2011, F6 tested in France for <i>Bremia lactucae</i> and <i>Nasonovia ribisnigri</i> resistance in summer 2011, F7 was produced in LA Menitre during summer 2012. Breeder: Vilmorin, LA Menitre, France	

<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Seed	colour	black
Resistance	downy mildew isolate BI:16	present
Head	formation	closed
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
' Empire Rose '		

<b>Varieties of Common Knowledge identified and subsequently excluded</b>					
<b>Variety</b>	<b>Distinguishing Characteristics</b>		<b>State of Expression in Candidate Variety</b>	<b>State of Expression in Comparator Variety</b>	<b>Comments</b>
'Patagonia'	Resistance	to <i>Nasonovia ribisnigri</i> (Nr): 0	absent	present	
'Pursuit'	Resistance	to <i>Bremia lactucae</i> (Bl) Isolate Bl: 27	absent	present	

<b>Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.</b>		
<b>Organ/Plant Part: Context</b>	<b>'Jezabeel'</b>	<b>'Empire Rose'</b>
<input type="checkbox"/> Seed: colour	black	black
<input type="checkbox"/> Plant: diameter	large	medium
<input type="checkbox"/> Plant: degree of overlapping of upper part of leaves	strong	strong
<input type="checkbox"/> Leaf: attitude	semi-erect	erect
<input type="checkbox"/> Leaf: number of divisions	absent or very few	absent or very few
<input type="checkbox"/> Leaf: shape	medium oblate	obovate
<input type="checkbox"/> Leaf: shape of apex	rounded	rounded
<input type="checkbox"/> Leaf: longitudinal section	concave	concave
<input type="checkbox"/> Leaf: anthocyanin colouration	absent or very weak	absent or very weak
<input type="checkbox"/> Leaf: colour	green	green
<input type="checkbox"/> Leaf: intensity of green colour	medium to dark	medium
<input type="checkbox"/> Leaf: glossiness of upper side	weak	weak
<input checked="" type="checkbox"/> Leaf: thickness	thick	medium
<input type="checkbox"/> Leaf: blistering	weak	weak to medium
<input checked="" type="checkbox"/> Leaf: size of blisters	small	medium
<input checked="" type="checkbox"/> Leaf: undulation of margin	medium	medium to strong
<input type="checkbox"/> Leaf: type of incisions of margin	irregularly dentate	irregularly dentate

<input type="checkbox"/>	Leaf: depth of incisions of margin	shallow	medium
<input type="checkbox"/>	Leaf: density of incisions of margin	sparse to medium	medium
<input type="checkbox"/>	Leaf: venation	flabellate	flabellate
<input checked="" type="checkbox"/>	Head: size	large	medium
<input type="checkbox"/>	Head: shape in longitudinal section	narrow oblate	circular
<input type="checkbox"/>	Head: density	loose to medium	medium
<input type="checkbox"/>	Upper part of leaves: time of harvest maturity	very early	medium
<input type="checkbox"/>	Plant: time of beginning of bolting	early	medium
<input type="checkbox"/>	Plant: axillary sprouting	absent or weak	absent or weak
<input type="checkbox"/>	Bolting stem: fasciation	weak	weak
<input type="checkbox"/>	Resistance to <i>Bremia lactucae</i> (Bl) Isolate Bl: 16	present	present
<input type="checkbox"/>	Resistance to <i>Bremia lactucae</i> (Bl) Isolate Bl: 17	present	present
<input type="checkbox"/>	Resistance to <i>Bremia lactucae</i> (Bl) Isolate Bl: 20	present	present
<input type="checkbox"/>	Resistance to <i>Bremia lactucae</i> (Bl) Isolate Bl: 21	present	present
<input type="checkbox"/>	Resistance to <i>Bremia lactucae</i> (Bl) Isolate Bl: 22	present	present
<input type="checkbox"/>	Resistance to <i>Bremia lactucae</i> (Bl) Isolate Bl: 23	present	present
<input type="checkbox"/>	Resistance to <i>Bremia lactucae</i> (Bl) Isolate Bl: 24	present	present
<input type="checkbox"/>	Resistance to <i>Bremia lactucae</i> (Bl) Isolate Bl: 25	present	present
<input type="checkbox"/>	Resistance to <i>Bremia lactucae</i> (Bl) Isolate Bl: 26	present	present
<input type="checkbox"/>	Resistance to <i>Bremia lactucae</i> (Bl) Isolate Bl: 27	absent	present
<input type="checkbox"/>	Resistance to <i>Bremia lactucae</i> (Bl) Isolate Bl: 29	present	present
<input type="checkbox"/>	Resistance to <i>Bremia lactucae</i> (Bl) Isolate Bl: 30	absent	present

<input type="checkbox"/> Resistance to <i>Bremia lactucae</i> (Bl) Isolate Bl: 31	absent	present
<input type="checkbox"/> Resistance to <i>Nasonovia ribisnigri</i> (Nr): 0	present	present

**Prior Applications and Sales:**

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
EU	2015	Granted	'Jezabeel'

First sold in Australia on 1<sup>st</sup> March 2015

Description: **Calixto Dilag**, HM Clause Pacific, Templestowe, Vic

<b>Details of Application</b>	
<b>Application Number</b>	2018/023
<b>Variety Name</b>	'Tawrrific'
<b>Genus Species</b>	<i>Lactuca sativa</i>
<b>Common Name</b>	Lettuce
<b>Synonym</b>	
<b>Accepted Date</b>	28 Feb 2018
<b>Applicant</b>	Vilmorin, LA Menitre, France
<b>Agent</b>	Shelston IP, Sydney, NSW
<b>Qualified Person</b>	Calixto Dilag
<b>Details of Comparative Trial</b>	
<b>Location</b>	Templestowe, Victoria
<b>Descriptor</b>	TG/13/11
<b>Period</b>	2018 to 2019
<b>Conditions</b>	End of spring 2018 cropping into early 2019. Trial was planted with black fleece mat with drip irrigation. Full observation were done up to bolting.
<b>Trial Design</b>	Side by side comparison with 100 plants of each variety divided into replicates
<b>Measurements</b>	as per UPOV guidelines
<b>RHS Chart - edition</b>	
<b>Origin and Breeding</b>	
Controlled pollination: Main selection criteria used to develop the variety are <i>Bremia lactucae</i> resistance, <i>Nasonovia ribisnigri</i> resistance, frame and head size. Cross made in spring 2010 between the two parents, F2 : 68/23508/03 was screening in Spain in spring 2012, F3 : 11/21614/01 was tested in France for <i>Bremia lactucae</i> and <i>Nasonovia</i> resistance in summer 2012, F3 : 11/21614/01 was screening in Spain in spring 2013, F4 : 12/21837/05 was tested in France for <i>Bremia lactucae</i> and <i>Nasonovia</i> resistance in summer 2013, F4 : 12/21837/05 was screening in France in spring 2014, F5 : 14/16453/30 was tested in France for <i>Bremia lactucae</i> and <i>Nasonovia</i> resistance in fall 2014, F5 : 14/16453/30 was screening in France in spring 2015, F6 : 15/16042/04 was tested in France for <i>Bremia lactucae</i> resistance in fall 2015, F7 : 15/16042/40 was produced in Peru in spring 2017. Breeder: Vilmorin, LA Menitre, France	

<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Plant	type	crisp
Leaf	anthocyanin colouration	absent or very week
Plant	resistance to downy mildew ( <i>Bremia lactucae</i> ) Bl:16	present

<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>	
<b>Name</b>	<b>Comments</b>
' Empire Rose '	
' Jezabeel '	

<b>Varieties of Common Knowledge identified and subsequently excluded</b>					
<b>Variety</b>	<b>Distinguishing Characteristics</b>		<b>State of Expression in Candidate Variety</b>	<b>State of Expression in Comparator Variety</b>	<b>Comments</b>
'Pursuit'	plant	diameter	large	medium	

<b>Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.</b>			
<b>Organ/Plant Part: Context</b>	<b>'Tawrrific'</b>	<b>'Empire Rose'</b>	<b>'Jezabeel'</b>
<input checked="" type="checkbox"/> Seed: colour	yellow	black	black
<input type="checkbox"/> Plant: diameter	medium	medium	large
<input type="checkbox"/> Plant: degree of overlapping of upper part of leaves	strong	strong	strong
<input type="checkbox"/> Leaf: attitude	erect	erect	semi-erect
<input type="checkbox"/> Leaf: number of divisions	absent or very few	absent or very few	absent or very few
<input type="checkbox"/> Leaf: shape	broad obtrullate	obovate	medium oblate
<input type="checkbox"/> Leaf: shape of apex	rounded	rounded	rounded
<input type="checkbox"/> Leaf: longitudinal section	concave	concave	concave
<input type="checkbox"/> Leaf: anthocyanin colouration	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/> Leaf: colour	green	green	green
<input checked="" type="checkbox"/> Leaf: intensity of green colour	light	medium	medium to dark
<input type="checkbox"/> Leaf: glossiness of upper side	weak	weak	weak
<input type="checkbox"/> Leaf: thickness	medium	medium	thick
<input type="checkbox"/> Leaf: blistering	weak	weak to medium	weak
<input type="checkbox"/> Leaf: size of blisters	small	medium	small
<input checked="" type="checkbox"/> Leaf: undulation of margin	weak	medium to strong	medium

<input type="checkbox"/> Leaf: type of incisions of margin	irregularly dentate	irregularly dentate	irregularly dentate
<input type="checkbox"/> Leaf: depth of incisions of margin	shallow	medium	shallow
<input type="checkbox"/> Leaf: density of incisions of margin	medium	medium	sparse to medium
<input type="checkbox"/> Leaf: venation	flabellate	flabellate	flabellate
<input checked="" type="checkbox"/> Head: size	medium	medium	large
<input type="checkbox"/> Head: shape in longitudinal section	circular	circular	narrow oblate
<input type="checkbox"/> Head: density	medium	medium	loose to medium
<input type="checkbox"/> Upper part of leaves: time of harvest maturity	medium	medium	very early
<input type="checkbox"/> Plant: time of beginning of bolting	medium	medium	early
<input type="checkbox"/> Plant: axillary sprouting	absent or weak	absent or weak	absent or weak
<input type="checkbox"/> Bolting stem: fasciation	weak	weak	weak
<input type="checkbox"/> Resistance to <i>Bremia lactucae</i> (Bl) Isolate Bl: 16	present	present	present
<input type="checkbox"/> Resistance to <i>Bremia lactucae</i> (Bl) Isolate Bl: 17	present	present	present
<input type="checkbox"/> Resistance to <i>Bremia lactucae</i> (Bl) Isolate Bl: 20	present	present	present
<input type="checkbox"/> Resistance to <i>Bremia lactucae</i> (Bl) Isolate Bl: 21	present	present	present
<input type="checkbox"/> Resistance to <i>Bremia lactucae</i> (Bl) Isolate Bl: 22	present	present	present
<input type="checkbox"/> Resistance to <i>Bremia lactucae</i> (Bl) Isolate Bl: 23	present	present	present
<input type="checkbox"/> Resistance to <i>Bremia lactucae</i> (Bl) Isolate Bl: 24	present	present	present
<input type="checkbox"/> Resistance to <i>Bremia lactucae</i> (Bl) Isolate Bl: 25	present	present	present
<input type="checkbox"/> Resistance to <i>Bremia lactucae</i> (Bl) Isolate Bl: 26	present	present	present
<input type="checkbox"/> Resistance to <i>Bremia lactucae</i> (Bl) Isolate Bl: 27	present	present	absent

<input type="checkbox"/> Resistance to <i>Bremia lactucae</i> (Bl) Isolate Bl: 29	present	present	absent
<input type="checkbox"/> Resistance to <i>Bremia lactucae</i> (Bl) Isolate Bl: 30	absent	present	absent
<input checked="" type="checkbox"/> Resistance to <i>Bremia lactucae</i> (Bl) Isolate Bl: 31	absent	present	present
<input type="checkbox"/> Resistance to <i>Nasonovia ribisnigri</i> (Nr): 0	present	present	present

**Prior Applications and Sales:**

No prior sale and applications.

Description: **Calixto Dilag**, HM Clause Pacific, Templestowe, Vic

<b>Details of Application</b>		
<b>Application Number</b>	2019/012	
<b>Variety Name</b>	'CHERRY BOMB'	
<b>Genus Species</b>	<i>Syzygium australe</i>	
<b>Common Name</b>	Lilly Pilly	
<b>Synonym</b>	Mighty Dazza	
<b>Accepted Date</b>	07 Feb 2019	
<b>Applicant</b>	Reline Management Pty Ltd ATF The Cole Unit Trust, Banjup, WA	
<b>Qualified Person</b>	Philip Watkins	
<b>Details of Comparative Trial</b>		
<b>Location</b>	348 Beenyup Rd, Banjup, WA	
<b>Descriptor</b>	Lilly Pilly	
<b>Period</b>	September 2018 - July 2019	
<b>Conditions</b>	Vegetatively propagated plants grown in pots located in full sun with same soil mix, fertiliser and irrigation	
<b>Trial Design</b>	10 - 20 plants of each variety side by side.	
<b>Measurements</b>	observations were made on plant parts taken from each of six plants sampled at random.	
<b>RHS Chart - edition</b>	1986	
<b>Origin and Breeding</b>		
Seedling selection: In 2011 seed was collected from <i>Syzygium australe</i> 'Resilience' plants that been grown side by side with <i>Syzygium australe</i> 'Winter Lights' plants to allow cross pollination between the varieties. In 2012 a single seedling growing amongst other seedlings which were grown from the seed collected in 2011, was discovered to be a rapid grower with a strong upright central stem bearing many short lateral branches suited to topiary. This seedling also displayed intense purple red new growth. Vegetative cuttings were taken from this seedling and resultant plants were planted in pots in 2013. All plants displayed same central upright growth form with purple red new growth. No off types were observed. A further round of cuttings was therefore subsequently taken and resultant plants were again potted up and again no off types have been observed. Breeder: Reline Management Pty Ltd ATF The Cole Unit Trust, Banjup, WA		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	
Stem	internode length	medium to long
Leaf	length/width ratio	small
Leaf	shape of blade	elliptic
Leaf	shape of apex	acute
Leaf	stiffness	medium
Mature leaf	colour	green
Newly emerged leaf	colour	red
Leaf	shape of cross section	convex

<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>	
<b>Name</b>	<b>Comments</b>
'Big Red'	

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

<b>Organ/Plant Part: Context</b>	<b>'CHERRY BOMB'</b>	<b>'Big Red'</b>
<input checked="" type="checkbox"/> Plant: growth habit	upright to strongly upright	bushy
<input checked="" type="checkbox"/> Plant: height	tall	medium
<input checked="" type="checkbox"/> Plant: branch density	medium to dense	sparse to medium
<input type="checkbox"/> Stem: branch angle	small - medium	small - medium
<input type="checkbox"/> Stem: internode length	medium	medium - long
<input type="checkbox"/> Stem: basal diameter	medium - large	medium
<input type="checkbox"/> Stem: colour of mature stem (RHS colour chart)	176C	177C
<input type="checkbox"/> Stem: colour of new growth (RHS colour chart)	178A	178A
<input checked="" type="checkbox"/> Leaf: blade length	short - medium	long
<input checked="" type="checkbox"/> Leaf: blade width	medium	broad
<input type="checkbox"/> Leaf: blade length/width ratio	small	small
<input type="checkbox"/> Leaf: petiole length	short	short - medium
<input type="checkbox"/> Leaf: shape of blade	elliptic	elliptic
<input type="checkbox"/> Leaf: shape of apex	acute	acute
<input type="checkbox"/> Leaf: shape of base	cuneate	cuneate
<input checked="" type="checkbox"/> Leaf: glossiness	strong	medium
<input type="checkbox"/> Leaf: shape of cross section	convex	convex
<input type="checkbox"/> Leaf: shape of longitudinal section	convex	convex to flat
<input type="checkbox"/> Leaf: stiffness	medium	medium
<input type="checkbox"/> Leaf: prominence of midrib on lower surface	prominent	prominent
<input type="checkbox"/> Mature leaf: primary colour of upper side (RHS colour chart)	147A	147A
<input checked="" type="checkbox"/> Mature leaf: primary colour of lower side (RHS colour chart)	147B	146B
<input checked="" type="checkbox"/> Partly mature leaf: primary colour of upper side (RHS colour chart)	187A	152A
<input checked="" type="checkbox"/> Partly mature leaf: primary colour of lower side (RHS colour chart)	187B	152D

<input checked="" type="checkbox"/> Newly emerged: upper side (RHS colour chart)	185A	178B
<input type="checkbox"/> Leaf: variegation	absent	absent
<input type="checkbox"/> Leaf: petiole colour (RHS colour chart)	199B	199B

<b>Characteristics Additional to the Descriptor/TG</b>		
<b>Organ/Plant Part: Context</b>	<b>'CHERRY BOMB'</b>	<b>'Big Red'</b>
<input type="checkbox"/> Leaf: presence of Psyllid attack symptoms	present	present
<input type="checkbox"/> Leaf: severity of Psyllid attack symptoms	medium	medium

**Prior Applications and Sales:**

Nil

Description: **Philip Watkins**, Singleton, WA

<b>Details of Application</b>		
<b>Application Number</b>	2019/013	
<b>Variety Name</b>	'PLUM MAGIC'	
<b>Genus Species</b>	<i>Syzygium australe</i>	
<b>Common Name</b>	Lilly Pilly	
<b>Synonym</b>	Dazzling Dazza	
<b>Accepted Date</b>	07 Feb 2019	
<b>Applicant</b>	Reline Management Pty Ltd ATF The Cole Unit Trust, Banjup WA	
<b>Qualified Person</b>	Philip Watkins	
<b>Details of Comparative Trial</b>		
<b>Location</b>	348 Beenyup Rd, Banjup, WA	
<b>Descriptor</b>	Lilly Pilly	
<b>Period</b>	September 2018 - July 2019	
<b>Conditions</b>	Vegetatively propagated plants grown in pots located in full sun with same soil mix, fertiliser and irrigation	
<b>Trial Design</b>	10 - 20 plants of each variety side by side.	
<b>Measurements</b>	observations were made on plant parts taken from each of six plants sampled at random	
<b>RHS Chart - edition</b>	1986	
<b>Origin and Breeding</b>		
<p>Seedling selection: In 2014 seed was collected from <i>Syzygium australe</i> 'Resilience' plants that been grown side by side with <i>Syzygium australe</i> 'Winter Lights' plants to allow cross pollination between the varieties. In 2015 a single seedling growing amongst other seedlings which were grown from the seed collected in 2014, was discovered to have narrow dark green leaves with a distinct waviness together with intense dark purple red new growth. This seedling also retained this purple coloration for a much longer period than is usual for coloration of new growth. The seedling like its siblings and parent was also found to be resistant to Psyllid attack. Vegetative cuttings were taken from this seedling and resultant plants were planted in pots in 2016. All plants displayed same wavy dark green leaf and purple red new growth. No off types were observed. A further round of cuttings was therefore subsequently taken and resultant plants were again potted up and again no off types have been observed. Breeder: Reline Management Pty Ltd ATF The Cole Unit Trust</p>		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	
Plant	growth habit	bushy to upright
Plant	branch density	medium to dense
Leaf	length/width ratio	medium to large
Leaf	shape of apex	acuminate
Leaf	shape of cross section	concave
Leaf	shape of longitudinal section	convex to flat

<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>	
<b>Name</b>	<b>Comments</b>
'Winter Lights'	

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

<b>Organ/Plant Part: Context</b>	<b>'PLUM MAGIC'</b>	<b>'Winter Lights'</b>
<input type="checkbox"/> Plant: growth habit	bushy to upright	bushy to upright
<input checked="" type="checkbox"/> Plant: height	tall	medium
<input type="checkbox"/> Plant: branch density	medium to dense	medium to dense
<input type="checkbox"/> Stem: branch angle	medium	small - medium
<input type="checkbox"/> Stem: internode length	medium - long	short - medium
<input type="checkbox"/> Stem: basal diameter	medium	medium
<input checked="" type="checkbox"/> Stem: colour of mature stem (RHS colour chart)	grey purple 183C	grey brown 199A
<input checked="" type="checkbox"/> Stem: colour of new growth (RHS colour chart)	grey purple 183A	grey red 178A
<input type="checkbox"/> Leaf: blade length	medium - long	medium
<input type="checkbox"/> Leaf: blade width	narrow	narrow
<input type="checkbox"/> Leaf: blade length/width ratio	medium large	medium
<input type="checkbox"/> Leaf: petiole length	short - medium	short - medium
<input type="checkbox"/> Leaf: shape of blade	lanceolate	elliptic - lanceolate
<input type="checkbox"/> Leaf: shape of apex	acuminate	acuminate
<input type="checkbox"/> Leaf: shape of base	cuneate	cuneate
<input checked="" type="checkbox"/> Leaf: glossiness	strong	medium
<input type="checkbox"/> Leaf: shape of cross section	concave	concave
<input type="checkbox"/> Leaf: shape of longitudinal section	convex to flat	convex to flat
<input type="checkbox"/> Leaf: stiffness	medium	medium
<input type="checkbox"/> Leaf: prominence of midrib on lower surface	prominent	prominent
<input checked="" type="checkbox"/> Mature leaf: primary colour of upper side (RHS colour chart)	147A	146A
<input checked="" type="checkbox"/> Mature leaf: primary colour of lower side (RHS colour chart)	147B	147C
<input checked="" type="checkbox"/> Partly mature leaf: primary colour of upper side (RHS colour chart)	200A-B	152A
<input checked="" type="checkbox"/> Partly mature leaf: primary colour of lower side (RHS colour chart)	199A-B	152A

colour chart)		
<input checked="" type="checkbox"/> Newly emerged: upper side (RHS colour chart)	183A	166A
<input type="checkbox"/> Leaf: variegation	absent	absent
<input checked="" type="checkbox"/> Leaf: petiole colour (RHS colour chart)	199B	177B

<b>Characteristics Additional to the Descriptor/TG</b>		
<b>Organ/Plant Part: Context</b>	<b>'PLUM MAGIC'</b>	<b>'Winter Lights'</b>
<input type="checkbox"/> Leaf: presence of Psyllid attack symptoms	absent	absent
<input type="checkbox"/> Leaf: severity of Psyllid attack symptoms	absent - very weak	absent - very weak
<input checked="" type="checkbox"/> Leaf: longitudinal twisting	present	absent

**Prior Applications and Sales:**

Nil

Description: **Philip Watkins**, Singleton, WA

<b>Details of Application</b>	
<b>Application Number</b>	2012/152
<b>Variety Name</b>	'Silverosa'
<b>Genus Species</b>	<i>Medicago sativa</i>
<b>Common Name</b>	Lucerne
<b>Synonym</b>	Silverosa GT
<b>Accepted Date</b>	15 Oct 2012
<b>Applicant</b>	Springbrook Nominees Pty Ltd, Belair, South Australia
<b>Agent</b>	N/A
<b>Qualified Person</b>	Ian Kaehne
<b>Details of Comparative Trial</b>	
<b>Location</b>	Belair, South Australia
<b>Descriptor</b>	Lucerne (UPOV TG/6/5)
<b>Period</b>	16/10/2017 to 24/2/2018
<b>Conditions</b>	<p>Field trial: conducted in accordance with the UPOV Test Guidelines, with 60 spaced plants of two generations of the candidate variety and each of the comparator varieties divided into three replicates. Plants were grown under normal agronomic practices.</p> <p>Salt tolerance trial: conducted in a glasshouse. The varieties entered into the trial were: 'Silverosa' (candidate variety) two generations, 'Jindera' (parent variety) 'Silverado' (parent variety), 'Genesis' (comparator), 'SARDI Seven' (comparator), 'Trifecta' (comparator). The entries were sown in rows (0.3g per row) in sandy loam soil in trays with dimensions 40cm x 28cm x 10cm. One row of each entry was sown in 7 rows randomly allocated in each tray. The trays had drain holes which allowed access to irrigating solutions when the trays were partially submerged to a depth of approximately 4cm and allowed drainage when the irrigating solutions were removed. The trial was sown on 16/10/2017 and irrigated with water by overhead sprinkling until 24/11/2017 when three treatments by partial submergence were commenced. The treatments were: 1. Water (Control treatment) 2. 100 mmol sodium chloride solution 3. 150 mmol sodium chloride solution. The trays were partially submerged for 5 minutes daily. The three treatments were continued until 24/2/2018. The trial was cut back to a plant height of 3-4cm on 23/12/2017 and 23/1/2018</p>
<b>Trial Design</b>	<p>Field trial: Randomised Complete Block Design.</p> <p>Salt tolerance trial: 7 entries randomised per tray x 2 replicates x 3 treatments x 2 replicates</p>
<b>Measurements</b>	<p>Field trial: In accordance with the UPOV Test Guidelines.</p> <p>Salt tolerance trial: There were 9 score levels: absent or very low (1), very low to low(2), low(3), low to medium (4), medium (5), medium to high (6), high (7), high to very high (8), very high (9). A qualitative average score for salinity tolerance of each variety was recorded.</p>
<b>RHS Chart - edition</b>	N/A

<b>Origin and Breeding</b>					
<p>Induced Mutation and controlled pollination: ‘Silverosa’ was derived from crosses between salt tolerant plants resulting from induced mutation in the variety ‘Jindera’ and parent clones of the variety ‘Silverado’. The progeny of these crosses were selected for between 4 and 6 cycles of mass selection for survival under saline conditions in 7 separate pathways of selection. The plants which survived each cycle of selection were randomly inter-crossed to produce the next generation in each pathway. Two selection methods were used: 1. Glasshouse selection using an irrigation methodology similar to that described above but applying a saline solution which was increased incrementally from 100 mmol up to 200mmol or 250 mmol over at least four months to identify plants with high salinity tolerance. The progeny of survivors of glasshouse selection proceeded to 1 or 2 cycles of field selection. 2. Field selection in two saline sites for plants surviving where non-tolerant varieties sown in adjacent rows did not establish or died while seedlings from exposure to highly saline soil conditions survived. The survivors of each cycle of field selection were also selected for agronomic performance, foliar disease resistance and seed production. Seed produced from random inter-crossing of the selections from the last cycle of field selection in each pathway was bulked to produce Generation 1 of Breeders Seed of ‘Silverosa’. This seed was used to produce a further Generation 2. Breeder: Dr Ian Kaehne, Springbrook Nominees Pty Ltd, Belair, South Australia.</p>					
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge					
<b>Organ/Plant Part</b>	<b>Context</b>		<b>State of Expression in Group of Varieties</b>		
Plant	tendency to grow during winter		dormancy rating 7		
Flower	frequency of plants with very dark blue violet flowers		high or very high		
Flower	frequency of plants with variegated flowers		very low to low		
Flower	frequency of plants with cream, white or yellow flowers		absent or very low		
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>					
<b>Name</b>	<b>Comments</b>				
‘Genesis’					
‘SARDI Seven’					
‘Trifecta’	Dormancy rating 8, however used as a check variety for low salt tolerance.				
<b>Varieties of Common Knowledge identified and subsequently excluded</b>					
<b>Variety</b>	<b>Distinguishing Characteristics</b>		<b>State of Expression in Candidate Variety</b>	<b>State of Expression in Comparator Variety</b>	<b>Comments</b>
‘Silverado’	Plant	salt tolerance	high	very low	parental variety
‘Jindera’	Plant	salt tolerance	high	low	parental variety
‘Aquarius’	Plant	salt tolerance	high	low	
‘Hallmark’	Plant	salt tolerance	high	low	
‘Aurora’	Plant	salt tolerance	high	low	
‘Hunterfield’	Plant	salt tolerance	high	low	
‘UQL-1’	Plant	salt tolerance	high	low	

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

<b>Organ/Plant Part: Context</b>	<b>'Silverosa'</b>	<b>'Genesis'</b>	<b>'SARDI Seven'</b>	<b>'Trifecta'</b>
<input checked="" type="checkbox"/> Plant: growth habit in autumn of the first year	semi erect	erect	erect to semi erect	erect
<input type="checkbox"/> *Plant: natural height 2 weeks after the first autumn equinox following sowing	tall	tall	tall	tall
<input type="checkbox"/> *Plant: natural height 6 weeks after the first autumn equinox following sowing	tall	tall	tall	tall
<input type="checkbox"/> *Plant: natural height in spring	tall	tall	tall	tall
<input type="checkbox"/> *Time of beginning of flowering	early	early	early	early
<input type="checkbox"/> *Flower: frequency of plants with very dark blue violet flowers	high	very high	very high	very high
<input type="checkbox"/> *Flower: frequency of plants with variegated flowers	very low to low	absent or very low	absent or very low	absent or very low
<input type="checkbox"/> *Flower: frequency of plants with cream, white or yellow flowers	absent or very low	absent or very low	absent or very low	absent or very low
<input type="checkbox"/> *Stem: length of the longest stem at full flowering	long	long	long	long
<input type="checkbox"/> Plant: natural height 3 weeks after 1st cut	tall	tall	tall	tall
<input type="checkbox"/> Plant: natural height 3 weeks after 2nd cut	tall	tall	tall	tall
<input type="checkbox"/> Plant: natural height 3 weeks after 3rd cut	tall	tall	tall	tall
<input type="checkbox"/> Plant: natural height 3 weeks after 4th cut	tall	tall	tall	tall
<input type="checkbox"/> Plant: natural height 2 weeks after the second autumn equinox following sowing	tall	tall	tall	tall

<input type="checkbox"/> Plant: natural height 6 weeks after the second autumn equinox following sowing	tall	tall	tall	tall
<input type="checkbox"/> *Plant: tendency to grow during winter	dormancy rating 7	dormancy rating 7	dormancy rating 7	dormancy rating 8
<input type="checkbox"/> Resistance to: <i>Verticillium alboatrum</i>	low	very low	very low	very low
<input checked="" type="checkbox"/> Resistance to: <i>Ditylenchus dipsaci</i>	high	high	high	very low to low
<input type="checkbox"/> Resistance to: <i>Colletotrichum trifolii</i>	very high	very high	very high	very high
<input type="checkbox"/> Resistance to: <i>Phytophthora medicaginis</i>	very high	very high	very high	very high
<input type="checkbox"/> Resistance to: <i>Acyrtosiphon kondoi</i>	very high	very high	very high	very high
<input type="checkbox"/> Resistance to: <i>Therioaphis maculata</i>	very high	very high	very high	very high

### Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Silverosa'	'Genesis'	'SARDI Seven'	'Trifecta'
<input checked="" type="checkbox"/> Plant: salt tolerance (1-9 scale)	high (7)	low (3)	very low (1)	low (3)

### Prior Applications and Sales

Nil.

Description: **Ian Kaehne**, Springbrook Nominees Pty Ltd, Belair, South Australia.

Note: This is an amended detailed description of this variety originally published in the *Plant Varieties Journal* Vol. 32 No. 2

<b>Details of Application</b>	
<b>Application Number</b>	2016/109
<b>Variety Name</b>	'OCT488'
<b>Genus Species</b>	<i>Citrus</i> L
<b>Common Name</b>	Mandarin
<b>Synonym</b>	
<b>Accepted Date</b>	27 Jun 2016
<b>Applicant</b>	AGRIDELMED S.L., Castellon, Spain
<b>Agent</b>	Nu Leaf I.P. Pty Ltd, Mildura, Vic 3500
<b>Qualified Person</b>	Matthew Cottrell
<b>Details of Comparative Trial</b>	
<b>Overseas Testing Authority</b>	Oficina Espanola De Variedades Vegetales (OEVV), Spain
<b>Overseas Data Reference Number</b>	2009/2395
<b>Location</b>	IVIA - 43113 Moncada, Valencia Spain
<b>Descriptor</b>	UPOV TG 201/1
<b>Period</b>	06/2003-12/2008
<b>Conditions</b>	Controlled environment small plot replicated experiment as in the OS test report
<b>Trial Design</b>	Data was generated from a designated growing trial conducted by Oficina Espanola De Variedades Vegetales (OEVV) Valencia, Spain comparing 'OCT488' with the nominated cultivars 'Clemenpons' and 'Arrufatina'.
<b>Measurements</b>	In accordance with UPOV TG
<b>RHS Chart - edition</b>	
<b>Origin and Breeding</b>	
Spontaneous mutation: The origin of this new cultivar is a branch mutation on a 'Clemenules' tree which appeared in the Villarreal area in Castellon (Spain). Several trees were grafted with buds from the mutated branch and over the years the owner was able to confirm the outstanding traits of the new variety. The cultivar was then cleaned up from all viruses and pests at the IVIA Institute in Valencia (Spain) by using the shoot tip grafting technique. Breeder: AGRIDELMED S.L., Castellon, Spain.	

<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Fruit	number of seeds	absent or very few
Tree	growth habit	spreading
Fruit	length	medium
Fruit	diameter	medium
Fruit	presence of neck	absent

Fruit	main colour of flesh	medium orange
Fruit juice	total soluble solids	medium
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
'Arrufatina'		
'Clemenpons'		

<b>Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.</b>			
<b>Organ/Plant Part: Context</b>	<b>'OCT488'</b>	<b>'Arrufatina'</b>	<b>'Clemenpons'</b>
<input type="checkbox"/> Ploidy:	diploid		
<input type="checkbox"/> *Tree: growth habit	spreading		
<input type="checkbox"/> Tree: density of spines	absent or sparse	intermediate	intermediate
<input type="checkbox"/> Tree: length of spines	long		
<input type="checkbox"/> Leaf blade: length	medium		
<input type="checkbox"/> Leaf blade: width	narrow		
<input type="checkbox"/> Leaf blade: ratio length/width	medium		
<input type="checkbox"/> Leaf blade: shape in cross section	straight or weakly concave		
<input type="checkbox"/> Leaf blade: incisions of margin	absent		
<input type="checkbox"/> Leaf blade: shape of apex	acute		
<input type="checkbox"/> Petiole: length	short		
<input type="checkbox"/> Petiole: presence of wings	absent		
<input type="checkbox"/> Flower: length of petal	short		
<input checked="" type="checkbox"/> Flower: width of petal	medium	narrow	narrow
<input type="checkbox"/> Flower: ratio length/width of petal	medium		
<input type="checkbox"/> Flower: length of stamens	medium		
<input type="checkbox"/> Anther: colour	medium yellow		
<input type="checkbox"/> Anther: viable pollen	present		
<input type="checkbox"/> Style: length	medium		
<input type="checkbox"/> *Fruit: length	medium		
<input type="checkbox"/> *Fruit: diameter	medium		
<input checked="" type="checkbox"/> *Fruit: ratio length/diameter	medium	small	
<input type="checkbox"/> *Fruit: position of broadest part	at middle		
<input type="checkbox"/> Fruit: shape in transverse section	somewhat angular		
<input type="checkbox"/> *Fruit: general shape of proximal	slightly rounded	flattened	

part			
<input type="checkbox"/> *Fruit: presence of neck	absent		
<input checked="" type="checkbox"/> *Fruit: presence of depression at stalk end (varieties without fruit neck only)	absent	present	
<input type="checkbox"/> Fruit: number of radial grooves at stalk end	intermediate	many	many
<input type="checkbox"/> Fruit: presence of collar	absent		
<input type="checkbox"/> *Fruit: general shape of distal part	flattened		
<input type="checkbox"/> *Fruit: presence of depression at distal end	present		
<input type="checkbox"/> *Fruit: presence of areola	incomplete	complete	absent
<input type="checkbox"/> Fruit: type of areola	smooth	grooved	
<input type="checkbox"/> Fruit: diameter of areola	medium		
<input checked="" type="checkbox"/> Fruit: diameter of stylar scar	medium	small	small
<input type="checkbox"/> Fruit: persistence of style	none		
<input type="checkbox"/> Fruit: presence of navel opening	absent		
<input checked="" type="checkbox"/> Fruit: presence of radial grooves at distal end	absent	present	
<input type="checkbox"/> *Fruit surface: predominant colours	yellow orange	medium orange	
<input type="checkbox"/> *Fruit surface: glossiness	medium		
<input type="checkbox"/> Fruit surface: roughness	medium		
<input type="checkbox"/> Fruit surface: size of oil glands	all more or less the same size	larger ones interspersed by smaller ones	larger ones interspersed by smaller ones
<input type="checkbox"/> Fruit surface: presence of pitting and pebbling in oil glands	pitting absent, pebbling present		
<input type="checkbox"/> *Fruit rind: thickness	medium		
<input type="checkbox"/> *Fruit rind: adherence to flesh	weak		
<input type="checkbox"/> Fruit rind: strength	medium		
<input type="checkbox"/> Fruit rind: oiliness	dry		medium
<input type="checkbox"/> Fruit: colour of albedo	white		
<input type="checkbox"/> Fruit: density of albedo	loose		
<input type="checkbox"/> *Fruit: amount of albedo adhering to flesh	medium		
<input type="checkbox"/> Fruit: presence of albedo strands	present		
<input type="checkbox"/> Fruit: amount of albedo strands	medium		

<input type="checkbox"/> *Fruit: main colour of flesh	medium orange		
<input type="checkbox"/> Fruit: filling of core	sparse		
<input checked="" type="checkbox"/> Fruit: diameter of core	medium	large	large
<input type="checkbox"/> Fruit: presence of rudimentary segments	absent or weak		
<input checked="" type="checkbox"/> Fruit: number of well developed segments	many		medium
<input type="checkbox"/> Fruit: coherence of adjacent segment walls	weak		
<input type="checkbox"/> Fruit: strength of segment walls	strong		
<input type="checkbox"/> Fruit: length of juice vesicles	long		
<input type="checkbox"/> Fruit: thickness of juice vesicles	thin		
<input type="checkbox"/> *Fruit: presence of navel (viewed internally)	absent or very rare		
<input type="checkbox"/> Fruit: juiciness	high		
<input type="checkbox"/> *Fruit juice: total soluble solids	medium		
<input checked="" type="checkbox"/> Fruit juice: acidity	low		medium
<input checked="" type="checkbox"/> Fruit: strength of fibre	weak	medium	medium
<input type="checkbox"/> Fruit: number of seeds (controlled manual self-pollination)	absent or very few		
<input checked="" type="checkbox"/> *Time of: maturity of fruit for consumption	medium	early	early
<input type="checkbox"/> *Fruit: parthenocarpy	present		
<input type="checkbox"/> Plant: self-incompatibility	present		

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

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
EU	2009	Granted	'OCT488'
South Africa	2013	Pending	'OCT488'
Israel	2014	Pending	'OCT488'
Turkey	2014	Pending	'OCT488'

First sold in Spain on 30th June 2010

Description: **Matthew Cottrell**, Nu Leaf I.P. Pty Ltd, Mildura, Vic 3500

<b>Details of Application</b>		
<b>Application Number</b>	2011/212	
<b>Variety Name</b>	'AC41114'	
<b>Genus Species</b>	<i>Citrus reticulata</i>	
<b>Common Name</b>	Mandarin	
<b>Synonym</b>	Nil	
<b>Accepted Date</b>	18 Oct 2011	
<b>Applicant</b>	Craig Robert Pressler as Trustee for C & B Pressler Family Trust; Bindi Kristine Pressler as Trustee for C & B Pressler Family Trust, Emerald, QLD	
<b>Agent</b>	N/A	
<b>Qualified Person</b>	Michael Matthews	
<b>Details of Comparative Trial</b>		
<b>Location</b>	2PH Farm, Emerald, QLD	
<b>Descriptor</b>	UPOV Guideline for Citrus Group 1 (Mandarins) TG/201/1	
<b>Period</b>	2018-19	
<b>Conditions</b>	Located within a large mandarin planting at "Lochearn" Emerald, Queensland, Australia. Standard mandarin management of trees all the same age.	
<b>Trial Design</b>	2 rows within a block of Phoenix Mandarins. Random plantings within a set area of 6 varieties each consisting of 'AC41114', 'AC4916', 'ARCCIT34' (formerly F4A34), 'W Murcott' (also known as 'Afourer') and 'TANG-GOLD'. The rootstock for the PBR trial was Troyer citrange.	
<b>Measurements</b>	Observations were taken in accordance with the UPOV TG.	
<b>RHS Chart - edition</b>	2015	
<b>Origin and Breeding</b>		
Spontaneous mutation: 'W Murcott'. A limb Sport identified in the field, as fruit having no seeds. Buds from this limb were used for propagation of trees. These trees were grown for two years and fruit were assessed for presence of seed. This variety has shown to have no seeds and is therefore a candidate for our selection process. Breeder: Craig Robert Pressler, Emerald, QLD.		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Fruit	length	short to medium
Fruit	diameter	medium
Fruit	presence of neck	absent
Fruit	number of seeds (open pollination)	absent or very few

<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>				
<b>Name</b>		<b>Comments</b>		
'AC4916'		a mutation from 'W Murcott'		
'ARCCIT34'		formerly known as 'F4A34'		
'TANG-GOLD'		synonym Seedless Nadorcott		
'W Murcott'		also known as 'Afourer'		
<b>Varieties of Common Knowledge identified and subsequently excluded</b>				
<b>Variety</b>	<b>Distinguishing Characteristics</b>	<b>State of Expression in Candidate Variety</b>	<b>State of Expression in Comparator Variety</b>	<b>Comments</b>
'W Murcott'	Fruit: number of seeds (open pollination)	absent or very few	medium	The parental variety was included in the trial. However, it was subsequently excluded from side by side comparison due to its obvious differences in number of seeds.

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

<b>Organ/Plant Part: Context</b>	<b>'AC41114'</b>	<b>'AC4916'</b>	<b>'ARCCIT34'</b>	<b>'TANG-GOLD'</b>
<input type="checkbox"/> Ploidy:	diploid	diploid	diploid	diploid
<input checked="" type="checkbox"/> *Tree: growth habit	spreading	spreading	spreading	upright
<input type="checkbox"/> Tree: density of spines	absent or sparse	absent or sparse	absent or sparse	absent or sparse
<input type="checkbox"/> Leaf blade: shape in cross section	intermediate	intermediate	intermediate	intermediate
<input type="checkbox"/> Leaf blade: twisting	absent or weak	absent or weak	absent or weak	absent or weak
<input type="checkbox"/> Leaf blade: blistering	absent or weak	absent or weak	absent or weak	absent or weak
<input type="checkbox"/> Leaf blade: green colour	medium to dark	medium to dark	medium to dark	medium to dark
<input type="checkbox"/> Leaf blade: undulation of margin	absent or weak	absent or weak	absent or weak	absent or weak
<input type="checkbox"/> Leaf blade: incisions of margin	crenate	crenate	crenate	crenate
<input type="checkbox"/> Leaf blade: shape of apex	acute	acute	acute	acute
<input type="checkbox"/> Leaf blade: emargination at tip	absent	absent	absent	absent
<input type="checkbox"/> Petiole: presence of	absent	absent	absent	absent

wings				
<input type="checkbox"/> *Fruit: length	short to medium	medium	short to medium	short to medium
<input type="checkbox"/> *Fruit: diameter	medium	medium	medium	medium
<input type="checkbox"/> *Fruit: position of broadest part	at middle	at middle	at middle	at middle
<input type="checkbox"/> Fruit: shape in transverse section	circular	circular	circular	circular
<input type="checkbox"/> *Fruit: general shape of proximal part	flattened	flattened	flattened	flattened
<input type="checkbox"/> *Fruit: presence of neck	absent	absent	absent	absent
<input type="checkbox"/> *Fruit: presence of depression at stalk end (varieties without fruit neck only)	present	present	present	present
<input type="checkbox"/> Fruit: depth of depression at stalk end (varieties without fruit neck only)	medium	medium	medium	medium
<input type="checkbox"/> Fruit: presence of constriction at stalk end	present	present	present	present
<input type="checkbox"/> Fruit: expression of constriction at stalk end	medium	medium	medium	medium
<input type="checkbox"/> Fruit: number of radial grooves at stalk end	intermediate	intermediate	intermediate	many
<input type="checkbox"/> Fruit: length of radial grooves at stalk end	short to medium	short to medium	short to medium	short to medium
<input type="checkbox"/> Fruit: presence of collar	absent	absent	absent	absent
<input type="checkbox"/> *Fruit: general shape of distal part	flattened	flattened	flattened	flattened
<input type="checkbox"/> *Fruit: presence of depression at distal end	present	present	present	present
<input type="checkbox"/> Fruit: depth of depression at distal end	shallow	shallow	shallow	shallow
<input type="checkbox"/> Fruit: diameter of depression at distal end	medium	medium	medium	medium
<input type="checkbox"/> *Fruit: presence of areola	absent	absent	absent	absent

<input type="checkbox"/> Fruit: diameter of stylar scar	very small	very small	very small	very small
<input type="checkbox"/> Fruit: persistence of style	none	none	none	none
<input type="checkbox"/> Fruit: presence of navel opening	absent	absent	absent	absent
<input type="checkbox"/> Fruit: presence of radial grooves at distal end	absent	absent	absent	absent
<input type="checkbox"/> *Fruit surface: predominant colours	medium orange	medium orange	medium orange	orange red
<input type="checkbox"/> *Fruit surface: glossiness	strong to very strong	strong	strong to very strong	strong
<input type="checkbox"/> Fruit surface: roughness	smooth to medium	smooth to medium	smooth to medium	smooth
<input type="checkbox"/> Fruit surface: size of oil glands	all more or less the same size			
<input type="checkbox"/> Fruit surface: size of larger oil glands	medium	medium	medium	medium
<input type="checkbox"/> Fruit surface: conspicuousness of larger oil glands	strong	strong	strong	strong
<input type="checkbox"/> Fruit surface: presence of pitting and pebbling in oil glands	pitting and pebbling absent			
<input type="checkbox"/> *Fruit rind: thickness	thin to medium	medium to thick	medium	medium
<input type="checkbox"/> *Fruit rind: adherence to flesh	weak	weak	weak	weak
<input type="checkbox"/> Fruit rind: strength	weak	medium to strong	medium	medium
<input type="checkbox"/> Fruit rind: oiliness	medium	medium	medium	medium
<input type="checkbox"/> Fruit rind: conspicuousness of oil glands on inner surface	absent or weakly conspicuous			
<input type="checkbox"/> Fruit: colour of albedo	light orange	light orange	light orange	light orange
<input type="checkbox"/> Fruit: density of albedo	loose to medium	dense	dense	medium
<input type="checkbox"/> *Fruit: amount of albedo adhering to flesh	small to medium	medium	medium to large	medium
<input type="checkbox"/> Fruit: presence of	present	present	present	present

albedo strands				
<input type="checkbox"/> Fruit: amount of albedo strands	medium	medium	medium	medium
<input type="checkbox"/> *Fruit: main colour of flesh	dark orange	medium orange	dark orange	dark orange
<input type="checkbox"/> Fruit: filling of core	sparse	sparse	sparse	sparse
<input type="checkbox"/> Fruit: diameter of core	large	large	large	large
<input type="checkbox"/> Fruit: presence of rudimentary segments	absent or weak	absent or weak	absent or weak	absent or weak
<input type="checkbox"/> Fruit: number of well developed segments	medium	medium	medium	medium to many
<input type="checkbox"/> Fruit: coherence of adjacent segment walls	weak	weak	weak	weak
<input type="checkbox"/> Fruit: strength of segment walls	weak	weak	weak	weak
<input type="checkbox"/> Fruit: length of juice vesicles	medium	medium	medium	medium
<input type="checkbox"/> Fruit: thickness of juice vesicles	thin	thin	thin	thin
<input type="checkbox"/> *Fruit: presence of navel (viewed internally)	absent or very rare			
<input type="checkbox"/> Fruit: juiciness	high	high	high	high
<input type="checkbox"/> *Fruit juice: total soluble solids	medium	medium	medium	medium
<input type="checkbox"/> Fruit juice: acidity	low to medium	medium	low to medium	medium
<input type="checkbox"/> Fruit: strength of fibre	medium	weak to medium	weak to medium	weak
<input type="checkbox"/> Fruit: number of seeds (open pollination)	absent or very few	absent or very few	few	absent or very few
<input type="checkbox"/> *Time of maturity of fruit for consumption	early to medium	late	very early to early	early
<input type="checkbox"/> *Fruit: parthenocarpy	absent	absent	absent	absent
<input type="checkbox"/> Plant: self-incompatibility	absent	absent	absent	absent

### Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'AC41114'	'AC4916'	'ARCCIT34'	'TANG-GOLD'
<input checked="" type="checkbox"/> Tree: vigour	medium to strong	strong	medium	strong to very strong

<input type="checkbox"/> Leaf blade: colour of upper side (RHS Colour Chart)	NN137A	NN137C	NN137A	NN137A
<input type="checkbox"/> Leaf blade: colour of lower side (RHS Colour Chart)	NN137C	NN137C	NN137D	NN137C
<input checked="" type="checkbox"/> Fruit surface: colour at maturity (RHS Colour Chart)	N25A	N25B	N25A	24A
<input checked="" type="checkbox"/> Anther: number of viable pollen	high	n/a	n/a	very low

### Statistical Table

Organ/Plant Part: Context	'AC41114'	'AC4916'	'ARCCIT34'	'TANG-GOLD'
<input checked="" type="checkbox"/> Leaf length (mm)				
Mean	65.00	65.17	71.08	73.42
Std. Deviation	4.59	5.10	5.47	11.55
LSD/sig	7.69	ns	ns	P≤0.01
<input checked="" type="checkbox"/> Leaf width (mm)				
Mean	32.25	29.42	32.58	37.42
Std. Deviation	1.96	4.12	2.50	3.26
LSD/sig	3.43	ns	ns	P≤0.01
<input type="checkbox"/> Leaf length/width ratio				
Mean	2.02	2.24	2.19	1.96
Std. Deviation	0.17	0.26	0.14	0.23
LSD/sig	0.22	ns	ns	ns
<input checked="" type="checkbox"/> Petiole: length (mm)				
Mean	6.33	5.83	9.08	8.42
Std. Deviation	1.23	1.59	1.24	2.02
LSD/sig	1.92	ns	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Fruit: length (mm)				
Mean	55.64	60.51	55.27	54.71
Std. Deviation	3.55	3.91	3.52	3.40
LSD/sig	4.52	P≤0.01	ns	ns
<input type="checkbox"/> Fruit: diameter (mm)				
Mean	76.34	74.06	76.93	75.63
Std. Deviation	3.08	7.89	4.43	4.25
LSD/sig	6.66	ns	ns	ns
<input checked="" type="checkbox"/> Rind: thickness (mm)				
Mean	2.86	3.38	2.89	3.39
Std. Deviation	0.44	0.57	0.30	0.49
LSD/sig	0.51	P≤0.01	ns	P≤0.01

☐ Brix (°Bx)				
Mean	10.87	8.81	8.89	9.50
Std. Deviation	1.56	0.51	1.02	1.02
LSD/sig	1.23	P≤0.01	P≤0.01	P≤0.01

**Prior Applications and Sales:**

Nil.

Description: **Michael Matthews**, Emerald, QLD.

<b>Details of Application</b>		
<b>Application Number</b>	2011/213	
<b>Variety Name</b>	'AC4916'	
<b>Genus Species</b>	<i>Citrus reticulata</i>	
<b>Common Name</b>	Mandarin	
<b>Synonym</b>	Nil	
<b>Accepted Date</b>	18 Oct 2011	
<b>Applicant</b>	Craig Robert Pressler as Trustee for C & B Pressler Family Trust; Bindi Kristine Pressler as Trustee for C & B Pressler Family Trust, Emerald, QLD	
<b>Agent</b>	N/A	
<b>Qualified Person</b>	Michael Matthews	
<b>Details of Comparative Trial</b>		
<b>Location</b>	2PH Farm, Emerald, QLD	
<b>Descriptor</b>	UPOV Guideline for Citrus Group 1 (Mandarins) TG/201/1	
<b>Period</b>	2018-19	
<b>Conditions</b>	Located within a large mandarin planting at "Lochearn" Emerald, Queensland, Australia. Standard mandarin management of trees all the same age.	
<b>Trial Design</b>	2 rows within a block of Phoenix Mandarins. Random plantings within a set area of 6 varieties each consisting of 'AC41114', 'AC4916', 'ARCCIT34' (formerly F4A34), 'W Murcott' (also known as 'Afourer') and 'TANG-GOLD'. The rootstock for the PBR trial was Troyer citrange.	
<b>Measurements</b>	Observations were taken in accordance with the UPOV TG.	
<b>RHS Chart - edition</b>	2015	
<b>Origin and Breeding</b>		
Induced mutation: Irradiation of 'W Murcott' budsticks at University of Queensland. Buds propagated on Troyer citrange. Field planting commenced on 12 April 2009. These trees were grown and fruit were assessed for presence of seed. This variety has shown to have no seeds and is therefore a candidate for our selection process. Breeder: Craig Robert Pressler, Emerald, QLD.		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Fruit	length	short to medium
Fruit	diameter	medium
Fruit	presence of neck	absent
Fruit	number of seeds (open pollination)	absent or very few

<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>				
<b>Name</b>		<b>Comments</b>		
'AC41114'		a mutation from 'W Murcott'		
'ARCCIT34'		formerly known as 'F4A34'		
'TANG-GOLD'		synonym Seedless Nadorcott		
'W Murcott'		also known as 'Afourer'		
<b>Varieties of Common Knowledge identified and subsequently excluded</b>				
<b>Variety</b>	<b>Distinguishing Characteristics</b>	<b>State of Expression in Candidate Variety</b>	<b>State of Expression in Comparator Variety</b>	<b>Comments</b>
'W Murcott'	Fruit: number of seeds (open pollination)	absent or very few	medium	The parental variety was included in the trial. However, it was subsequently excluded from side by side comparison due to its obvious differences in number of seeds.

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

<b>Organ/Plant Part: Context</b>	<b>'AC4916'</b>	<b>'AC41114'</b>	<b>'ARCCIT34'</b>	<b>'TANG-GOLD'</b>
<input type="checkbox"/> Ploidy:	diploid	diploid	diploid	diploid
<input checked="" type="checkbox"/> *Tree: growth habit	spreading	spreading	spreading	upright
<input type="checkbox"/> Tree: density of spines	absent or sparse	absent or sparse	absent or sparse	absent or sparse
<input type="checkbox"/> Leaf blade: shape in cross section	intermediate	intermediate	intermediate	intermediate
<input type="checkbox"/> Leaf blade: twisting	absent or weak	absent or weak	absent or weak	absent or weak
<input type="checkbox"/> Leaf blade: blistering	absent or weak	absent or weak	absent or weak	absent or weak
<input type="checkbox"/> Leaf blade: green colour	medium to dark	medium to dark	medium to dark	medium to dark
<input type="checkbox"/> Leaf blade: undulation of margin	absent or weak	absent or weak	absent or weak	absent or weak
<input type="checkbox"/> Leaf blade: incisions of margin	crenate	crenate	crenate	crenate
<input type="checkbox"/> Leaf blade: shape of apex	acute	acute	acute	acute
<input type="checkbox"/> Leaf blade: emargination at tip	absent	absent	absent	absent

<input type="checkbox"/> Petiole: presence of wings	absent	absent	absent	absent
<input type="checkbox"/> *Fruit: length	medium	short to medium	short to medium	short to medium
<input type="checkbox"/> *Fruit: diameter	medium	medium	medium	medium
<input type="checkbox"/> *Fruit: position of broadest part	at middle	at middle	at middle	at middle
<input type="checkbox"/> Fruit: shape in transverse section	circular	circular	circular	circular
<input type="checkbox"/> *Fruit: general shape of proximal part	flattened	flattened	flattened	flattened
<input type="checkbox"/> *Fruit: presence of neck	absent	absent	absent	absent
<input type="checkbox"/> *Fruit: presence of depression at stalk end (varieties without fruit neck only)	present	present	present	present
<input type="checkbox"/> Fruit: depth of depression at stalk end (varieties without fruit neck only)	medium	medium	medium	medium
<input type="checkbox"/> Fruit: presence of constriction at stalk end	present	present	present	present
<input type="checkbox"/> Fruit: expression of constriction at stalk end	medium	medium	medium	medium
<input type="checkbox"/> Fruit: number of radial grooves at stalk end	intermediate	intermediate	intermediate	many
<input type="checkbox"/> Fruit: length of radial grooves at stalk end	short to medium	short to medium	short to medium	short to medium
<input type="checkbox"/> Fruit: presence of collar	absent	absent	absent	absent
<input type="checkbox"/> *Fruit: general shape of distal part	flattened	flattened	flattened	flattened
<input type="checkbox"/> *Fruit: presence of depression at distal end	present	present	present	present
<input type="checkbox"/> Fruit: depth of depression at distal end	shallow	shallow	shallow	shallow
<input type="checkbox"/> Fruit: diameter of depression at distal end	medium	medium	medium	medium
<input type="checkbox"/> *Fruit: presence of	absent	absent	absent	absent

areola				
<input type="checkbox"/> Fruit: diameter of stylar scar	very small	very small	very small	very small
<input type="checkbox"/> Fruit: persistence of style	none	none	none	none
<input type="checkbox"/> Fruit: presence of navel opening	absent	absent	absent	absent
<input type="checkbox"/> Fruit: presence of radial grooves at distal end	absent	absent	absent	absent
<input type="checkbox"/> *Fruit surface: predominant colours	medium orange	medium orange	medium orange	orange red
<input type="checkbox"/> *Fruit surface: glossiness	strong	strong to very strong	strong to very strong	strong
<input type="checkbox"/> Fruit surface: roughness	smooth to medium	smooth to medium	smooth to medium	smooth
<input type="checkbox"/> Fruit surface: size of oil glands	all more or less the same size			
<input type="checkbox"/> Fruit surface: size of larger oil glands	medium	medium	medium	medium
<input type="checkbox"/> Fruit surface: conspicuousness of larger oil glands	strong	strong	strong	strong
<input type="checkbox"/> Fruit surface: presence of pitting and pebbling in oil glands	pitting and pebbling absent			
<input type="checkbox"/> *Fruit rind: thickness	medium to thick	thin to medium	medium	medium
<input type="checkbox"/> *Fruit rind: adherence to flesh	weak	weak	weak	weak
<input type="checkbox"/> Fruit rind: strength	medium to strong	weak	medium	medium
<input type="checkbox"/> Fruit rind: oiliness	medium	medium	medium	medium
<input type="checkbox"/> Fruit rind: conspicuousness of oil glands on inner surface	absent or weakly conspicuous			
<input type="checkbox"/> Fruit: colour of albedo	light orange	light orange	light orange	light orange
<input type="checkbox"/> Fruit: density of albedo	dense	loose to medium	dense	medium
<input type="checkbox"/> *Fruit: amount of albedo adhering to flesh	medium	small to medium	medium to large	medium

<input type="checkbox"/> Fruit: presence of albedo strands	present	present	present	present
<input type="checkbox"/> Fruit: amount of albedo strands	medium	medium	medium	medium
<input type="checkbox"/> *Fruit: main colour of flesh	medium orange	dark orange	dark orange	dark orange
<input type="checkbox"/> Fruit: filling of core	sparse	sparse	sparse	sparse
<input type="checkbox"/> Fruit: diameter of core	large	large	large	large
<input type="checkbox"/> Fruit: presence of rudimentary segments	absent or weak	absent or weak	absent or weak	absent or weak
<input type="checkbox"/> Fruit: number of well developed segments	medium	medium	medium	medium to many
<input type="checkbox"/> Fruit: coherence of adjacent segment walls	weak	weak	weak	weak
<input type="checkbox"/> Fruit: strength of segment walls	weak	weak	weak	weak
<input type="checkbox"/> Fruit: length of juice vesicles	medium	medium	medium	medium
<input type="checkbox"/> Fruit: thickness of juice vesicles	thin	thin	thin	thin
<input type="checkbox"/> *Fruit: presence of navel (viewed internally)	absent or very rare			
<input type="checkbox"/> Fruit: juiciness	high	high	high	high
<input type="checkbox"/> *Fruit juice: total soluble solids	medium	medium	medium	medium
<input type="checkbox"/> Fruit juice: acidity	medium	low to medium	low to medium	medium
<input type="checkbox"/> Fruit: strength of fibre	weak to medium	medium	weak to medium	weak
<input type="checkbox"/> Fruit: number of seeds (open pollination)	absent or very few	absent or very few	few	absent or very few
<input type="checkbox"/> *Time of maturity of fruit for consumption	late	early to medium	very early to early	early
<input type="checkbox"/> *Fruit: parthenocarpy	absent	absent	absent	absent
<input type="checkbox"/> Plant: self-incompatibility	absent	absent	absent	absent

**Characteristics Additional to the Descriptor/TG**

<b>Organ/Plant Part: Context</b>	<b>'AC4916'</b>	<b>'AC41114'</b>	<b>'ARCCIT34'</b>	<b>'TANG-GOLD'</b>
<input checked="" type="checkbox"/> Tree: vigour	strong	medium to strong	medium	strong to very strong
<input type="checkbox"/> Leaf blade: colour of upper side (RHS Colour Chart)	NN137C	NN137A	NN137A	NN137A
<input type="checkbox"/> Leaf blade: colour of lower side (RHS Colour Chart)	NN137C	NN137C	NN137D	NN137C
<input checked="" type="checkbox"/> Fruit surface: colour at maturity (RHS Colour Chart)	N25B	N25A	N25A	24A

**Statistical Table**

<b>Organ/Plant Part: Context</b>	<b>'AC4916'</b>	<b>'AC41114'</b>	<b>'ARCCIT34'</b>	<b>'TANG-GOLD'</b>
<input checked="" type="checkbox"/> Leaf length (mm)				
Mean	65.17	65.00	71.08	73.42
Std. Deviation	5.10	4.59	5.47	11.55
LSD/sig	7.69	ns	ns	P≤0.01
<input checked="" type="checkbox"/> Leaf width (mm)				
Mean	29.42	32.25	32.58	37.42
Std. Deviation	4.12	1.96	2.50	3.26
LSD/sig	3.43	ns	ns	P≤0.01
<input checked="" type="checkbox"/> Leaf length/width ratio				
Mean	2.24	2.02	2.19	1.96
Std. Deviation	0.26	0.17	0.14	0.23
LSD/sig	0.22	ns	ns	P≤0.01
<input checked="" type="checkbox"/> Petiole: length (mm)				
Mean	5.83	6.33	9.08	8.42
Std. Deviation	1.59	1.23	1.24	2.02
LSD/sig	1.92	ns	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Fruit: length (mm)				
Mean	60.51	55.64	55.27	54.71
Std. Deviation	3.91	3.55	3.52	3.40
LSD/sig	4.52	P≤0.01	P≤0.01	P≤0.01
<input type="checkbox"/> Fruit: diameter (mm)				
Mean	74.06	76.34	76.93	75.63
Std. Deviation	7.89	3.08	4.43	4.25
LSD/sig	6.66	ns	ns	ns
<input checked="" type="checkbox"/> Rind: thickness (mm)				

Mean	3.38	2.86	2.89	3.39
Std. Deviation	0.57	0.44	0.30	0.49
LSD/sig	0.51	P≤0.01	ns	ns
<input checked="" type="checkbox"/> Brix (°Bx)				
Mean	8.81	10.87	8.89	9.50
Std. Deviation	0.51	1.56	1.02	1.02
LSD/sig	1.23	P≤0.01	ns	ns

**Prior Applications and Sales:**

Nil.

Description: **Michael Matthews**, Emerald, QLD.

<b>Details of Application</b>	
<b>Application Number</b>	2015/129
<b>Variety Name</b>	'th01-queen'
<b>Genus Species</b>	<i>Citrus</i> L
<b>Common Name</b>	Mandarin
<b>Synonym</b>	
<b>Accepted Date</b>	09-Mar-2017
<b>Applicant</b>	Angel Teresa Hermanos S.A., Alcante, Spain
<b>Agent</b>	Nu Leaf I.P. Pty Ltd, Mildura, Vic 3500
<b>Qualified Person</b>	Matthew Cottrell
<b>Details of Comparative Trial</b>	
<b>Overseas Testing Authority</b>	Oficina Espanola De Variedades Vegetales (OEVV), Spain
<b>Overseas Data Reference Number</b>	2006/0947
<b>Location</b>	IVIA, 43113 Moncada, Valencia, Spain
<b>Descriptor</b>	UPOV TG 201/1
<b>Period</b>	June 2007-June 2012
<b>Conditions</b>	Controlled environment small plot replicated experiment
<b>Trial Design</b>	Data was generated from a designated growing trial conducted by Oficina Espanola De Variedades Vegetales (OEVV) Valencia, Spain
<b>Measurements</b>	In accordance with UPOV TG
<b>RHS Chart - edition</b>	N/A
<b>Origin and Breeding</b>	
<p>Open pollination: 'th01-queen' mandarin is a natural hybrid of a Satsuma seed that appeared in Pilar de la Horadada, Alicante, Spain in 1987. It was grafted over Macrophylla, Volkameriana, Carrizo and Cleopatra rootstocks. Fruit production and evaluation began in 1995. Trials with cross pollination have been made with 'Orogrande', 'Oronules', 'Ortanique', 'Clemenpons' 'Fortune' and 'Valencia-Late'. Only the trials with 'Fortune' have occasionally produced some seed in the fruit of the 'th01-queen' mandarin. In 2006, budwood was sent to a center in Valencia, Spain, to clean the variety of the tristeza virus. In 2007, four trees certified as tristeza-free were kept in a breeding block of the center for further propagation and four trees were sent to a breeding block in Pilar de la Horadada, Alicante, Spain. Fruit production of those trees commenced in 2009. Breeder: Angel Teresa Hermanos S.A., Alcante, Spain.</p>	

<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Fruit	length	medium
Fruit	position of broadest	at middle

	part	
Fruit	ratio/diameter	very small to small
Fruit	presence of neck	absent
Fruit juice	total soluble solids	medium
Tree	density of spines	absent or sparse
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
'Owari'		
'Sunburst'		

<b>Varieties of Common Knowledge identified and subsequently excluded</b>					
<b>Variety</b>	<b>Distinguishing Characteristics</b>		<b>State of Expression in Candidate Variety</b>	<b>State of Expression in Comparator Variety</b>	<b>Comments</b>
'Afourer'	Fruit	presence of navel viewed internally	always present	absent or very rare	

<b>Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.</b>			
<b>Organ/Plant Part: Context</b>	<b>'th01-queen'</b>	<b>'Owari'</b>	<b>'Sunburst'</b>
<input type="checkbox"/> Ploidy:	diploid		
<input type="checkbox"/> *Tree: growth habit	drooping		spreading
<input type="checkbox"/> Tree: density of spines	absent or sparse		
<input type="checkbox"/> Leaf blade: length	medium	long	medium
<input type="checkbox"/> Leaf blade: width	medium		
<input type="checkbox"/> Leaf blade: ratio length/width	medium		
<input type="checkbox"/> Leaf blade: shape in cross section	straight or weakly concave		concave
<input type="checkbox"/> Leaf blade: incisions of margin	crenate		
<input type="checkbox"/> Leaf blade: shape of apex	acute		acute
<input type="checkbox"/> Petiole: length	medium		medium
<input type="checkbox"/> Petiole: presence of wings	absent	absent	
<input type="checkbox"/> Flower: length of petal	very short	long	
<input type="checkbox"/> Flower: width of petal	narrow to	broad	very narrow

	medium		
<input checked="" type="checkbox"/> Flower: ratio length/width of petal	small	medium to large	medium to large
<input type="checkbox"/> Flower: length of stamens	very short to short	short to medium	
<input checked="" type="checkbox"/> Anther: colour	white	light yellow	medium yellow
<input type="checkbox"/> Anther: viable pollen	absent		present
<input type="checkbox"/> Style: length	medium	long	
<input type="checkbox"/> *Fruit: length	medium		
<input checked="" type="checkbox"/> *Fruit: diameter	very large	small to medium	medium
<input type="checkbox"/> *Fruit: ratio length/diameter	very small to small		
<input type="checkbox"/> *Fruit: position of broadest part	at middle		
<input type="checkbox"/> Fruit: shape in transverse section	somewhat angular		scalloped
<input type="checkbox"/> *Fruit: general shape of proximal part	flattened		
<input type="checkbox"/> *Fruit: presence of neck	absent		
<input type="checkbox"/> *Fruit: presence of depression at stalk end (varieties without fruit neck only)	present	present	absent
<input type="checkbox"/> Fruit: number of radial grooves at stalk end	absent or few		many
<input type="checkbox"/> Fruit: presence of collar	absent		
<input type="checkbox"/> *Fruit: general shape of distal part	flattened		
<input type="checkbox"/> *Fruit: presence of depression at distal end	present		absent
<input type="checkbox"/> *Fruit: presence of areola	absent	incomplete	
<input checked="" type="checkbox"/> Fruit: diameter of stylar scar	very large	medium	small
<input type="checkbox"/> Fruit: persistence of style	none		
<input type="checkbox"/> Fruit: presence of navel opening	always present	occasionally present	
<input type="checkbox"/> Fruit: presence of radial grooves at distal end	absent		present
<input checked="" type="checkbox"/> *Fruit surface: predominant colours	orange red	medium yellow	red

<input type="checkbox"/> *Fruit surface: glossiness	strong	weak	
<input type="checkbox"/> Fruit surface: roughness	medium		
<input type="checkbox"/> Fruit surface: size of oil glands	larger ones interspersed by smaller ones	all more or less the same size	
<input type="checkbox"/> Fruit surface: presence of pitting and pebbling in oil glands	pitting present, pebbling absent		
<input type="checkbox"/> *Fruit rind: thickness	medium		
<input type="checkbox"/> *Fruit rind: adherence to flesh	weak		
<input type="checkbox"/> Fruit rind: strength	medium	weak	
<input checked="" type="checkbox"/> Fruit rind: oiliness	dry	medium	medium
<input type="checkbox"/> Fruit: colour of albedo	white	white	pink
<input checked="" type="checkbox"/> Fruit: density of albedo	loose	medium	medium
<input checked="" type="checkbox"/> *Fruit: amount of albedo adhering to flesh	very small to small	small	large
<input type="checkbox"/> Fruit: presence of albedo strands	present		
<input type="checkbox"/> Fruit: amount of albedo strands	medium		
<input type="checkbox"/> *Fruit: main colour of flesh	medium orange		dark orange
<input checked="" type="checkbox"/> Fruit: filling of core	dense	absent or very sparse	sparse
<input checked="" type="checkbox"/> Fruit: diameter of core	very large	large	medium to large
<input checked="" type="checkbox"/> Fruit: presence of rudimentary segments	strong	absent or weak	absent or weak
<input checked="" type="checkbox"/> Fruit: number of well developed segments	very many	medium to many	many
<input type="checkbox"/> Fruit: coherence of adjacent segment walls	weak	medium	
<input checked="" type="checkbox"/> Fruit: strength of segment walls	strong	medium	medium
<input type="checkbox"/> Fruit: length of juice vesicles	medium to long		
<input type="checkbox"/> Fruit: thickness of juice vesicles	thin		
<input type="checkbox"/> *Fruit: presence of navel (viewed internally)	always present	absent or very rare	
<input type="checkbox"/> Fruit: juiciness	medium to high		

<input type="checkbox"/> *Fruit juice: total soluble solids	medium		
<input type="checkbox"/> Fruit juice: acidity	medium to high		
<input checked="" type="checkbox"/> Fruit: strength of fibre	strong	medium	medium
<input type="checkbox"/> Fruit: number of seeds (controlled manual self-pollination)	absent or very few		few
<input checked="" type="checkbox"/> Fruit: number of seeds (open pollination)	medium	absent or very few	many to very many
<input type="checkbox"/> *Time of: maturity of fruit for consumption	late to very late	medium	
<input type="checkbox"/> *Fruit: parthenocarpy	present		
<input type="checkbox"/> Plant: self-incompatibility	present		absent

**Prior Applications and Sales:**

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
EU	2006	Granted	'Queen'
USA	2009	Granted	'Queen'

First sold in the UK on 1<sup>st</sup> March 2010

Description: **Matthew Cottrell**, Nu Leaf I.P. Pty Ltd, Mildura, Vic 3500



<b>Details of Application</b>	
<b>Application Number</b>	2018/027
<b>Variety Name</b>	'Silverball'
<b>Genus Species</b>	<i>Cucumis melo</i>
<b>Common Name</b>	Melon
<b>Synonym</b>	Silverbullet
<b>Accepted Date</b>	28 May 2019
<b>Applicant</b>	Nunhems B.V. Nunhem, The Netherlands
<b>Agent</b>	Shelston IP, Sydney, NSW
<b>Qualified Person</b>	Ean Blackwell

**Details of Comparative Trial**

<b>Overseas Testing Authority</b>	Naktuinbouw, The Netherlands
<b>Overseas Data Reference Number</b>	MLN668
<b>Location</b>	Naktuinbouw, Roelofarendsveen, NL
<b>Descriptor</b>	Melon ( <i>Cucumis melo</i> ) TG/104/5 Rev.
<b>RHS Chart - edition</b>	N/A

**Origin and Breeding**

Controlled pollination: In 2009-2011 observations first made in Esparto California, USA: Female parent: Pedigree line development to homozygosity; Male parent: Pedigree line development to homozygosity, followed by cross pollination. Breeders: Abbott & Cobb, Inc, Feasterville PA, USA.

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

<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Inflorescence	sex expression (at full flowering)	andromonoecious
Fruit	length	long
Fruit	ground colour of skin	white
Fruit	density of patches	absent or very sparse
Fruit	grooves	absent or very weakly expressed
Fruit	cork formation	absent
Fruit	pattern of cork formation	not applicable
Fruit	main colour of flesh	green
Seed	length	medium to long
Seed	color	cream yellow
Resistance to	<i>Fusarium oxysporum</i> f. sp. melonis: Race 0	present
Resistance to	<i>Fusarium oxysporum</i> f. sp. melonis: Race 1	absent
Resistance to	<i>Fusarium oxysporum</i> f. sp. melonis: Race 2	present

<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>	
<b>Name</b>	<b>Comments</b>
'Salgari'	

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

<b>Organ/Plant Part: Context</b>	<b>'Silverball'</b>	<b>'Salgari'</b>
<input type="checkbox"/> Seedling: length of hypocotyl	medium to long	
<input type="checkbox"/> Seedling: size of cotyledon	medium to large	
<input type="checkbox"/> Seedling: intensity of green colour of cotyledon	medium to dark	
<input type="checkbox"/> Leaf blade: size	medium	
<input type="checkbox"/> Leaf blade: intensity of green colour	medium to dark	
<input type="checkbox"/> Leaf blade: development of lobes	medium	
<input type="checkbox"/> Leaf blade: length of terminal lobe	medium	
<input type="checkbox"/> Leaf blade: dentation of margin	strong	
<input type="checkbox"/> Leaf blade: blistering	medium to strong	
<input type="checkbox"/> Petiole: attitude	semi-erect	
<input type="checkbox"/> Petiole: length	medium	
<input type="checkbox"/> *Inflorescence: sex expression	andromonoecious	
<input type="checkbox"/> Young fruit: hue of green colour of skin	green	
<input type="checkbox"/> *Young fruit: intensity of green colour of skin	light	
<input type="checkbox"/> Young fruit: density of dots	dense	
<input type="checkbox"/> Young fruit: size of dots	small	
<input type="checkbox"/> Young fruit: contrast of dot colour/ground colour	weak	
<input type="checkbox"/> Young fruit: conspicuousness of groove colouring	absent or very weak	
<input type="checkbox"/> Young fruit: length of peduncle	short	
<input type="checkbox"/> Young fruit: thickness of peduncle 1 cm from fruit	medium	
<input type="checkbox"/> Young fruit: extension of darker area around peduncle	absent or very small	
<input type="checkbox"/> Fruit: change of skin colour from young fruit to maturity	late in fruit development	
<input type="checkbox"/> *Fruit: length	long	
<input type="checkbox"/> *Fruit: diameter	broad to very broad	

<input type="checkbox"/> *Fruit: ratio length/diameter	medium	medium
<input type="checkbox"/> *Fruit: position of maximum diameter	at middle	
<input type="checkbox"/> *Fruit: shape in longitudinal section	broad elliptic	circular
<input type="checkbox"/> *Fruit: ground colour of skin	white	
<input checked="" type="checkbox"/> Fruit: hue of ground colour of skin	yellowish	absent or very weak
<input type="checkbox"/> Fruit: density of dots	dense	
<input type="checkbox"/> Fruit: size of dots	small	
<input type="checkbox"/> Fruit: colour of dots	white	
<input type="checkbox"/> *Fruit: density of patches	absent or very sparse	
<input type="checkbox"/> *Fruit: warts	absent	
<input type="checkbox"/> *Fruit: strength of attachment of peduncle at maturity	weak to medium	
<input type="checkbox"/> *Fruit: shape of base	rounded	
<input type="checkbox"/> *Fruit: shape of apex	rounded	
<input type="checkbox"/> *Fruit: size of pistil scar	medium to large	
<input type="checkbox"/> *Fruit: grooves	absent or very weakly expressed	
<input type="checkbox"/> *Fruit: creasing of surface	absent or very weak	
<input type="checkbox"/> *Fruit: cork formation	absent	
<input type="checkbox"/> Fruit: rate of change of skin colour from maturity to over maturity	absent or very slow	
<input type="checkbox"/> Fruit: width of flesh in longitudinal section	medium to thick	
<input type="checkbox"/> *Fruit: main color of flesh	green	
<input type="checkbox"/> Fruit: secondary salmon colouring of flesh (varieties with main color of flesh: white; greenish white; green; yellowish white only)	absent or very weak	
<input type="checkbox"/> *Seed: length	medium to long	
<input type="checkbox"/> Seed: width	medium to broad	
<input type="checkbox"/> Seed: shape	not pine-nut shape	
<input type="checkbox"/> *Seed: colour	cream yellow	
<input type="checkbox"/> Seed: intensity of colour (varieties with cream yellow seed color only)	medium to dark	
<input type="checkbox"/> Time of: male flowering	medium	
<input type="checkbox"/> Time of: female flowering	medium	

<input type="checkbox"/> Time of: ripening	medium to late	medium to late
<input type="checkbox"/> *Shelf life of: fruit	medium to long	
<input type="checkbox"/> Resistance to: <i>Fusarium oxysporum</i> f. sp. <i>melonis</i> Race 0	present	
<input type="checkbox"/> Resistance to: <i>Fusarium oxysporum</i> f. sp. <i>melonis</i> Race 1	absent	
<input type="checkbox"/> Resistance to: <i>Fusarium oxysporum</i> f. sp. <i>melonis</i> Race 2	present	
<input type="checkbox"/> Resistance to: <i>Fusarium oxysporum</i> f. sp. <i>melonis</i> Race 1-2	absent	
<input type="checkbox"/> Resistance to: <i>Sphaerotheca fuliginea</i> ( <i>Podosphaera xanthii</i> ) (Powdery mildew) Race 1	moderately resistant	
<input type="checkbox"/> Resistance to: <i>Sphaerotheca fuliginea</i> ( <i>Podosphaera xanthii</i> ) (Powdery mildew) Race 2	moderately resistant	
<input type="checkbox"/> Resistance to: <i>Sphaerotheca fuliginea</i> ( <i>Podosphaera xanthii</i> ) (Powdery mildew) Race 5	susceptible	
<input type="checkbox"/> Resistance to: colonization by <i>Aphis gossypii</i>	absent	
<input type="checkbox"/> Resistance to: Muskmelon Necrotic Spot Virus (MNSV) Race E8	absent	

**Prior Applications and Sales:**

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
The Netherlands	2017	Granted	'Silverball'

First sold in Honduras in Feb 2016.

Description: **Ean Blackwell**, Shelston IP, Sydney, NSW

<b>Details of Application</b>		
<b>Application Number</b>	2016/245	
<b>Variety Name</b>	'MXWPCN'	
<b>Genus Species</b>	<i>Magnolia hybrid</i>	
<b>Common Name</b>	Michelia	
<b>Synonym</b>	White Pearl	
<b>Accepted Date</b>	15 May 2017	
<b>Applicant</b>	Coolwyn Nurseries Pty Ltd, Monbulk, VIC.	
<b>Agent</b>	N/A	
<b>Qualified Person</b>	Christopher Prescott	
<b>Details of Comparative Trial</b>		
<b>Location</b>	Vika Ave, Monbulk Victoria	
<b>Descriptor</b>	PBR MAGN Magnolia	
<b>Period</b>	October 2017 to August 8 2019	
<b>Conditions</b>	The trial was set at a wholesale Nursery that specialises in this Genus amongst others in Monbulk Victoria. Plants of the candidate and plants of the comparator were generated by cuttings and potted eventually into 200mm pots in a pine bark mix that contained slow release fertiliser. Watering and disease management were maintained as part of a commercial Nursery enterprise. Examination took place when the first available flowers presented on the candidate on two year old plants.	
<b>Trial Design</b>	10 plants of each variety were randomly selected from a larger population and arranged into varietal blocks.	
<b>Measurements</b>	Measurements were taken at random by both myself as QP and an examiner from the PBR office.	
<b>RHS Chart - edition</b>	2015	
<b>Origin and Breeding</b>		
Controlled pollination: Pollen from 'doltsoa' placed onto flowers of 'Scented Pearl' (maternal parent) in Spring 2007. The seed was harvested in Autumn 2008 and sown in Spring 2008. First observations were made in Spring 2010 of approximately 150 seedlings. MXWPCN was selected Spring 2010. All work was carried out by, or under the supervision of Leo Koelewyn at a nursery on Victoria Avenue, Monbulk, Victoria. Breeder: Leo Koelewyn, Coolwyn Nurseries Pty Ltd, Monbulk, VIC.		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Plant	seasonalty	evergreen
Plant	type	tree
Flower	main colour	white
Flower	diameter	small to medium
Leaf	main colour of upper side	dark green

<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>					
<b>Name</b>		<b>Comments</b>			
'Scented Pearl'		maternal parent			
<b>Varieties of Common Knowledge identified and subsequently excluded</b>					
<b>Variety</b>	<b>Distinguishing Characteristics Organ/Plant Part Context</b>		<b>State of Expression in Candidate Variety</b>	<b>State of Expression in Comparator Variety</b>	<b>Comments</b>
'MicJur05'	flower	diameter	small to medium	large	

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

<b>Organ/Plant Part: Context</b>	<b>'MXWPCN'</b>	<b>'Scented Pearl'</b>
<input type="checkbox"/> Plant: seasonality	evergreen	evergreen
<input type="checkbox"/> Plant: type	tree	tree
<input type="checkbox"/> Plant: growth habit	upright	upright
<input checked="" type="checkbox"/> Leaf: length of blade	short to medium	very short to short
<input checked="" type="checkbox"/> Leaf: width of blade	narrow to medium	very narrow to narrow
<input type="checkbox"/> Leaf: main colour upper side	dark green	dark green
<input type="checkbox"/> Leaf: main colour lower side	medium green	medium green
<input type="checkbox"/> Flower: diameter	small to medium	
<input type="checkbox"/> Flower: main colour	white	
<input type="checkbox"/> Flower: shape (lateral view)	cup	
<input type="checkbox"/> Petal: length	medium	
<input type="checkbox"/> Petal: width	medium	
<input type="checkbox"/> Petal: width in relation to length	very small (1/3) to small (1/2)	
<input type="checkbox"/> Petal: main colour mid zone upper side (RHS colour chart)	NN155B	
<input type="checkbox"/> Petal: main colour mid zone lower side (RHS colour chart)	NN155B	
<input type="checkbox"/> Petal: main colour margin upper side (RHS colour chart)	NN155B	
<input type="checkbox"/> Petal: main colour margin lower side (RHS colour chart)	NN155B	
<input type="checkbox"/> Filament: colour	yellow	
<input type="checkbox"/> Flower: number of petals	few to medium	
<input checked="" type="checkbox"/> Time of: beginning of flowering	early	medium to late

<b>Characteristics Additional to the Descriptor/TG</b>		
<b>Organ/Plant Part: Context</b>	<b>'MXWPCN'</b>	<b>'Scented Pearl'</b>
<input type="checkbox"/> Style: colour	green	
<input type="checkbox"/> Anther: colour	red purple	
<input checked="" type="checkbox"/> Leaf: brownish hairs on under side	weak	medium to strong
<input checked="" type="checkbox"/> Leaf: shape of blade	elliptic	oblanceolate
<input type="checkbox"/> Flower: bud colour	bronze	
<input checked="" type="checkbox"/> Leaf: glossiness of upper side	medium	weak
<input type="checkbox"/> Flower bud: size	small	
<input type="checkbox"/> Petal: shape	lanceolate	
<input checked="" type="checkbox"/> Plant: height	medium	small

**Prior Applications and Sales:**

Nil

Description: **Christopher Prescott**, Prescott Roses Pty Ltd, Berwick, VIC.

<b>Details of Application</b>	
<b>Application Number</b>	2014/321
<b>Variety Name</b>	'Moncante'
<b>Genus Species</b>	<i>Prunus persica</i> var <i>nucipersica</i>
<b>Common Name</b>	Nectarine
<b>Synonym</b>	Nil
<b>Accepted Date</b>	13 Jan 2015
<b>Applicant</b>	Rene Monteux-Caillet, Les Coustières de Malacercis, MOURIES, 13890, France
<b>Agent</b>	Australian Nurseryman's Fruit Improvement Company Ltd (ANFIC), KALLANGUR, QLD 4503
<b>Qualified Person</b>	Dr Gavin Porter

<b>Details of Comparative Trial</b>	
<b>Overseas Testing Authority</b>	GEVES, France
<b>Overseas Data Reference Number</b>	DEE 4067293
<b>Location</b>	INRA Avignon, France
<b>Descriptor</b>	TG53/6
<b>Period</b>	2009 - 2012

**Origin and Breeding**

Controlled pollination: 'Moncante' was selected from a population of seedlings derived from crossing Monsur x cultivar 92.26 in Mr Monteux-Caillet orchard, France, in 1999. 'Moncante' is a very good looking yellow flesh nectarine, with high eating qualities and good flavours, on a tree with high level of productivity. Maturity of 'Moncante' is well timed regarding other commercial varieties from Mr Monteux-Caillet breeding program, with the addition of good look and eating qualities characteristics.

**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	pubescence	absent
Fruit	ground colour of flesh	yellow

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

Name	Comments
'Dorafine'	
'Dorabelle'	
'Diamond Ray'	

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

Organ/Plant Part: Context	'Moncante'	'Dorafine'	'Dorabelle'	'Diamond Ray'
<input type="checkbox"/> *Tree: size	large to very large			

<input type="checkbox"/>	Tree: vigour	medium to strong			
<input type="checkbox"/>	*Tree: habit	semi-upright			
<input type="checkbox"/>	Flowering shoot: thickness	thick			
<input type="checkbox"/>	Flowering shoot: length of internodes	medium			
<input type="checkbox"/>	*Flowering shoot: anthocyanin colouration	present			
<input type="checkbox"/>	*Flowering shoot: intensity of anthocyanin colouration	medium			
<input type="checkbox"/>	*Flowering shoot: density of flower buds	medium			
<input type="checkbox"/>	Flowering shoot: general distribution of flower buds	in groups of two or more			
<input checked="" type="checkbox"/>	*Flower: type	non showy	showy	showy	showy
<input type="checkbox"/>	*Calyx: colour of inner side	orange			
<input type="checkbox"/>	*Corolla: predominant colour	dark pink			
<input type="checkbox"/>	*Petal: shape	narrow elliptic			
<input type="checkbox"/>	*Petal: size	very small			
<input type="checkbox"/>	*Petals: number	five			
<input type="checkbox"/>	Stamens: position	same level			
<input type="checkbox"/>	*Stigma: position	same level			
<input type="checkbox"/>	*Anthers: pollen	present			
<input type="checkbox"/>	*Ovary: pubescence	absent			
<input type="checkbox"/>	Young shoot: length of stipule	medium			
<input type="checkbox"/>	*Leaf blade: length	medium			
<input type="checkbox"/>	*Leaf blade: width	narrow			
<input type="checkbox"/>	*Leaf blade: ratio	medium			
<input type="checkbox"/>	Leaf blade: shape in cross section	flat			
<input type="checkbox"/>	Leaf blade: recurvature of apex	present			
<input type="checkbox"/>	Leaf blade: angle at base	approximately right angle			
<input type="checkbox"/>	Leaf blade: angle at apex	large			
<input type="checkbox"/>	Leaf blade: colour	green			
<input type="checkbox"/>	Petiole: length	short			
<input type="checkbox"/>	*Petiole: nectaries	present			
<input type="checkbox"/>	*Petiole: shape of nectaries	reniform			

<input type="checkbox"/>	Petiole: predominant number of nectaries	more than two			
<input checked="" type="checkbox"/>	*Fruit: size	medium	small		
<input type="checkbox"/>	*Fruit: shape	round			
<input type="checkbox"/>	*Fruit: shape of pistil end	weakly depressed			
<input type="checkbox"/>	Fruit: symmetry	symmetric			
<input type="checkbox"/>	Fruit: prominence of suture	weak			
<input type="checkbox"/>	Fruit: depth of stalk cavity	medium			
<input type="checkbox"/>	Fruit: width of stalk cavity	medium			
<input type="checkbox"/>	*Fruit: ground colour	yellow			
<input type="checkbox"/>	Fruit: over colour	present			
<input type="checkbox"/>	Fruit: hue of over colour	dark red			
<input type="checkbox"/>	*Fruit: pattern of over colour	mottled			
<input type="checkbox"/>	*Fruit: extent of over colour	very large			
<input type="checkbox"/>	*Fruit: pubescence	absent	absent	absent	absent
<input type="checkbox"/>	Fruit: thickness of skin	thin			
<input type="checkbox"/>	Fruit: adherence of skin to flesh	medium			
<input type="checkbox"/>	*Fruit: firmness of flesh	firm			
<input type="checkbox"/>	*Fruit: ground colour of flesh	yellow	yellow	yellow	yellow
<input type="checkbox"/>	*Fruit: anthocyanin colouration directly under skin	weakly expressed			
<input type="checkbox"/>	*Fruit: anthocyanin colouration of flesh	absent or very weakly expressed			
<input type="checkbox"/>	*Fruit: anthocyanin colouration around stone	strongly expressed			
<input type="checkbox"/>	Fruit: texture of the flesh	not fibrous			
<input type="checkbox"/>	Fruit: sweetness	high			
<input type="checkbox"/>	Fruit: acidity	low			
<input type="checkbox"/>	*Stone: size compared to fruit	large			
<input type="checkbox"/>	*Stone: shape	obovate			
<input type="checkbox"/>	Stone: intensity of brown colour	dark			
<input type="checkbox"/>	Stone: relief of surface	pits and grooves			
<input type="checkbox"/>	Stone: tendency of splitting	absent or very low			

<input checked="" type="checkbox"/> *Stone: adherence to flesh	absent	present	present	-
<input type="checkbox"/> Time of: leaf bud burst	early			
<input type="checkbox"/> *Time of: beginning of flowering	medium			
<input type="checkbox"/> *Duration of: flowering	long			
<input type="checkbox"/> *Time of: maturity	medium			
<input type="checkbox"/> Tendency to: preharvest drop	very weak to weak			

**Prior Applications and Sales:**

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
EU	2009	Granted	'Moncante'

First sold in France in Dec 2008

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

<b>Details of Application</b>	
<b>Application Number</b>	2016/166
<b>Variety Name</b>	'ZMW-019'
<b>Genus Species</b>	<i>Zoysia macrantha</i>
<b>Common Name</b>	Prickly Couch
<b>Accepted Date</b>	28 Jul 2016
<b>Applicant</b>	GeneGro Pty Ltd, Alexandra Hills, QLD
<b>Qualified Person</b>	Dr Donald S. Loch
<b>Details of Comparative Trial</b>	
<b>Location</b>	Birkdale, QLD, Australia (Latitude 27°30'S, longitude 153°14'E, elevation 18 masl)
<b>Descriptor</b>	PBR ZOYS
<b>Period</b>	16 Dec 2016 – 19 May 2017
<b>Conditions</b>	Vegetative plugs established in 95 x 95 mm pots from Aug 2016; planted into a red volcanic (krasnozem or ferrosol) soil on 16 Dec 2016; 662 kg/ha of blended fertiliser (N:P:K:S = 15.1:4.4:11.5:13.6) applied at planting on 16 Dec 2016 to give 100 kg N, 29 kg P, 76 kg K, and 90 kg S per hectare; weed control by pendimethalin (Stomp 440) applied at planting on 16 Dec 2016; supplementary trickle irrigation applied as required to maintain unstressed growth.
<b>Trial Design</b>	30 plants of each of 4 <i>Zoysia macrantha</i> cultivars ('ZMW-019', 'ZMM-018', 'MAC03', 'LSA01') plus 2 additional <i>Zoysia japonica</i> cultivars not reported arranged in 6 randomised blocks with 5 plants per plot in a single row along a single trickle irrigation line; 1.0 m between plants, 1.5 m between rows.
<b>Measurements</b>	Observations of flowering behaviour ongoing throughout the trial. Maximum spread measured on 3 Apr 2017 (108 days after field planting) and plant height measured on 10 Apr 2017 (115 days after field planting). Stolon characteristics at 4th visible node and internode measured on 7-8 Apr 2017. Measurements on the 4th fully expanded leaf on vegetative tillers made on 19 May 2017. Fertile tiller characteristics (culms, flag and 4th leaves, stems, inflorescences) measured 19 May 2017. One measurement per plant made for all attributes. Analyses of variance (ANOVAs) conducted with Genstat Release 12; differences significant at the 1% level quantified using Fisher's protected LSDs.
<b>RHS Chart - edition</b>	2007 (5th edition)
<b>Origin and Breeding</b>	
Clonal selection: 'ZMW-019' was selected from a breeding population of c. 130 <i>Zoysia macrantha</i> subsp. <i>walshii</i> seedling plants assembled from 45 collection sites from South Australia, Victoria and Tasmania in 2002-05. The original plants were vegetatively propagated and evaluated first in pots. Four promising genotypes at the finer-textured end of the range and showing good turf density were identified, originating from sites in South Australia and Tasmania. These were short-listed for	

further study under mowing at Cleveland (QLD), and later at Sheldon, Alexandra Hills and Gleneagle (QLD), which confirmed their low mowing requirements when evaluated with a range of *Zoysia japonica* and *Z. matrella* cultivars and experimental lines and compared against *Cynodon* spp., *Digitaria didactyla* and other warm-season turfgrass standards. 'ZMW-019' was selected for release on the basis of its bright mid-to dark-green turf colour, its fine to medium-fine turf texture, and its high turf quality and density under mowing as shown consistently throughout the 10-year trial period. 'ZMW-019' differs from other *Z. macrantha* subsp. *walshii* genotypes in terms of their variable leaf colour (usually paler green), medium-fine to coarse turf texture, lower tiller density, and often shorter stiffer leaves. Breeder: Dr Donald S. Loch (GeneGro Pty Ltd, Alexandra Hills, 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
Leaf	leaf blade presence of hairs upper side	absent

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

Name	Comments
'MAC03'	application no. 2007/275; granted 16 Dec 2008
'LSA01'	application no. 2015/311; granted 29 Oct 2018
'ZMM-018'	another candidate <i>Zoysia macrantha</i> variety (application no. 2016/165)

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

Organ/Plant Part: Context	'ZMW-019'	'LSA01'	'MAC03'	'ZMM-018'
<input checked="" type="checkbox"/> Plant: height	medium to tall	medium to tall	medium to tall	very tall
<input checked="" type="checkbox"/> Plant: width	medium	broad	broad	very broad
<input checked="" type="checkbox"/> Plant: density	very dense	dense	dense	dense
<input type="checkbox"/> Stolon: nodes	compound	compound	compound	compound
<input type="checkbox"/> Stolon: number of subtending leaves (compound nodes only)	three	three	three	three
<input checked="" type="checkbox"/> Stolon: number of branches	very many	medium	many	medium
<input checked="" type="checkbox"/> Stolon: length of internode	short	long to very long	medium to long	long to very long
<input checked="" type="checkbox"/> Stolon: width of internode	narrow	broad to very broad	broad to very broad	medium
<input type="checkbox"/> Stolon: colour where exposed to the sun (RHS)	59A	59A	59A	59B(-C)
<input type="checkbox"/> Stolon: anthocyanin coloration of leaf sheath	weak	absent or very weak	weak	absent or very weak
<input checked="" type="checkbox"/> Stolon: length of outer leaf sheath	short to	long	long	medium

	medium			
<input type="checkbox"/> Stolon: hairiness of leaf sheath	absent	absent	absent	absent
<input checked="" type="checkbox"/> Culm: length	short	long to very long	medium to long	long
<input checked="" type="checkbox"/> Culm: width	narrow to medium	broad to very broad	broad to very broad	broad to very broad
<input type="checkbox"/> Culm: node pubescence	absent	absent	absent	absent
<input type="checkbox"/> Culm: stem pubescence	absent	absent	absent	absent
<input checked="" type="checkbox"/> Culm: flag leaf sheath length	short	medium to long	medium to long	medium to long
<input checked="" type="checkbox"/> Culm: flag leaf blade length	very short to short	medium	short to medium	medium
<input type="checkbox"/> Culm: flag leaf blade width	very narrow	very narrow	very narrow	very narrow
<input type="checkbox"/> Culm: flag leaf blade shape	linear triangular	linear triangular	linear triangular	linear triangular
<input checked="" type="checkbox"/> Culm: leaf sheath length (3rd leaf fertile tiller)	short	medium to long	medium	medium
<input checked="" type="checkbox"/> Culm: leaf blade length (3rd leaf fertile tiller)	short	medium to long	medium to long	medium to long
<input checked="" type="checkbox"/> Culm: leaf blade width (3rd leaf fertile tiller)	narrow	broad	medium to broad	medium to broad
<input checked="" type="checkbox"/> Culm: leaf sheath length (vegetative tiller)	short	medium to long	short	medium to long
<input checked="" type="checkbox"/> Culm: leaf blade length (vegetative tiller)	short	long	medium	very long
<input checked="" type="checkbox"/> Culm: leaf blade width (vegetative tiller)	narrow	broad	medium	medium
<input type="checkbox"/> Culm: leaf blade shape (vegetative tiller)	linear	linear	linear	linear
<input type="checkbox"/> Leaf: leaf blade shape of apex	narrow acute	narrow acute	narrow acute	narrow acute
<input type="checkbox"/> Leaf: colour (RHS)	137A	138A	137B	137B
<input type="checkbox"/> Leaf: leaf sheath presence of hairs	absent	absent	absent	absent
<input type="checkbox"/> Leaf: leaf blade presence of hairs upper side	absent	absent	absent	absent
<input type="checkbox"/> Leaf: leaf blade presence of hairs lower side	absent	absent	absent	absent
<input type="checkbox"/> Leaf: leaf blade margin	smooth	smooth	smooth	smooth
<input type="checkbox"/> Leaf: ligule	fringe of hairs	fringe of hairs	fringe of hairs	fringe of hairs

<input type="checkbox"/>	Leaf: density of ligule hairs	medium	medium	medium	medium
<input type="checkbox"/>	Leaf: length of ligule hairs	long	medium	medium	long
<input checked="" type="checkbox"/>	Peduncle: length	short	long to very long	medium to long	very long
<input checked="" type="checkbox"/>	Peduncle: width	narrow	medium	medium to broad	medium
<input checked="" type="checkbox"/>	Inflorescence: spikelet density	dense	sparse	medium	sparse to medium
<input checked="" type="checkbox"/>	Inflorescence: length	short	very long	long to very long	long
<input checked="" type="checkbox"/>	Inflorescence: number of spikelets	few	many	very many	many
<input type="checkbox"/>	Spikelet: stigma colour	white	white	white	white
<input type="checkbox"/>	Spikelet: presence of awn	absent	absent	absent	absent
<input checked="" type="checkbox"/>	Flower: time of flowering	Apr-Oct	Oct-Apr	Oct-Apr	Oct-Apr

#### Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'ZMW-019'	'LSA01'	'MAC03'	'ZMM-018'
<input type="checkbox"/> Leaf: leaf blade vernation	rolled	rolled	rolled	rolled

#### Statistical Table

Organ/Plant Part: Context	'ZMW-019'	'LSA01'	'MAC03'	'ZMM-018'
<input checked="" type="checkbox"/> Plant: maximum height of sward 115 days after planting (mm)				
Mean	203.67	205.00	180.67	300.95
Std. Deviation	23.11	49.53	51.26	47.00
Lsd/sig	54.70	ns	ns	P≤0.01
<input checked="" type="checkbox"/> Plant: maximum diameter of lateral spread 108 days after planting (cm)				
Mean	143.43	168.63	169.47	208.33
Std. Deviation	15.73	25.61	33.97	31.47
Lsd/sig	27.60	ns	ns	P≤0.01
<input checked="" type="checkbox"/> Stolon: total number of branches on nodes 2-6				
Mean	12.37	10.03	7.97	8.10
Std. Deviation	2.28	1.69	1.79	1.73
Lsd/sig	1.30	P≤0.01	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Stolon: length of internode #4 (mm)				
Mean	30.93	55.63	46.20	57.90
Std. Deviation	3.60	6.31	5.09	5.37
Lsd/sig	3.93	P≤0.01	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Stolon: diameter of internode #4 (mm)				
Mean	1.30	1.99	2.00	1.55
Std. Deviation	0.08	0.17	0.33	0.17

Lsd/sig	0.15	P≤0.01	P≤0.01	P≤0.01
☑ Stolons: length of outer leaf sheath at node #4 (mm)				
Mean	11.93	14.30	14.00	12.77
Std. Deviation	1.14	1.86	2.05	1.55
Lsd/sig	1.40	P≤0.01	P≤0.01	ns
☑ Vegetative tiller: length of sheath on 4th leaf (mm)				
Mean	31.27	40.37	30.87	42.43
Std. Deviation	6.36	5.70	5.21	6.94
Lsd/sig	7.00	P≤0.01	ns	P≤0.01
☑ Vegetative tiller: length of blade on 4th leaf (mm)				
Mean	85.83	145.50	119.77	175.33
Std. Deviation	14.99	30.12	19.79	18.86
Lsd/sig	20.00	P≤0.01	P≤0.01	P≤0.01
☑ Vegetative tiller: width of blade on 4th leaf (mm)				
Mean	1.80	3.75	3.36	3.38
Std. Deviation	0.21	0.47	0.45	0.34
Lsd/sig	0.29	P≤0.01	P≤0.01	P≤0.01
☑ Vegetative tiller: length:width ratio of blade on 4th leaf				
Mean	48.20	39.54	36.32	52.50
Std. Deviation	10.11	10.12	8.47	9.04
Lsd/sig	6.73	P≤0.01	P≤0.01	ns
☑ Fertile tiller: length (mm)				
Mean	169.83	252.70	201.07	220.00
Std. Deviation	24.36	28.59	21.86	32.70
Lsd/sig	29.80	P≤0.01	P≤0.01	P≤0.01
☑ Fertile tiller: length of internode #2 (mm)				
Mean	16.90	45.80	30.83	25.10
Std. Deviation	2.38	16.85	7.73	7.16
Lsd/sig	12.90	P≤0.01	P≤0.01	ns
☑ Fertile tiller: diameter of internode #2 (mm)				
Mean	0.58	1.00	0.93	0.97
Std. Deviation	0.09	0.12	0.12	0.12
Lsd/sig	0.11	P≤0.01	P≤0.01	P≤0.01
☑ Fertile tiller: length of sheath on flag leaf (mm)				
Mean	28.87	69.17	61.37	58.97
Std. Deviation	3.47	11.30	4.78	6.78
Lsd/sig	7.10	P≤0.01	P≤0.01	P≤0.01
☑ Fertile tiller: length of flag leaf blade (mm)				
Mean	3.07	14.07	10.17	13.37
Std. Deviation	1.62	7.74	6.15	9.20
Lsd/sig	5.30	P≤0.01	P≤0.01	P≤0.01
☑ Fertile tiller: length of sheath on 3rd leaf (mm)				

Mean	22.23	31.77	29.50	29.87
Std. Deviation	3.19	5.01	5.14	4.53
Lsd/sig	4.00	P≤0.01	P≤0.01	P≤0.01
☑ Fertile tiller: length of blade on 3rd leaf (mm)				
Mean	43.63	64.47	66.67	69.63
Std. Deviation	8.95	15.62	13.09	15.14
Lsd/sig	13.20	P≤0.01	P≤0.01	P≤0.01
☑ Fertile tiller: width of blade on 3rd leaf (mm)				
Mean	1.73	3.54	3.41	3.39
Std. Deviation	0.21	0.41	0.37	0.39
Lsd/sig	0.26	P≤0.01	P≤0.01	P≤0.01
☑ Fertile tiller: length:width ratio of blade on 3rd leaf				
Mean	25.56	18.35	19.70	20.71
Std. Deviation	5.67	4.67	4.23	4.64
Lsd/sig	4.20	P≤0.01	P≤0.01	P≤0.01
☑ Peduncle: length (mm)				
Mean	63.40	163.07	122.17	176.90
Std. Deviation	10.86	26.46	14.53	26.66
Lsd/sig	16.40	P≤0.01	P≤0.01	P≤0.01
☑ Peduncle: diameter (mm)				
Mean	0.59	0.80	0.83	0.78
Std. Deviation	0.07	0.10	0.09	0.08
Lsd/sig	0.18	P≤0.01	P≤0.01	P≤0.01
☑ Inflorescence: length (mm)				
Mean	19.67	47.37	46.20	44.07
Std. Deviation	1.75	4.28	2.85	3.60
Lsd/sig	3.40	P≤0.01	P≤0.01	P≤0.01
☑ Inflorescence: number of spikelets				
Mean	26.30	47.37	45.50	40.40
Std. Deviation	2.31	4.63	2.96	4.40
Lsd/sig	3.40	P≤0.01	P≤0.01	P≤0.01
☑ Inflorescence: number of spikelets/cm				
Mean	13.41	8.69	9.87	9.19
Std. Deviation	1.00	0.89	0.70	0.95
Lsd/sig	0.81	P≤0.01	P≤0.01	P≤0.01

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

Nil

Description: **D.S. Loch** (Alexandra Hills, QLD) & **C.M. Zorin** (Birkdale, QLD)

<b>Details of Application</b>	
<b>Application Number</b>	2016/165
<b>Variety Name</b>	'ZMM-018'
<b>Genus Species</b>	<i>Zoysia macrantha</i>
<b>Common Name</b>	Prickly Couch
<b>Accepted Date</b>	28 Jul 2016
<b>Applicant</b>	GeneGro Pty Ltd, Alexandra Hills, QLD
<b>Qualified Person</b>	Dr Donald S. Loch
<b>Details of Comparative Trial</b>	
<b>Location</b>	Birkdale, QLD, Australia (Latitude 27°30'S, longitude 153°14'E, elevation 18 masl)
<b>Descriptor</b>	PBR ZOYS
<b>Period</b>	16 Dec 2016 – 19 May 2017
<b>Conditions</b>	Vegetative plugs established in 95 x 95 mm pots from Aug 2016; planted into a red volcanic (krasnozem or ferrosol) soil on 16 Dec 2016; 662 kg/ha of blended fertiliser (N:P:K:S = 15.1:4.4:11.5:13.6) applied at planting on 16 Dec 2016 to give 100 kg N, 29 kg P, 76 kg K, and 90 kg S per hectare; weed control by pendimethalin (Stomp 440) applied at planting on 16 Dec 2016; supplementary trickle irrigation applied as required to maintain unstressed growth.
<b>Trial Design</b>	30 plants of each of 4 <i>Zoysia macrantha</i> cultivars ('ZMM-018', 'ZMW-019', 'MAC03', 'LSA01') plus 2 additional <i>Zoysia japonica</i> cultivars not reported arranged in 6 randomised blocks with 5 plants per plot in a single row along a single trickle irrigation line; 1.0 m between plants, 1.5 m between rows.
<b>Measurements</b>	Observations of flowering behaviour ongoing throughout the trial. Maximum spread measured on 3 Apr 2017 (108 days after field planting) and plant height measured on 10 Apr 2017 (115 days after field planting). Stolon characteristics at 4th visible node and internode measured on 7-8 Apr 2017. Measurements on the 4th fully expanded leaf on vegetative tillers made on 19 May 2017. Fertile tiller characteristics (culms, flag and 4th leaves, stems, inflorescences) measured 19 May 2017. One measurement per plant made for all attributes. Analyses of variance (ANOVAs) conducted with Genstat Release 12; differences significant at the 1% level quantified using Fisher's protected LSDs.
<b>RHS Chart - edition</b>	2007 (5th edition)
<b>Origin and Breeding</b>	
Clonal selection: 'ZMM-018' was selected from a breeding population of c. 100 <i>Zoysia macrantha</i> subsp. <i>macrantha</i> seedling plants assembled from 36 collection sites from central Queensland through to Melbourne (VIC) in 2002-05. The original plants were vegetatively propagated and evaluated first in pots. Promising medium-fine textured genotypes were identified, originating from a site in northern NSW and additional plants from that general area added to the breeding collection. From this,	

'ZMM-018' was selected based on its turf quality and density together with low thatch development, its medium- textured turf with long, soft leaves, and its attractive blue green colour. Field plantings at Sheldon and Cleveland (QLD) confirmed its low mowing requirements when evaluated with a range of exotic *Zoysia japonica* and *Z. matrella* cultivars and experimental lines and compared against *Cynodon* spp., *Digitaria didactyla* and other warm-season turfgrass standards. 'ZMM-018' was selected for release on the basis of its attractive blue-green turf colour, its soft leaves, its low thatch development, and its turf quality and density under mowing together with its low mowing requirement as shown consistently throughout the 10-year trial period. Its drought tolerance and recovery relative to exotic *Zoysia* spp. at Alexandra Hills (QLD) has also been outstanding. 'ZMM-018' differs from other *Z. macrantha* subsp. *macrantha* genotypes in terms of their variable leaf colour (usually paler blue-green), medium to coarse turf texture, lower tiller density, and their stiffer, less pliable leaves. Breeder: Dr Donald S. Loch

**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	leaf blade presence of hairs upper side	absent

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

Name	Comments
'MAC03'	application no. 2007/275; granted 16 Dec 2008
'LSA01'	application no. 2015/311; granted 29 Oct 2018
'ZMW-019'	another candidate <i>Zoysia macrantha</i> variety (application no. 2016/166)

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

Organ/Plant Part: Context	'ZMM-018'	'LSA01'	'MAC03'	'ZMW-019'
<input checked="" type="checkbox"/> Plant: height	very tall	medium to tall	medium to tall	medium to tall
<input checked="" type="checkbox"/> Plant: width	very broad	broad	broad	medium
<input checked="" type="checkbox"/> Plant: density	dense	dense	dense	very dense
<input type="checkbox"/> Stolon: nodes	compound	compound	compound	compound
<input type="checkbox"/> Stolon: number of subtending leaves (compound nodes only)	three	three	three	three
<input checked="" type="checkbox"/> Stolon: number of branches	medium	medium	many	very many
<input checked="" type="checkbox"/> Stolon: length of internode	long to very long	long to very long	medium to long	short
<input checked="" type="checkbox"/> Stolon: width of internode	medium	broad to very broad	broad to very broad	narrow
<input type="checkbox"/> Stolon: colour where exposed to the sun (RHS)	59B(-C)	59A	59A	59A

<input checked="" type="checkbox"/>	Stolon: anthocyanin coloration of leaf sheath	absent or very weak	absent or very weak	weak	weak
<input type="checkbox"/>	Stolon: length of outer leaf sheath	medium	long	long	short to medium
<input type="checkbox"/>	Stolon: hairiness of leaf sheath	absent	absent	absent	absent
<input checked="" type="checkbox"/>	Culm: length	long	long to very long	medium to long	short
<input checked="" type="checkbox"/>	Culm: width	broad to very broad	broad to very broad	broad to very broad	narrow to medium
<input type="checkbox"/>	Culm: node pubescence	absent	absent	absent	absent
<input type="checkbox"/>	Culm: stem pubescence	absent	absent	absent	absent
<input checked="" type="checkbox"/>	Culm: flag leaf sheath length	medium to long	medium to long	medium to long	short
<input checked="" type="checkbox"/>	Culm: flag leaf blade length	medium	medium	short to medium	very short to short
<input type="checkbox"/>	Culm: flag leaf blade width	very narrow	very narrow	very narrow	very narrow
<input type="checkbox"/>	Culm: flag leaf blade shape	linear triangular	linear triangular	linear triangular	linear triangular
<input checked="" type="checkbox"/>	Culm: leaf sheath length (3rd leaf fertile tiller)	medium	medium to long	medium	short
<input checked="" type="checkbox"/>	Culm: leaf blade length (3rd leaf fertile tiller)	medium to long	medium to long	medium to long	short
<input checked="" type="checkbox"/>	Culm: leaf blade width (3rd leaf fertile tiller)	medium to broad	broad	medium to broad	narrow
<input checked="" type="checkbox"/>	Culm: leaf sheath length (vegetative tiller)	medium to long	medium to long	short	short
<input checked="" type="checkbox"/>	Culm: leaf blade length (vegetative tiller)	very long	long	medium	short
<input checked="" type="checkbox"/>	Culm: leaf blade width (vegetative tiller)	medium	broad	medium	narrow
<input type="checkbox"/>	Culm: leaf blade shape (vegetative tiller)	linear	linear	linear	linear
<input type="checkbox"/>	Leaf: leaf blade shape of apex	narrow acute	narrow acute	narrow acute	narrow acute
<input type="checkbox"/>	Leaf: colour (RHS)	137B	138A	137B	137A
<input type="checkbox"/>	Leaf: leaf sheath presence of hairs	absent	absent	absent	absent
<input type="checkbox"/>	Leaf: leaf blade presence of hairs upper side	absent	absent	absent	absent
<input type="checkbox"/>	Leaf: leaf blade presence of hairs	absent	absent	absent	absent

lower side				
<input type="checkbox"/> Leaf: leaf blade margin	smooth	smooth	smooth	smooth
<input type="checkbox"/> Leaf: ligule	fringe of hairs	fringe of hairs	fringe of hairs	fringe of hairs
<input type="checkbox"/> Leaf: density of ligule hairs	medium	medium	medium	medium
<input type="checkbox"/> Leaf: length of ligule hairs	long	medium	medium	long
<input checked="" type="checkbox"/> Peduncle: length	very long	long to very long	medium to long	short
<input checked="" type="checkbox"/> Peduncle: width	medium	medium	medium to broad	narrow
<input checked="" type="checkbox"/> Inflorescence: spikelet density	sparse to medium	sparse	medium	dense
<input checked="" type="checkbox"/> Inflorescence: length	long	very long	long to very long	short
<input checked="" type="checkbox"/> Inflorescence: number of spikelets	many	many	very many	few
<input type="checkbox"/> Spikelet: stigma colour	white	white	white	white
<input type="checkbox"/> Spikelet: presence of awn	absent	absent	absent	absent
<input checked="" type="checkbox"/> Flower: time of flowering	Oct-Apr	Oct-Apr	Oct-Apr	Apr-Oct

### Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'ZMM-018'	'LSA01'	'MAC03'	'ZMW-019'
<input type="checkbox"/> Leaf: leaf blade vernation	rolled	rolled	rolled	rolled

### Statistical Table

Organ/Plant Part: Context	'ZMM-018'	'LSA01'	'MAC03'	'ZMW-019'
<input checked="" type="checkbox"/> Plant: maximum height of sward 115 days after planting (mm)				
Mean	300.95	205.00	180.67	203.67
Std. Deviation	47.00	49.53	51.26	23.11
Lsd/sig	54.70	P≤0.01	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Plant: maximum diameter of lateral spread 108 days after planting (cm)				
Mean	208.33	168.63	169.47	143.43
Std. Deviation	31.47	25.61	33.97	15.73
Lsd/sig	27.60	P≤0.01	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Stolon: total number of branches on nodes 2-6				
Mean	8.10	10.03	7.97	12.37
Std. Deviation	1.73	1.69	1.79	2.28
Lsd/sig	1.30	P≤0.01	ns	P≤0.01
<input checked="" type="checkbox"/> Stolon: length of internode #4 (mm)				
Mean	57.90	55.63	46.20	30.93
Std. Deviation	5.37	6.31	5.09	3.60
Lsd/sig	3.93	ns	P≤0.01	P≤0.01

☑ Stolon: diameter of internode #4(mm)				
Mean	1.55	1.99	2.00	1.30
Std. Deviation	0.17	0.17	0.33	0.08
Lsd/sig	0.15	P≤0.01	P≤0.01	P≤0.01
☑ Stolon: length of outer leaf sheath at node #4 (mm)				
Mean	12.77	14.30	14.00	11.93
Std. Deviation	1.55	1.86	2.05	1.14
Lsd/sig	1.40	P≤0.01	ns	ns
☑ Vegetative tiller: length of sheath on 4th leaf (mm)				
Mean	42.43	40.37	30.87	31.27
Std. Deviation	6.94	5.70	5.21	6.36
Lsd/sig	7.00	ns	P≤0.01	P≤0.01
☑ Vegetative tiller: length of blade on 4th leaf (mm)				
Mean	175.33	145.50	119.77	85.83
Std. Deviation	18.86	30.12	19.79	14.99
Lsd/sig	20.00	P≤0.01	P≤0.01	P≤0.01
☑ Vegetative tiller: width of blade on 4th leaf (mm)				
Mean	3.38	3.75	3.36	1.80
Std. Deviation	0.34	0.47	0.45	0.21
Lsd/sig	0.29	P≤0.01	ns	P≤0.01
☑ Vegetative tiller: length:width ratio of blade on 4th leaf				
Mean	52.50	39.54	36.32	48.20
Std. Deviation	9.04	10.12	8.47	10.11
Lsd/sig	6.73	P≤0.01	P≤0.01	ns
☑ Fertile tiller: length (mm)				
Mean	220.00	252.70	201.07	169.83
Std. Deviation	32.70	28.59	21.86	24.36
Lsd/sig	29.80	P≤0.01	ns	P≤0.01
☑ Fertile tiller: length of internode #2 (mm)				
Mean	25.10	45.80	30.83	16.90
Std. Deviation	7.16	16.85	7.73	2.38
Lsd/sig	12.90	P≤0.01	ns	ns
☑ Fertile tiller: diameter of internode #2 (mm)				
Mean	0.97	1.00	0.93	0.58
Std. Deviation	0.12	0.12	0.12	0.09
Lsd/sig	0.11	ns	ns	P≤0.01
☑ Fertile tiller: length of sheath on flag leaf (mm)				
Mean	58.97	69.17	61.37	28.87
Std. Deviation	6.78	11.30	4.78	3.47
Lsd/sig	7.10	P≤0.01	ns	P≤0.01
☑ Fertile tiller: length of flag leaf blade (mm)				
Mean	13.37	14.07	10.17	3.07

Std. Deviation	9.20	7.74	6.15	1.62
Lsd/sig	5.30	ns	ns	P≤0.01
☑ Fertile tiller: length of sheath on 3rd leaf (mm)				
Mean	29.87	31.77	29.50	22.23
Std. Deviation	4.53	5.01	5.14	3.19
Lsd/sig	4.00	ns	ns	P≤0.01
☑ Fertile tiller: length of blade on 3rd leaf (mm)				
Mean	69.63	64.47	66.67	43.63
Std. Deviation	15.14	15.62	13.09	8.95
Lsd/sig	13.20	ns	ns	P≤0.01
☑ Fertile tiller: width of blade on 3rd leaf (mm)				
Mean	3.39	3.54	3.41	1.73
Std. Deviation	0.39	0.41	0.37	0.21
Lsd/sig	0.26	ns	ns	P≤0.01
☑ Fertile tiller: length:width ratio of blade on 3rd leaf				
Mean	20.71	18.35	19.70	25.56
Std. Deviation	4.64	4.67	4.23	5.67
Lsd/sig	4.20	ns	ns	P≤0.01
☑ Peduncle: length (mm)				
Mean	176.90	163.07	122.17	63.40
Std. Deviation	26.66	26.46	14.53	10.86
Lsd/sig	16.40	ns	P≤0.01	P≤0.01
☑ Peduncle: diameter (mm)				
Mean	0.78	0.80	0.83	0.59
Std. Deviation	0.08	0.10	0.09	0.07
Lsd/sig	0.18	ns	ns	P≤0.01
☑ Inflorescence: length (mm)				
Mean	44.07	47.37	46.20	19.67
Std. Deviation	3.60	4.28	2.85	1.75
Lsd/sig	3.40	P≤0.01	ns	P≤0.01
☑ Inflorescence: number of spikelets				
Mean	40.40	41.03	45.50	26.30
Std. Deviation	4.40	4.63	2.96	2.31
Lsd/sig	3.40	ns	P≤0.01	P≤0.01
☑ Inflorescence: number of spikelets per cm				
Mean	9.19	8.69	9.87	13.41
Std. Deviation	0.95	0.89	0.87	2.31
Lsd/sig	0.81	ns	ns	P≤0.01

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

Nil

Description: **D.S. Loch** (Alexandra Hills, QLD) & **C.M. Zorin** (Birkdale, QLD)

<b>Details of Application</b>		
<b>Application Number</b>	2014/036	
<b>Variety Name</b>	'NR7'	
<b>Genus Species</b>	<i>Rubus idaeus</i>	
<b>Common Name</b>	Raspberry	
<b>Accepted Date</b>	11 Mar 2014	
<b>Applicant</b>	Pacific Berries LLC, Lynden, Washington, USA	
<b>Agent</b>	AJ Park, Sydney NSW	
<b>Qualified Person</b>	Jenny Gaudion	
<b>Details of Comparative Trial</b>		
<b>Overseas Testing Authority</b>	New Zealand Intellectual Property Office, Plant Variety Rights	
<b>Overseas Data Reference Number</b>	RAS030	
<b>Location</b>	Motueka Research Centre, Riwaka, New Zealand	
<b>Descriptor</b>	UPOV TG/43/7	
<b>Period</b>	2018-2019	
<b>Conditions</b>	Grown under outdoor conditions	
<b>Trial Design</b>	Plants of the candidate were observed alongside representative plants of comparator varieties.	
<b>Measurements</b>	As according UPOV test guideline	
<b>RHS Chart - edition</b>	N/A	
<b>Origin and Breeding</b>		
Controlled pollination: The controlled cross performed to produce the population from which NR7 was selected and was carried out at the Motueka Research Centre, Nelson, New Zealand in 1997. The resulting seed was sent to Lynden, Washington, USA in 1999, where it was germinated and planted out. 'NZH062' was selected from amongst a population of seedlings in the northern hemisphere summer of 2001, following further testing and evaluation the new variety was given the designation NR7.		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Plant	number of current season's cane	medium
Very young shoot	anthocyanin colouration of apex during rapid growth	present
Fruit	length/width ratio	small
Fruit	shape in lateral view	broad conical
Fruit	colour	medium red
Fruit	main bearing type	on previous year's cane in summer
Spines	presence	absent
Dormant cane	colour	greyish brown
Plant	time of beginning of fruit ripening on previous year's cane	early to medium

<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>	
<b>Name</b>	<b>Comments</b>
'Motueka'	

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

<b>Organ/Plant Part: Context</b>	<b>'NR7'</b>	<b>'Motueka'</b>
<input type="checkbox"/> Plant: habit	upright	upright
<input type="checkbox"/> *Plant: number of current season's canes	medium	medium
<input type="checkbox"/> *Very young shoot: anthocyanin colouration of apex during rapid growth	present	present
<input type="checkbox"/> *Very young shoot: intensity of anthocyanin colouration of apex during rapid growth	medium	
<input type="checkbox"/> Current season's cane: bloom	absent or very weak	
<input type="checkbox"/> Current season's cane: anthocyanin colouration	weak	
<input type="checkbox"/> Current season's cane: length of internode	short	
<input type="checkbox"/> Current season's cane: length of vegetative bud	medium to long	
<input checked="" type="checkbox"/> *Dormant cane: length (varieties which fruit on previous season's cane in summer)	short	medium to long
<input type="checkbox"/> *Dormant cane: colour (varieties which fruit on previous season's cane in summer)	greyish brown	greyish brown
<input type="checkbox"/> *Spines: presence	absent	absent
<input type="checkbox"/> *Leaf: green colour of upper side	medium	medium
<input type="checkbox"/> *Leaf: predominant number of leaflets	three	
<input type="checkbox"/> Leaf: profile of leaflets in cross section	concave	
<input type="checkbox"/> *Leaf: rugosity	weak to medium	
<input type="checkbox"/> Leaf: relative position of lateral leaflets	touching	
<input type="checkbox"/> Terminal leaflet: length	long	
<input type="checkbox"/> Terminal leaflet: width	broad	
<input type="checkbox"/> Pedicel: number of spines	absent or very few	
<input type="checkbox"/> *Peduncle: presence of anthocyanin colouration	present	
<input type="checkbox"/> *Peduncle: intensity of anthocyanin colouration	very weak	
<input type="checkbox"/> Flower: size	medium to large	
<input type="checkbox"/> Fruiting lateral: attitude (varieties which fruit on previous year's cane in summer)	horizontal to drooping	
<input type="checkbox"/> *Fruiting lateral: length (varieties which fruit on previous	medium	

year's cane in summer)		
<input type="checkbox"/> *Fruit: length	medium	
<input type="checkbox"/> *Fruit: width	broad	
<input type="checkbox"/> *Fruit: ratio length/width	small	small
<input type="checkbox"/> *Fruit: general shape in lateral view	broad conical	broad conical
<input checked="" type="checkbox"/> Fruit: size of single drupe	large	medium
<input type="checkbox"/> *Fruit: colour	medium red	medium red
<input type="checkbox"/> Fruit: glossiness	medium	
<input type="checkbox"/> *Fruit: firmness	medium	
<input type="checkbox"/> Fruit: adherence to plug	medium	
<input type="checkbox"/> *Fruit: main bearing type	only on previous year's cane in summer	only on previous year's cane in summer
<input type="checkbox"/> *Plant: time of vegetative bud burst (varieties which fruit on previous year's cane in summer)	early to medium	
<input type="checkbox"/> *Time of: beginning of flowering on previous year's cane (varieties which fruit on previous year's cane in summer)	medium	early to medium
<input type="checkbox"/> *Time of: beginning of fruit ripening on previous year's cane (varieties which fruit of previous year's cane in summer)	medium	
<input type="checkbox"/> Length of: fruiting period on previous year's cane (varieties which fruit on previous year's cane in summer)	medium to long	

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

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
Canada	2011	Granted	'NR7'
EU	2012	Granted	'NR7'
Japan	2015	Applied	'NR7'
New Zealand	2014	Granted	'NR7'
Switzerland	2014	Granted	'NR7'
USA	2010	Granted	'NR7'

First sold in the USA in January 2012 and in Australia in March 2013 under the name 'NR7'

Description: **Jenny Gaudion**, Motueka, New Zealand.

<b>Details of Application</b>		
<b>Application Number</b>	2018/303	
<b>Variety Name</b>	'OVATION'	
<b>Genus Species</b>	<i>Rubus idaeus</i>	
<b>Common Name</b>	Raspberry	
<b>Accepted Date</b>	26 Nov 2018	
<b>Applicant</b>	PLANT SCIENCES, Inc., Watsonville, California, USA	
<b>Agent</b>	Red Jewel Fruit Management Pty. Ltd., Armidale, NSW 2350	
<b>Qualified Person</b>	Elise Pike	
<b>Details of Comparative Trial</b>		
<b>Overseas Testing Authority</b>	United States Patent and Trademark Office (USPTO)	
<b>Overseas Data Reference Number</b>	PP27,585	
<b>Location</b>	Overseas data was verified in Red Jewel Research Farm, Wamuran, QLD	
<b>Descriptor</b>	Raspberry TG/43/7	
<b>Period</b>	2013-2019	
<b>Conditions</b>	This new variety was grown out in the field under standard raspberry production guidelines.	
<b>Trial Design</b>	Completely randomised design. Comparator data was extracted from the Australian published description of 'Grandeur' (Grant Number 2012/041)	
<b>Measurements</b>	Measurements and observations were taken from randomly selected plants	
<b>RHS Chart - edition</b>	RHS Colour Chart 5th Edition	
<b>Origin and Breeding</b>		
Controlled pollination: Seedling resulting from the controlled crossing of parent 'PS-3271' and 'Grandeur' and was asexually propagated. The new variety has remained true to type in successive generations. Assignees: Plant Sciences Inc. of Watsonville, California US.		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Plant	habit	upright
Fruit	main bearing type	both previous year's cane in Summer & current year's cane in Autumn
Fruit	colour	medium red
Spines	presence	present
Very young shoot	anthocyanin colouration of apex during rapid growth	present

<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>	
<b>Name</b>	<b>Comments</b>
'Grandeur'	

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

<b>Organ/Plant Part: Context</b>	<b>'OVATION'</b>	<b>'Grandeur'</b>
<input type="checkbox"/> Plant: habit	upright	upright
<input type="checkbox"/> *Plant: number of current season's canes	medium	medium
<input type="checkbox"/> *Very young shoot: anthocyanin colouration of apex during rapid growth	present	present
<input type="checkbox"/> *Very young shoot: intensity of anthocyanin colouration of apex during rapid growth	weak	weak
<input type="checkbox"/> Current season's cane: bloom	weak	absent or very weak
<input type="checkbox"/> Current season's cane: anthocyanin colouration	strong	medium
<input type="checkbox"/> Current season's cane: length of vegetative bud	short to medium	medium
<input type="checkbox"/> *Current season's cane: length (varieties which fruit on current season's cane in autumn)	long	long
<input type="checkbox"/> *Spines: presence	present	present
<input checked="" type="checkbox"/> *Spines: density (varieties with spines present only)	very sparse to sparse	medium
<input type="checkbox"/> Spines: size of base (varieties with spines present only)	very small to small	medium
<input type="checkbox"/> Spines: length (varieties with spines present only)	short	medium
<input type="checkbox"/> Spines: colour (varieties with spines present only)	purple	purple
<input type="checkbox"/> *Leaf: green colour of upper side	medium	medium
<input type="checkbox"/> *Leaf: predominant number of leaflets	equally three and five	three
<input type="checkbox"/> Leaf: profile of leaflets in cross section	concave	straight
<input checked="" type="checkbox"/> *Leaf: rugosity	medium	very strong
<input type="checkbox"/> Leaf: relative position of lateral leaflets	overlapping	
<input type="checkbox"/> Terminal leaflet: length	medium to long	medium to long
<input type="checkbox"/> Terminal leaflet: width	narrow to medium	medium
<input type="checkbox"/> Pedicel: number of spines	medium	many
<input type="checkbox"/> *Peduncle: presence of anthocyanin colouration	present	present
<input checked="" type="checkbox"/> *Peduncle: intensity of anthocyanin colouration	medium to strong	very weak
<input type="checkbox"/> Flower: size	large	large

<input type="checkbox"/> Fruiting lateral: attitude (varieties which fruit on previous year's cane in summer)	erect	semi-erect
<input type="checkbox"/> *Fruiting lateral: length (varieties which fruit on previous year's cane in summer)	medium to long	medium
<input type="checkbox"/> *Fruit: length	long	long
<input type="checkbox"/> *Fruit: width	broad	medium to broad
<input type="checkbox"/> *Fruit: ratio length/width	medium to large	medium to large
<input type="checkbox"/> *Fruit: general shape in lateral view	conical	conical
<input type="checkbox"/> Fruit: size of single drupe	medium	large
<input type="checkbox"/> *Fruit: colour	medium red	medium red
<input type="checkbox"/> Fruit: glossiness	medium	medium
<input type="checkbox"/> *Fruit: firmness	firm	very firm
<input type="checkbox"/> Fruit: adherence to plug	weak	weak
<input type="checkbox"/> *Fruit: main bearing type	both previous year's cone in summer & current year's cone in autumn	both previous year's cone in summer & current year's cone in autumn
<input type="checkbox"/> *Plant: time of vegetative bud burst (varieties which fruit on previous year's cane in summer)	medium	medium
<input type="checkbox"/> *Time of: cane emergence (varieties which fruit on current year's cane in autumn)	medium	early to medium
<input type="checkbox"/> *Time of: beginning of flowering on previous year's cane (varieties which fruit on previous year's cane in summer)	medium	medium
<input type="checkbox"/> *Time of: beginning of flowering on current season's cane (varieties which fruit on current year's cane in autumn)	medium	medium
<input type="checkbox"/> *Time of: beginning of fruit ripening on previous year's cane (varieties which fruit of previous year's cane in summer)	medium	medium
<input type="checkbox"/> *Time of: beginning of fruit ripening on current year's cane (varieties which fruit on current year's cane in autumn)	medium	medium
<input type="checkbox"/> Length of: fruiting period on previous year's cane (varieties which fruit on previous year's cane in summer)	long	medium
<input type="checkbox"/> Length of: fruiting period on current year's cane (varieties which fruit on current year's cane in autumn)	medium to long	medium

**Prior Applications and Sales:**

Country	Year	Status	Name Applied
EU	2015	Granted	'Ovation'
Israel	2018	Applied	'Ovation'

Mexico	2016	Granted	'Ovation'
Peru	2018	Applied	'Ovation'
USA	2014	granted	'Ovation'

First sold in the USA in January 2015.

Description: **Elise Pike**, Red Jewel Research Farm, Wamuran, QLD.

<b>Details of Application</b>		
<b>Application Number</b>	2019/039	
<b>Variety Name</b>	'Sano Verde Max SGS'	
<b>Genus Species</b>	<i>Brassica oleracea</i> var <i>italica</i>	
<b>Common Name</b>	Sprouting Broccoli	
<b>Synonym</b>	Nil	
<b>Accepted Date</b>	06 May 2019	
<b>Applicant</b>	Caudill Seed Company, Inc., Louisville, Kentucky, USA	
<b>Agent</b>	John Oates, Millingandi, NSW	
<b>Qualified Person</b>	John Oates	
<b>Details of Comparative Trial</b>		
<b>Overseas Testing Authority</b>	Plant variety Protection Office, Intellectual Property Division, Food Industry Affairs Bureau, Ministry of Agriculture, Forestry and Fisheries, Japan	
<b>Overseas Data Reference Number</b>	28707 (Registration No. 25600)	
<b>Location</b>	Unzen Sation, CSS, NAFRO, Unzen-shi, Nagasaki, Japan	
<b>Descriptor</b>	UPOV TG/151/4 and Broccoli Test Guideline in Japan (2012)	
<b>Period</b>	2015-2016	
<b>Measurements</b>	As per UPOV Technical Guidelines	
<b>RHS Chart - edition</b>		
<b>Origin and Breeding</b>		
<p>Controlled pollination: The female parent, 'Marathon' was pollinated, in isolation, using brush, by 'De Cicco OP' in the spring of 2005. In 2006, 10 plants from this hybridization (M x D) were planted, in isolation, with ten plants of the variety 'Late Purple Sprouting', brushing was used to conduct the pollination. Seed was harvested from the M x D plants and bulked. In spring 2007 approximately 100 plants of the cross {(MxD) x LPS} were grown under cages with bees; seed was harvested per plant and measured for weight and seed density; seed from the top 25% of plants were selected and bulked. This procedure was repeated a further two times. In 2009 seed from the remaining plants was bulked and designated the pre-breeder seed as 1632 In 2010 this seed was grown for field breeder increase in an isolated field in Central Valley, California; the crop was rogued for poor vigour and early/late maturity variation. The harvested seed was designated 'breeders seed' of 1632/40009 and subsequently named 'Sano Verde Max SGS'. The characters used in selecting the variety were self-compatibility; elevated levels of sulforaphane glucosinolate (SGS); Head: Loose with multiple side branches, Resistance: tolerance to Downy Mildew. Breeder: Caudill Seed Company Inc., Kentucky, USA</p>		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Head	colour	green

<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>	
<b>Name</b>	<b>Comments</b>
'DeCicco'	
'Stick Senhor'	
'Marathon'	

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

<b>Organ/Plant Part: Context</b>	<b>Sano Verde Max SGS</b>	<b>'DeCicco'</b>	<b>'Marathon'</b>	<b>'Stick Senhor'</b>
<input checked="" type="checkbox"/> *Plant: number of stems	one	more than one	more than one	more than one
<input type="checkbox"/> *Plant: height	medium			
<input type="checkbox"/> *Leaf: attitude	semi-erect			
<input type="checkbox"/> *Leaf: length	medium to long			
<input type="checkbox"/> Leaf: width	medium to broad			
<input type="checkbox"/> *Leaf: number of lobes	medium			
<input checked="" type="checkbox"/> *Leaf blade: colour	green		grey green	
<input type="checkbox"/> Leaf blade: intensity of colour	medium			
<input type="checkbox"/> Leaf blade: anthocyanin colouration	absent			
<input type="checkbox"/> Leaf blade: undulation of margin	weak			
<input type="checkbox"/> Leaf blade: dentation of margin	weak			
<input type="checkbox"/> Leaf blade: blistering	weak			
<input type="checkbox"/> Petiole: anthocyanin colouration	absent			
<input type="checkbox"/> Petiole: length	medium			
<input type="checkbox"/> Head: length of branching at base	short to medium			
<input type="checkbox"/> Head: size	small to medium			
<input type="checkbox"/> *Head: shape in longitudinal section	transverse broad elliptic			
<input type="checkbox"/> *Head: colour	green	green	green	green
<input type="checkbox"/> Head: intensity of	light			

colour				
<input type="checkbox"/> Head: anthocyanin colouration	present			
<input type="checkbox"/> Head: intensity of anthocyanin colouration	medium			
<input type="checkbox"/> Head: knobbling	fine			
<input type="checkbox"/> Head: texture	medium			
<input type="checkbox"/> Head: firmness	medium			
<input type="checkbox"/> Head: bracts	present			
<input type="checkbox"/> Plant: secondary heads	present			
<input type="checkbox"/> Plant: prominence of secondary heads	medium			
<input type="checkbox"/> Flower: colour	yellow			
<input type="checkbox"/> Flower: intensity of yellow colour	medium			
<input checked="" type="checkbox"/> *Time of: harvest maturity	medium			early
<input checked="" type="checkbox"/> Time of: beginning of flowering	late to very late	early to medium		

<b>Characteristics Additional to the Descriptor/TG</b>				
<b>Organ/Plant Part: Context</b>	<b>'Sano Verde Max SGS'</b>	<b>'DeCicco'</b>	<b>'Marathon'</b>	<b>'Stick Senhor'</b>
<input checked="" type="checkbox"/> Head: weight	very light to light	-	medium to heavy	-

**Prior Applications and Sales:**

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
Japan	2012	Granted	'Sanoverde Maxsgs'
USA	2013	Granted	'Sano Verde Max SGS'

First sold in Japan in July 2017.

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

<b>Details of Application</b>	
<b>Application Number</b>	2014/079
<b>Variety Name</b>	'Merced'
<b>Genus Species</b>	<i>Fragaria × ananassa</i>
<b>Common Name</b>	Strawberry
<b>Synonym</b>	Nil
<b>Accepted Date</b>	19 May 2014
<b>Applicant</b>	The Regents of the University of California, Oakland, California, USA
<b>Agent</b>	Eurofins Agrisearch, Shepparton, VIC
<b>Qualified Person</b>	Leslie Mitchell

#### **Details of Comparative Trial**

<b>Overseas Testing Authority</b>	DGAV –DVS/CPVO
<b>Overseas Data Reference Number</b>	90010
<b>Location</b>	Nece-Escaroupim, Portugal.
<b>Descriptor</b>	TG/22/10
<b>Period</b>	2014-2016
<b>Measurements</b>	As perTG/22/10
<b>RHS Chart - edition</b>	

#### **Origin and Breeding**

Controlled pollination: 'Merced' is the result of a cross performed in 2007 between two unreleased germplasm accessions, Cal 3.92-8 (unpatented) and Cal 2.95-4 (unpatented). Accession Cal 3.92-8 was chosen as a parent due to its high productivity, large, firm and high quality fruit and very high plant vigour. Accession Cal 2.95-4 was chosen as a parent due to its compact plant habit and firm flavourful fruit. 'Merced' was first fruited at an experimental orchard near Winters, CA, in 2008, where it was selected, originally designated Cal 7.132-3, and propagated asexually by runners. Following selection and during testing the plant of this selection was designated 'C229'. It was later designated 'Merced' for introduction into commerce and for international registration and recognition. Asexual propagules from this original source have been tested in facilities in Watsonville, CA, in Irvine CA, and to a limited extent in grower fields starting in 2009. The cultivar is stable and reproduces true to type in successive generations of asexual reproduction. Breeders: Douglas. V. Shaw and Kirk. D. Larsen, The Regents of the University of California.

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

<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Plant	growth habit	upright to semi-upright
Petal	colour of the upper side	white
Fruit	colour	dark red
Plant	type of bearing	not remontant

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

Organ/Plant Part: Context	'Merced'	'Camarosa'	'Sweet Charlie'	'Ventana'
<input type="checkbox"/> *Plant: growth habit	upright		semi-upright	
<input checked="" type="checkbox"/> Plant: density of foliage	medium			dense
<input checked="" type="checkbox"/> Plant: vigour	strong	medium		
<input type="checkbox"/> *Plant: position of inflorescence in relation to foliage	same level		above	
<input type="checkbox"/> *Plant: number of stolons	medium			
<input checked="" type="checkbox"/> Stolon: anthocyanin colouration	absent or very weak			medium
<input type="checkbox"/> Stolon: density of pubescence	sparse			
<input type="checkbox"/> Leaf: size	medium			
<input type="checkbox"/> Leaf: colour of upper side	blue green			
<input type="checkbox"/> *Leaf: blistering	medium			
<input type="checkbox"/> *Leaf: glossiness	medium			
<input type="checkbox"/> Leaf: variegation	absent			
<input type="checkbox"/> *Terminal leaflet: length in relation to width	moderately longer	much longer		
<input type="checkbox"/> *Terminal leaflet: shape of base	acute			
<input type="checkbox"/> Terminal leaflet: margin	crenate			
<input type="checkbox"/> Terminal leaflet: shape in cross section	concave			
<input type="checkbox"/> Petiole: length	medium			
<input type="checkbox"/> Petiole: attitude of hairs	slightly outwards			
<input type="checkbox"/> Stipule: anthocyanin colouration	strong			
<input type="checkbox"/> Inflorescence: number of flowers	medium			
<input type="checkbox"/> Pedicel: attitude of hairs	upwards			
<input checked="" type="checkbox"/> Flower: diameter	large		medium	
<input type="checkbox"/> *Flower: arrangement of petals	overlapping			
<input checked="" type="checkbox"/> *Flower: size of calyx in relation to corolla	smaller		same size	larger
<input type="checkbox"/> *Flower: stamen	present			
<input type="checkbox"/> Petal: length in relation to width	equal			
<input type="checkbox"/> *Petal: colour of upper side	white	white	white	white

<input checked="" type="checkbox"/>	*Fruit: length in relation to width	much longer		equal	
<input type="checkbox"/>	*Fruit: size	large			very large
<input checked="" type="checkbox"/>	*Fruit: shape	conical	obloid		
<input checked="" type="checkbox"/>	Fruit: difference in shape of terminal and other fruits	none or very slight	large		
<input type="checkbox"/>	*Fruit: colour	dark red	dark red	dark red	dark red
<input type="checkbox"/>	Fruit: evenness of colour	even or very slightly uneven			
<input type="checkbox"/>	Fruit: glossiness	medium			
<input type="checkbox"/>	Fruit: evenness of surface	even or very slightly uneven			
<input checked="" type="checkbox"/>	Fruit: width of band without achenes	narrow			absent or very narrow
<input type="checkbox"/>	*Fruit: position of achenes	below surface	level with surface		
<input type="checkbox"/>	Fruit: position of calyx attachment	level with fruit			raised
<input type="checkbox"/>	Fruit: attitude of sepals	outwards			
<input type="checkbox"/>	Fruit: diameter of calyx in relation to diameter of fruit	slightly larger			
<input type="checkbox"/>	Fruit: adherence of calyx	medium			
<input checked="" type="checkbox"/>	Fruit: firmness	firm		medium	medium
<input type="checkbox"/>	Fruit: colour of flesh (excluding core)	orange red			
<input type="checkbox"/>	Fruit: colour of core	medium red			
<input type="checkbox"/>	Fruit: cavity	medium			
<input type="checkbox"/>	*Time of: beginning of flowering	early			
<input type="checkbox"/>	Time of: beginning of fruit ripening	early			
<input type="checkbox"/>	*Type of: bearing	not remontant	not remontant	not remontant	not remontant

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

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
Argentina	2014	Granted	'Merced'
Brazil	2014	Applied	'Merced'
Canada	2013	Granted	'Merced'
Chile	2014	Granted	'Merced'
EU	2013	Granted	'Merced'
Morocco	2014	Applied	'Merced'
Mexico	2014	Granted	'Merced'
New Zealand	2014	Applied	'Merced'

Peru	2015	Granted	'Merced'
USA	2014	Applied	'Merced'
South Africa	2013	Applied	'Merced'
Turkey	2014	Granted	'Merced'

First sold in the USA in 2 May 2013.

Description: **Leslie Mitchell**, Shepparton, VIC

<b>Details of Application</b>		
<b>Application Number</b>	2018/245	
<b>Variety Name</b>	'Florida Beauty'	
<b>Genus Species</b>	<i>Fragaria × ananassa</i>	
<b>Common Name</b>	Strawberry	
<b>Synonym</b>	FL 12 121 5	
<b>Accepted Date</b>	17 Oct 2018	
<b>Applicant</b>	Florida Foundation Seed Producers, Inc., Marianna, Florida, USA	
<b>Agent</b>	Adrian M Trioli Patent and Trade Mark Attorney, 107 Simpson Street, East Melbourne, VIC	
<b>Qualified Person</b>	Elise Pike	
<b>Details of Comparative Trial</b>		
<b>Overseas Testing Authority</b>	United States Patent and Trademark Office (USPTO)	
<b>Overseas Data Reference Number</b>	US PP 30,385	
<b>Location</b>	Balm, Florida USA. Overseas data was verified in Wamuran, QLD, Australia	
<b>Descriptor</b>	Strawberry ( <i>Fragaria × ananassa</i> ) new TG/22/10	
<b>Period</b>	2012-2016, April - August 2019 in Australia	
<b>Conditions</b>	Asexual propagation by stolons and plants where then transplanted into the field and grown under standard production guidelines	
<b>Trial Design</b>	Completely randomised. 'Florida Beauty' was compared with 'Florida Radiance'.	
<b>Measurements</b>	Measurements and observations were taken from randomly selected plants in the fruiting field.	
<b>RHS Chart - edition</b>	N/A	
<b>Origin and Breeding</b>		
Controlled pollination: Seedlings resulting from controlled cross pollination. The seed parent was 'AU 2010-119' and the pollen parent was 'Florida Radiance'. Asexually propagated daughter plants were planted into raised beds in the fruiting field. Successive test plantings have confirmed the vegetative and fruit characteristics.		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Plant	vigour	weak to medium
Leaf	colour of upper side	medium green
Fruit	shape	conical
Fruit	colour	medium red

<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>	
<b>Name</b>	<b>Comments</b>
'Florida Radiance'	

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

<b>Organ/Plant Part: Context</b>	<b>'Florida Beauty'</b>	<b>'Florida Radiance'</b>
<input type="checkbox"/> *Plant: growth habit	semi-upright	spreading
<input type="checkbox"/> Plant: density of foliage	medium	sparse to medium
<input type="checkbox"/> Plant: vigour	weak to medium	weak to medium
<input type="checkbox"/> *Plant: position of inflorescence in relation to foliage	beneath	same level
<input type="checkbox"/> *Plant: number of stolons	medium	-
<input type="checkbox"/> Stolon: anthocyanin colouration	weak to medium	-
<input type="checkbox"/> Stolon: density of pubescence	sparse	-
<input type="checkbox"/> Leaf: size	medium	medium
<input type="checkbox"/> Leaf: colour of upper side	medium green	medium green
<input type="checkbox"/> *Leaf: glossiness	absent or weak	absent or weak
<input type="checkbox"/> Leaf: variegation	absent	absent
<input type="checkbox"/> *Terminal leaflet:: length in relation to width	much longer	much longer
<input type="checkbox"/> *Terminal leaflet: shape of base	acute	acute
<input type="checkbox"/> Terminal leaflet: margin	crenate	crenate
<input type="checkbox"/> Terminal leaflet: shape in cross section	concave	concave
<input type="checkbox"/> Petiole: length	short to medium	short
<input type="checkbox"/> Petiole: attitude of hairs	horizontal	horizontal
<input type="checkbox"/> Stipule: anthocyanin colouration	absent or very weak	absent or very weak
<input type="checkbox"/> Inflorescence: number of flowers	very few	very few
<input type="checkbox"/> Pedicel: attitude of hairs	upwards	upwards
<input type="checkbox"/> Flower: diameter	medium	medium
<input type="checkbox"/> *Flower: arrangement of petals	free	free
<input type="checkbox"/> *Flower: size of calyx in relation to corolla	larger	larger
<input type="checkbox"/> *Flower: stamen	present	present
<input checked="" type="checkbox"/> Petal: length in relation to width	equal	moderately longer
<input type="checkbox"/> *Petal: colour of upper side	white	white
<input type="checkbox"/> *Fruit: length in relation to width	moderately longer	much longer

<input type="checkbox"/>	*Fruit: size	medium	medium to large
<input type="checkbox"/>	*Fruit: shape	conical	conical
<input type="checkbox"/>	Fruit: difference in shape of terminal and other fruits	slight to moderate	-
<input type="checkbox"/>	*Fruit: colour	medium red	medium red
<input type="checkbox"/>	Fruit: evenness of colour	even or very slightly uneven	slightly uneven
<input type="checkbox"/>	Fruit: glossiness	medium	strong
<input type="checkbox"/>	Fruit: evenness of surface	even or very slightly uneven	even or very slightly uneven
<input checked="" type="checkbox"/>	Fruit: width of band without achenes	absent or very narrow	medium
<input type="checkbox"/>	*Fruit: position of achenes	below surface	below surface
<input checked="" type="checkbox"/>	Fruit: position of calyx attachment	raised	inserted
<input type="checkbox"/>	Fruit: attitude of sepals	downwards	outwards
<input type="checkbox"/>	Fruit: diameter of calyx in relation to diameter of fruit	slightly larger	slightly larger
<input checked="" type="checkbox"/>	Fruit: adherence of calyx	strong	medium
<input type="checkbox"/>	Fruit: firmness	medium	medium to firm
<input type="checkbox"/>	Fruit: colour of flesh (excluding core)	medium red	medium red
<input type="checkbox"/>	Fruit: colour of core	light red	light red
<input type="checkbox"/>	Fruit: cavity	absent or small	absent or small
<input type="checkbox"/>	*Time of: beginning of flowering	very early	early
<input type="checkbox"/>	Time of: beginning of fruit ripening	very early	early
<input type="checkbox"/>	*Type of: bearing	fully remontant	partially remontant

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

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
USA	2016	Granted	'Florida Beauty'
Mexico	2017	Applied	'Florida Beauty'
Canada	2018	Applied	'Florida Beauty'
EU	2018	Applied	'Florida Beauty'

First sold in the USA in September 2017

Description: **Elise Pike**, Ballandean, QLD.

<b>Details of Application</b>	
<b>Application Number</b>	2018/364
<b>Variety Name</b>	'MYAG-HB'
<b>Genus Species</b>	<i>Fragaria X ananassa</i>
<b>Coon Name</b>	Strawberry
<b>Synonym</b>	N/A
<b>Accepted Date</b>	20 Dec 2018
<b>Applicant</b>	Miyoshi & Co., Ltd. Tokyo, Japan.
<b>Agent</b>	Berry Sensation Pty Ltd, Notting Hill, VIC.
<b>Qualified Person</b>	Leslie Mitchell

**Details of Comparative Trial**

<b>Location</b>	Shady Creek, Victoria, Australia
<b>Descriptor</b>	TG/22/10 Rev
<b>Period</b>	January to May 2019
<b>Conditions</b>	Plants grown in strawberry grow bags in a glasshouse. Irrigated using conventional hydroponic methods. Crop protection treatments applied as required.
<b>Trial Design</b>	Completely randomised. 25 plants per treatment.
<b>Measurements</b>	All measurements conducted following guidelines in TG/22/10.
<b>RHS Chart - edition</b>	6th Edition 2017

**Origin and Breeding**

Controlled pollination: In Jan 2007 crosses were completed between the breeding line 'K84-102', owned by Miyoshi, and a mix of pollen from a range of non-proprietary breeding lines. Progeny were evaluated in 2009 and 2010 on the Myoshi & Co research facility located near Yamanshi, Japan. One line, coded 07-4-102, was selected for further evaluation because of its high yields of fragrant and uniquely coloured fruit. In April 2013 it was named MYAG-HB for commercialisation. The variety has been vegetatively reproduced through several generations and has consistently remained true to type. Breeder: Toshiaki Yaki, Miyoshi & Co., Ltd, Tokyo, Japan.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	habit	upright
Leaf	variegation	absent
Fruit	colour of core	white

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

Name	Comments
'MYAG-2AD'	

Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Albion'	Fruit	colour	light pink	red	
'Hatsukoinokahori'	Fruit	firmness	medium	very soft	

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

Organ/Plant Part: Context	'MYAG-HB'	'MYAG-2AD'
<input type="checkbox"/> *Plant: growth habit	upright	upright
<input type="checkbox"/> Plant: density of foliage	medium	medium to dense
<input checked="" type="checkbox"/> Plant: vigour	medium to strong	strong to very strong
<input type="checkbox"/> *Plant: position of inflorescence in relation to foliage	above	above
<input type="checkbox"/> *Plant: number of stolons	few to medium	few to medium
<input type="checkbox"/> Stolon: anthocyanin colouration	weak	weak
<input type="checkbox"/> Stolon: density of pubescence	sparse	sparse
<input type="checkbox"/> Leaf: size	very large	large to very large
<input type="checkbox"/> Leaf: colour of upper side	yellow green	medium green
<input checked="" type="checkbox"/> *Leaf: blistering	medium	absent or weak
<input checked="" type="checkbox"/> *Leaf: glossiness	medium	strong
<input type="checkbox"/> Leaf: variegation	absent	absent
<input type="checkbox"/> *Terminal leaflet:: length in relation to width	much longer	moderately longer
<input type="checkbox"/> *Terminal leaflet: shape of base	acute	obtuse
<input type="checkbox"/> Terminal leaflet: margin	serrate to crenate	serrate to crenate
<input type="checkbox"/> Terminal leaflet: shape in cross section	concave	concave
<input checked="" type="checkbox"/> Petiole: length	short	medium
<input type="checkbox"/> Petiole: attitude of hairs	slightly outwards	slightly outwards
<input checked="" type="checkbox"/> Stipule: anthocyanin colouration	medium	absent or very weak
<input type="checkbox"/> Inflorescence: number of flowers	many	many
<input type="checkbox"/> Pedicel: attitude of hairs	slightly outwards	slightly outwards
<input checked="" type="checkbox"/> Flower: diameter	small to medium	medium to large
<input type="checkbox"/> *Flower: arrangement of petals	overlapping	touching
<input type="checkbox"/> *Flower: size of calyx in relation to corolla	smaller	same size
<input type="checkbox"/> *Flower: stamen	present	present

<input type="checkbox"/>	Petal: length in relation to width	moderately shorter	moderately shorter
<input type="checkbox"/>	*Petal: colour of upper side	white	white
<input checked="" type="checkbox"/>	*Fruit: length in relation to width	moderately longer	much longer
<input type="checkbox"/>	*Fruit: size	large	medium to large
<input checked="" type="checkbox"/>	*Fruit: shape	reniform	conical
<input type="checkbox"/>	Fruit: difference in shape of terminal and other fruits	very slight to slight	slight to moderate
<input checked="" type="checkbox"/>	Fruit: colour	white	dark red
<input type="checkbox"/>	Fruit: evenness of colour	even or very slightly uneven	even or very slightly uneven
<input checked="" type="checkbox"/>	Fruit: glossiness	medium	strong
<input type="checkbox"/>	Fruit: evenness of surface	even or very slightly uneven	even or very slightly uneven
<input type="checkbox"/>	Fruit: width of band without achenes	absent or very narrow	absent or very narrow
<input type="checkbox"/>	*Fruit: position of achenes	below surface	below surface
<input type="checkbox"/>	Fruit: position of calyx attachment	level with fruit	level with fruit
<input type="checkbox"/>	Fruit: attitude of sepals	outwards	outwards
<input checked="" type="checkbox"/>	Fruit: diameter of calyx in relation to diameter of fruit	much smaller	same size
<input type="checkbox"/>	Fruit: adherence of calyx	strong	strong
<input type="checkbox"/>	Fruit: firmness	soft to medium	medium to firm
<input checked="" type="checkbox"/>	Fruit: colour of flesh (excluding core)	whitish	orange red
<input type="checkbox"/>	Fruit: colour of core	white	white
<input checked="" type="checkbox"/>	Fruit: cavity	absent or small	medium
<input type="checkbox"/>	*Time of: beginning of flowering	medium	medium
<input type="checkbox"/>	Time of: beginning of fruit ripening	medium	medium
<input type="checkbox"/>	*Type of: bearing	fully remontant	day neutral

<b>Statistical Table</b>		
<b>Organ/Plant Part: Context</b>	<b>'MYAG-HB'</b>	<b>'MYAG-2AD'</b>
<input checked="" type="checkbox"/> Leaf: length (mm)		
Mean	103.10	92.70
Std. Deviation	10.40	12.97
LSD/sig	4.93	P≤0.01
<input checked="" type="checkbox"/> Leaf: length width ratio		
Mean	1.22	1.14
Std. Deviation	0.10	0.09
LSD/sig	0.04	P≤0.01

<input checked="" type="checkbox"/> Fruit: width (mm)		
Mean	35.40	29.50
Std. Deviation	3.48	3.54
LSD/sig	2.11	P≤0.01
<input checked="" type="checkbox"/> Fruit: length width ratio		
Mean	1.09	1.36
Std. Deviation	0.07	0.13
LSD/sig	0.06	P≤0.01

**Prior Applications and Sales:**

Nil

Description: **Leslie Mitchell**, Eurofins Agrosience Services, Shepparton VIC 3630.

<b>Details of Application</b>		
<b>Application Number</b>	2018/212	
<b>Variety Name</b>	'FL13.26-134'	
<b>Genus Species</b>	<i>Fragaria</i> × <i>ananassa</i>	
<b>Common Name</b>	Strawberry	
<b>Synonym</b>	Nil	
<b>Accepted Date</b>	03 Oct 2018	
<b>Applicant</b>	Florida Foundation Seed Producers, Inc., Marianna, Florida, USA	
<b>Agent</b>	Adrian M Trioli Patent and Trade Mark Attorney, 107 Simpson Street, East Melbourne, VIC	
<b>Qualified Person</b>	Elise Pike	
<b>Author of Description</b>		
<b>Details of Comparative Trial</b>		
<b>Overseas Testing Authority</b>	United States Patent and Trademark Office (USPTO)	
<b>Overseas Data Reference Number</b>	US PP30,564	
<b>Location</b>	Balm, Florida USA. Overseas data was verified in Wamuran, QLD, Australia	
<b>Descriptor</b>	Strawberry ( <i>Fragaria</i> × <i>ananassa</i> ) new TG/22/10	
<b>Period</b>	2015-2017, April - August 2019 in Australia	
<b>Conditions</b>	Asexual propagation by stolons and plants where then transplanted into the field and grown under standard production guidelines	
<b>Trial Design</b>	Completely randomised. 'FL 13.26-134' was compared with 'Florida Radiance'.	
<b>Measurements</b>	Measurements and observations were taken from randomly selected plants in the fruiting field.	
<b>RHS Chart - edition</b>	2005	
<b>Origin and Breeding</b>		
Controlled pollination: Seedlings resulting from controlled cross pollination were germinated and planted. The seed parent was 'Fl 11.31-14' and the pollen parent was 'FL 10-153'. Asexually propagated daughter plants were planted into raised beds in the fruiting field. Successive test plantings have confirmed the vegetative and fruit characteristics.		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Plant	density of foliage	sparse to medium
Leaf	Colour of upper side	medium green
Plant	type of bearing	partially remontant
Fruit	position of achenes	below surface
Fruit	colour	medium red

<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>	
<b>Name</b>	<b>Comments</b>
'Florida Radiance'	

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

<b>Organ/Plant Part: Context</b>	<b>'FL13.26-134'</b>	<b>'Florida Radiance'</b>
<input type="checkbox"/> *Plant: growth habit	semi-upright	spreading
<input type="checkbox"/> Plant: density of foliage	sparse to medium	sparse to medium
<input type="checkbox"/> Plant: vigour	medium	weak to medium
<input type="checkbox"/> *Plant: position of inflorescence in relation to foliage	same level	same level
<input type="checkbox"/> *Plant: number of stolons	few to medium	-
<input type="checkbox"/> Stolon: anthocyanin colouration	medium	-
<input type="checkbox"/> Stolon: density of pubescence	sparse	-
<input type="checkbox"/> Leaf: size	medium	medium
<input type="checkbox"/> Leaf: colour of upper side	medium green	medium green
<input type="checkbox"/> *Leaf: glossiness	absent or weak	absent or weak
<input type="checkbox"/> Leaf: variegation	absent	absent
<input type="checkbox"/> *Terminal leaflet:: length in relation to width	moderately longer	much longer
<input type="checkbox"/> *Terminal leaflet: shape of base	acute	acute
<input type="checkbox"/> Terminal leaflet: margin	crenate	crenate
<input type="checkbox"/> Terminal leaflet: shape in cross section	concave	concave
<input type="checkbox"/> Petiole: length	short to medium	short
<input type="checkbox"/> Petiole: attitude of hairs	horizontal	horizontal
<input type="checkbox"/> Stipule: anthocyanin colouration	absent or very weak	absent or very weak
<input type="checkbox"/> Inflorescence: number of flowers	few to medium	very few
<input type="checkbox"/> Pedicel: attitude of hairs	upwards	upwards
<input type="checkbox"/> Flower: diameter	medium	medium
<input type="checkbox"/> *Flower: arrangement of petals	overlapping	free
<input type="checkbox"/> *Flower: size of calyx in relation to corolla	larger	larger
<input type="checkbox"/> *Flower: stamen	present	present
<input checked="" type="checkbox"/> Petal: length in relation to width	much longer	moderately longer
<input type="checkbox"/> *Petal: colour of upper side	white	white

<input type="checkbox"/>	*Fruit: length in relation to width	moderately longer	much longer
<input type="checkbox"/>	*Fruit: size	large	medium to large
<input type="checkbox"/>	*Fruit: shape	cordate	conical
<input type="checkbox"/>	*Fruit: colour	medium red	medium red
<input type="checkbox"/>	Fruit: evenness of colour	even or very slightly uneven	slightly uneven
<input type="checkbox"/>	Fruit: glossiness	strong	strong
<input type="checkbox"/>	Fruit: evenness of surface	even or very slightly uneven	even or very slightly uneven
<input type="checkbox"/>	Fruit: width of band without achenes	absent or very narrow	medium
<input type="checkbox"/>	*Fruit: position of achenes	below surface	below surface
<input type="checkbox"/>	Fruit: position of calyx attachment	level with fruit	inserted
<input type="checkbox"/>	Fruit: attitude of sepals	outwards	outwards
<input type="checkbox"/>	Fruit: diameter of calyx in relation to diameter of fruit	slightly larger	slightly larger
<input type="checkbox"/>	Fruit: adherence of calyx	medium	medium
<input checked="" type="checkbox"/>	Fruit: firmness	very firm	medium to firm
<input type="checkbox"/>	Fruit: colour of flesh (excluding core)	medium red	medium red
<input type="checkbox"/>	Fruit: colour of core	light red	light red
<input type="checkbox"/>	Fruit: cavity	absent or small	absent or small
<input type="checkbox"/>	*Time of: beginning of flowering	very early to early	early
<input type="checkbox"/>	Time of: beginning of fruit ripening	very early to early	early
<input type="checkbox"/>	*Type of: bearing	partially remontant	partially remontant

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

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
Canada	2019	Applied	'Florida Brilliance'
USA	2017	Granted	'Florida Brilliance'
EU	2014	Applied	'FL 13.26-134'

First sold in March in 2018.

Description: **Elise Pike**, Ballandean, QLD.

<b>Details of Application</b>		
<b>Application Number</b>	2017/332	
<b>Variety Name</b>	'BS20-5-1'	
<b>Genus Species</b>	<i>Fragaria X xananassa</i>	
<b>Common Name</b>	Strawberry	
<b>Synonym</b>	Nil	
<b>Accepted Date</b>	18 Dec 2017	
<b>Applicant</b>	Miyoshi & Co., Ltd. Tokyo, Japan.	
<b>Agent</b>	Berry Sensation Pty Ltd, Notting Hill, VIC.	
<b>Qualified Person</b>	Leslie Mitchell	
<b>Details of Comparative Trial</b>		
<b>Location</b>	Shady Creek, Victoria, Australia	
<b>Descriptor</b>	TG/22/10 Rev	
<b>Period</b>	January to May 2019	
<b>Conditions</b>	Plants grown in strawberry grow bags in a glasshouse. Irrigated using conventional hydroponic methods. Crop protection treatments applied as required.	
<b>Trial Design</b>	Completely randomised. 25 plants per treatment.	
<b>Measurements</b>	As per TG/22/10	
<b>RHS Chart - edition</b>	6th Edition 2017	
<b>Origin and Breeding</b>		
<p>Controlled pollination: In September 2007 crosses were completed between the breeding line 'KB20N', owned by Nubuo Kanasashi, and a mix of pollen from a range of breeding lines, held by Kanasashi, and from the commercial cultivar 'Summer Princess' (Japan PBR Grant No 11245). Progeny from this mix were grown out at the Miyoshi and Co research farm in Hokutochy, Japan and one variety in particular showed promise, with its particular fruit shape and very high sugar levels. This line was coded '20-5-1' for further evaluation from 2010 to 2012 on the Hokutochy farm. These evaluations confirmed the earlier observations. Successive generations were propagated vegetatively and have shown the variety to remain stable and true to form. Breeder:Nobuo Kanasashi, Shizuoka, Japan.</p>		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Plant	type of bearing	partially remontant
Fruit	colour	medium red
Fruit	shape	conical
Flower	diameter	medium
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
'Tochiotome'		

<b>Varieties of Common Knowledge identified and subsequently excluded</b>					
<b>Variety</b>	<b>Distinguishing Characteristics Organ/Plant Part Context</b>		<b>State of Expression in Candidate Variety</b>	<b>State of Expression in Comparator Variety</b>	<b>Comments</b>
'Albion'	Fruit	soluble solids	high to very high	medium	
'MYAG-2AD'	Plant	type of bearing	partially remontant	day neutral	

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

<b>Organ/Plant Part: Context</b>	<b>'BS20-5-1'</b>	<b>'Tochiotome'</b>
<input type="checkbox"/> *Plant: growth habit	upright	semi-upright
<input type="checkbox"/> Plant: density of foliage	dense to very dense	dense
<input type="checkbox"/> Plant: vigour	strong to very strong	medium to strong
<input type="checkbox"/> *Plant: position of inflorescence in relation to foliage	above	above
<input checked="" type="checkbox"/> *Plant: number of stolons	few	medium
<input type="checkbox"/> Stolon: anthocyanin colouration	weak	weak
<input type="checkbox"/> Stolon: density of pubescence	sparse	sparse
<input type="checkbox"/> Leaf: size	large	very large
<input type="checkbox"/> Leaf: colour of upper side	light green	medium green
<input type="checkbox"/> *Leaf: blistering	absent or weak	absent or weak
<input type="checkbox"/> *Leaf: glossiness	absent or weak	absent or weak
<input type="checkbox"/> Leaf: variegation	absent	absent
<input type="checkbox"/> *Terminal leaflet:: length in relation to width	much longer	much longer
<input type="checkbox"/> *Terminal leaflet: shape of base	acute	acute
<input type="checkbox"/> Terminal leaflet: margin	crenate	serrate to crenate
<input checked="" type="checkbox"/> Terminal leaflet: shape in cross section	convex	concave
<input checked="" type="checkbox"/> Petiole: length	medium	short
<input type="checkbox"/> Petiole: attitude of hairs	slightly outwards	slightly outwards
<input type="checkbox"/> Stipule: anthocyanin colouration	medium to strong	weak
<input type="checkbox"/> Inflorescence: number of flowers	medium to many	many
<input type="checkbox"/> Pedicel: attitude of hairs	upwards	horizontal
<input type="checkbox"/> Flower: diameter	medium	medium
<input type="checkbox"/> *Flower: arrangement of petals	free	overlapping
<input checked="" type="checkbox"/> *Flower: size of calyx in relation to corolla	same size	larger

<input type="checkbox"/> *Flower: stamen	present	present
<input type="checkbox"/> Petal: length in relation to width	moderately longer	moderately longer
<input type="checkbox"/> *Petal: colour of upper side	white	white
<input type="checkbox"/> *Fruit: length in relation to width	moderately longer	much longer
<input type="checkbox"/> *Fruit: size	small to medium	medium
<input type="checkbox"/> *Fruit: shape	conical	conical
<input type="checkbox"/> Fruit: difference in shape of terminal and other fruits	very slight to slight	very slight to slight
<input type="checkbox"/> *Fruit: colour	medium red	medium red
<input type="checkbox"/> Fruit: evenness of colour	even or very slightly uneven	even or very slightly uneven
<input checked="" type="checkbox"/> Fruit: glossiness	medium	strong
<input type="checkbox"/> Fruit: evenness of surface	even or very slightly uneven	even or very slightly uneven
<input type="checkbox"/> Fruit: width of band without achenes	absent or very narrow	absent or very narrow
<input type="checkbox"/> *Fruit: position of achenes	below surface	below surface
<input type="checkbox"/> Fruit: position of calyx attachment	level with fruit	level with fruit
<input type="checkbox"/> Fruit: attitude of sepals	downwards	outwards
<input type="checkbox"/> Fruit: diameter of calyx in relation to diameter of fruit	same size	same size
<input type="checkbox"/> Fruit: adherence of calyx	strong to very strong	strong
<input checked="" type="checkbox"/> Fruit: firmness	soft to medium	firm
<input type="checkbox"/> Fruit: colour of flesh (excluding core)	light pink	light pink
<input type="checkbox"/> Fruit: colour of core	white	white
<input type="checkbox"/> Fruit: cavity	absent or small	absent or small
<input type="checkbox"/> *Time of: beginning of flowering	medium to late	medium to late
<input type="checkbox"/> Time of: beginning of fruit ripening	late	medium to late
<input type="checkbox"/> *Type of: bearing	partially remontant	partially remontant

### Statistical Table

Organ/Plant Part: Context	'BS20-5-1'	'Tochiotome'
<input checked="" type="checkbox"/> Leaf: length (mm)		
Mean	90.30	107.00
Std. Deviation	10.10	8.16
LSD/sig	4.93	P<0.01
<input checked="" type="checkbox"/> Leaf: width (mm)		
Mean	72.30	86.70
Std. Deviation	10.20	7.50

LDS/sig	4.60	P<0.01
<input checked="" type="checkbox"/> Fruit: length (mm)		
Mean	28.70	34.10
Std. Deviation	3.59	4.67
LSD/sig	2.40	P<0.01
<input checked="" type="checkbox"/> Petal: width (mm)		
Mean	10.60	12.50
Std. Deviation	0.99	1.70
LSD/sig	0.67	P<0.01
<input checked="" type="checkbox"/> Fruit: length width ratio		
Mean	1.05	1.29
Std. Deviation	0.07	0.14
LSD/sig	0.06	P<0.01

**Prior Applications and Sales:**

Nil

Description: **Leslie Mitchell**, Eurofins Agrosience Services, Shepparton VIC 3630.

<b>Details of Application</b>	
<b>Application Number</b>	2017/207
<b>Variety Name</b>	'Peles'
<b>Genus Species</b>	<i>Fragaria X ananassa</i>
<b>Common Name</b>	Strawberry
<b>Synonym</b>	
<b>Accepted Date</b>	04 Jan 2018
<b>Applicant</b>	Efraim Yosef, Hod ha-Sharon, Israel
<b>Agent</b>	Eurofins Agrosience Services Pty Ltd, Shepparton, Vic 3630
<b>Qualified Person</b>	Leslie Mitchell
<b>Details of Comparative Trial</b>	
<b>Overseas Testing Authority</b>	PBR Unit, MOAG, Israel
<b>Overseas Data Reference Number</b>	4578/15
<b>Location</b>	Hod-ha-Sharon, Israel
<b>Descriptor</b>	TG/22/6
<b>Period</b>	2015/2016
<b>Conditions</b>	as contained in the OS test report
<b>Trial Design</b>	
<b>Measurements</b>	As per TG/22/6
<b>RHS Chart - edition</b>	
<b>Origin and Breeding</b>	
<p>Controlled pollination: Crosses were completed in 2009 between the patented variety 'Rotemi' and the breeding line EF 20 at Hod ha-Sharon, Israel. Progeny from seed were grown in the field at this location and one line in particular showed exceptional fruit colour and quality characteristics. The variety was coded E-62. Subsequent generations have been produced through vegetative propagation, grown and evaluated at Hod ha-Sharon with the resultant fruit produced being true to type and demonstrating exceptional quality. This variety was named 'Peles'. Breeders: Efraim Yosef and Asaf Meizles, Hod ha-Sharon, Israel</p>	

<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Plant	growth habit	semi-upright
Petal	colour of the upper side	white
Fruit	shape	conical
Fruit	colour	dark red
Plant	type of bearing	day neutral
Fruit	size	small to medium
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		

Name	Comments
'Driscoll Jubilee'	

<b>Varieties of Common Knowledge identified and subsequently excluded</b>					
Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Tamar'	fruit	colour	dark red	red	

<b>Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.</b>		
Organ/Plant Part: Context	'Peles'	'Driscoll Jubilee'
<input type="checkbox"/> *Plant: growth habit	semi-upright	
<input type="checkbox"/> Plant: density of foliage	medium to dense	sparse to medium
<input type="checkbox"/> Plant: vigour	medium	
<input type="checkbox"/> *Plant: position of inflorescence in relation to foliage	beneath	
<input type="checkbox"/> *Plant: number of stolons	medium to many	
<input checked="" type="checkbox"/> Stolon: anthocyanin colouration	absent or very weak	medium
<input type="checkbox"/> Stolon: density of pubescence	medium	
<input type="checkbox"/> Leaf: size	large to very large	
<input checked="" type="checkbox"/> Leaf: colour of upper side	dark green	yellow green
<input checked="" type="checkbox"/> *Leaf: blistering	absent or weak	strong
<input type="checkbox"/> *Leaf: glossiness	medium	
<input type="checkbox"/> Leaf: variegation	absent	
<input type="checkbox"/> *Terminal leaflet:: length in relation to width	equal	
<input type="checkbox"/> *Terminal leaflet: shape of base	obtuse	acute
<input type="checkbox"/> Terminal leaflet: margin	serrate to crenate	crenate
<input type="checkbox"/> Terminal leaflet: shape in cross section	concave	
<input type="checkbox"/> Petiole: length	medium to long	
<input type="checkbox"/> Petiole: attitude of hairs	horizontal	
<input checked="" type="checkbox"/> Stipule: anthocyanin colouration	absent or very weak	medium

<input type="checkbox"/>	Inflorescence: number of flowers	medium	
<input type="checkbox"/>	Pedice: attitude of hairs	slightly outwards	
<input type="checkbox"/>	Flower: diameter	medium to large	
<input type="checkbox"/>	*Flower: arrangement of petals	overlapping	
<input type="checkbox"/>	*Flower: size of calyx in relation to corolla	larger	
<input type="checkbox"/>	*Flower: stamen	present	
<input type="checkbox"/>	Petal: length in relation to width	moderately longer	
<input type="checkbox"/>	*Petal: colour of upper side	white	
<input type="checkbox"/>	*Fruit: length in relation to width	moderately longer	
<input type="checkbox"/>	*Fruit: size	small to medium	
<input type="checkbox"/>	*Fruit: shape	conical	
<input type="checkbox"/>	Fruit: difference in shape of terminal and other fruits	slight	none or very slight
<input type="checkbox"/>	*Fruit: colour	dark red	
<input type="checkbox"/>	Fruit: evenness of colour	even or very slightly uneven	
<input type="checkbox"/>	Fruit: glossiness	strong	
<input type="checkbox"/>	Fruit: evenness of surface	even or very slightly uneven	
<input type="checkbox"/>	Fruit: width of band without achenes	absent or very narrow	
<input type="checkbox"/>	*Fruit: position of achenes	level with surface	
<input type="checkbox"/>	Fruit: position of calyx attachment	level with fruit	
<input type="checkbox"/>	Fruit: attitude of sepals	upwards	
<input type="checkbox"/>	Fruit: diameter of calyx in relation to diameter of fruit	same size	
<input type="checkbox"/>	Fruit: adherence of calyx	strong	
<input type="checkbox"/>	Fruit: firmness	medium to firm	
<input type="checkbox"/>	Fruit: colour of flesh (excluding core)	light red	
<input type="checkbox"/>	Fruit: colour of core	light red	
<input type="checkbox"/>	Fruit: cavity	absent or small	
<input checked="" type="checkbox"/>	*Time of: beginning of flowering	very early	medium

<input type="checkbox"/> Time of: beginning of fruit ripening	medium to late	
<input type="checkbox"/> *Type of: bearing	day neutral	

**Prior Applications and Sales:**

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
EU	2015	pending	'Peles'
South Africa	2016	pending	'Peles'
Israel	2015	granted	'Peles'

First sold in Israel on 15<sup>th</sup> November 2015

Description: **Leslie Mitchell**, Shepparton, Vic 3630

<b>Details of Application</b>		
<b>Application Number</b>	2018/281	
<b>Variety Name</b>	'Diligent'	
<b>Genus Species</b>	<i>Fragaria × ananassa</i>	
<b>Common Name</b>	Strawberry	
<b>Synonym</b>	Nil	
<b>Accepted Date</b>	25 Oct 2018	
<b>Applicant</b>	BERRY GENETICS, Inc., Watsonville, CA, USA	
<b>Agent</b>	Red Jewel Fruit Management Pty. Ltd., 744 Emu Swamp Road Ballandean, QLD	
<b>Qualified Person</b>	Elise Pike	
<b>Details of Comparative Trial</b>		
<b>Overseas Testing Authority</b>	United States Patent and Trademark Office (USPTO)	
<b>Overseas Data Reference Number</b>	US PP27 441	
<b>Location</b>	Ventura County, California USA. Overseas data was verified in Wamuran, QLD, Australia	
<b>Descriptor</b>	Strawberry ( <i>Fragaria × ananassa</i> ) new TG/22/10	
<b>Period</b>	2010-2014, April - August 2019 in Australia	
<b>Conditions</b>	Asexual propagation by stolons and plants were then transplanted into field and grown under standard Strawberry production systems.	
<b>Trial Design</b>	Completely randomised. 'Diligent' was compared with its parent variety Aus-Splendor (BG-959).	
<b>Measurements</b>	Measurements and observations were taken on randomly selected plants and described using UPOV guidelines.	
<b>RHS Chart - edition</b>	2007	
<b>Origin and Breeding</b>		
Controlled pollination: "Diligent" resulted from a controlled cross pollination in a breeding program a Ventura, California. Plants were asexually propagated by stolons and extensively tested in the fruiting fields over the next several seasons to confirm characteristics. Breeders: Steven D. Nelson, Michael D Nelson and Leo W. Stoeckle. Employees of Berry Genetics, Freedom California, USA.		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Fruit	shape	conical
Fruit	colour	medium red
Plant	type of bearing	non remontant
Leaf	glossiness	medium

<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>					
Name		Comments			
'Aus-Splendor' (BG-959)					
<b>Varieties of Common Knowledge identified and subsequently excluded</b>					
Variety	Distinguishing Characteristics Organ/Plant Part Context		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'BG-4316' (Victory)	Fruit	size	very large	medium	

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

Organ/Plant Part: Context	'Diligent'	'Aus-Splendor' (BG-959)
<input type="checkbox"/> *Plant: growth habit	upright	semi-upright
<input type="checkbox"/> Plant: density of foliage	sparse to medium	medium
<input type="checkbox"/> Plant: vigour	medium	weak to medium
<input type="checkbox"/> *Plant: position of inflorescence in relation to foliage	above	same level
<input type="checkbox"/> *Plant: number of stolons	medium	few to medium
<input checked="" type="checkbox"/> Stolon: anthocyanin colouration	absent or very weak	medium
<input type="checkbox"/> Stolon: density of pubescence	medium	medium
<input type="checkbox"/> Leaf: size	small to medium	
<input checked="" type="checkbox"/> Leaf: colour of upper side	yellow green	medium green
<input type="checkbox"/> *Leaf: blistering	medium	medium
<input type="checkbox"/> *Leaf: glossiness	medium	medium
<input type="checkbox"/> Leaf: variegation	absent	absent
<input type="checkbox"/> *Terminal leaflet:: length in relation to width	moderately longer	equal
<input type="checkbox"/> *Terminal leaflet: shape of base	obtuse	obtuse
<input type="checkbox"/> Terminal leaflet: margin	crenate	crenate
<input type="checkbox"/> Terminal leaflet: shape in cross section	concave	-
<input type="checkbox"/> Petiole: length	medium	-
<input type="checkbox"/> Petiole: attitude of hairs	horizontal	horizontal
<input type="checkbox"/> Stipule: anthocyanin colouration	medium	medium to strong
<input type="checkbox"/> Inflorescence: number of flowers	medium	-
<input type="checkbox"/> Pedicel: attitude of hairs	upwards	-

<input type="checkbox"/>	Flower: diameter	large	medium to large
<input type="checkbox"/>	*Flower: arrangement of petals	overlapping	touching
<input type="checkbox"/>	*Flower: size of calyx in relation to corolla	larger	-
<input type="checkbox"/>	*Flower: stamen	present	-
<input type="checkbox"/>	Petal: length in relation to width	moderately shorter	moderately longer
<input type="checkbox"/>	*Petal: colour of upper side	white	
<input type="checkbox"/>	*Fruit: length in relation to width	moderately longer	moderately longer
<input checked="" type="checkbox"/>	*Fruit: size	very large	medium to large
<input type="checkbox"/>	*Fruit: shape	conical	conical
<input type="checkbox"/>	Fruit: difference in shape of terminal and other fruits	moderate	slight to moderate
<input type="checkbox"/>	*Fruit: colour	medium red	medium red
<input type="checkbox"/>	Fruit: evenness of colour	even or very slightly uneven	slightly uneven
<input type="checkbox"/>	Fruit: glossiness	medium	medium
<input type="checkbox"/>	Fruit: evenness of surface	even or very slightly uneven	even or very slightly uneven
<input type="checkbox"/>	Fruit: width of band without achenes	absent or very narrow	narrow
<input type="checkbox"/>	*Fruit: position of achenes	level with surface	level with surface
<input type="checkbox"/>	Fruit: position of calyx attachment	inserted	level with fruit
<input type="checkbox"/>	Fruit: attitude of sepals	outwards	-
<input type="checkbox"/>	Fruit: diameter of calyx in relation to diameter of fruit	slightly smaller	-
<input type="checkbox"/>	Fruit: adherence of calyx	strong	strong
<input checked="" type="checkbox"/>	Fruit: firmness	medium	firm to very firm
<input type="checkbox"/>	Fruit: colour of flesh (excluding core)	medium red	medium red
<input type="checkbox"/>	Fruit: colour of core	light red	-
<input type="checkbox"/>	Fruit: cavity	absent or small	absent or small
<input type="checkbox"/>	*Time of: beginning of flowering	early	very early to early
<input type="checkbox"/>	Time of: beginning of fruit ripening	early	very early to early
<input type="checkbox"/>	*Type of: bearing	not remontant	not remontant

**Prior Applications and Sales:**

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
USA	2014	Granted	'Diligent'

First sold in Jordan in Sep 2014.

Description: **Elise Pike**, Ballandean, QLD.

<b>Details of Application</b>		
<b>Application Number</b>	2016/266	
<b>Variety Name</b>	'Greenwood Navel'	
<b>Genus Species</b>	<i>Citrus sinensis</i>	
<b>Common Name</b>	Sweet Orange	
<b>Synonym</b>	Nil	
<b>Accepted Date</b>	19 Oct 2016	
<b>Applicant</b>	Merewyn Pty Ltd, Milsons Point, NSW.	
<b>Agent</b>	Arthur Edwards, Mildura, VIC.	
<b>Qualified Person</b>	Arthur Edwards	
<b>Details of Comparative Trial</b>		
<b>Location</b>	Iraak, North West Victoria	
<b>Descriptor</b>	UPOV TG/202/1 (Citrus Group 2 Oranges)	
<b>Period</b>	2017 to 2019	
<b>Conditions</b>	The candidate variety and four comparator varieties was field grafted onto Citrange Rootstock, with a Valencia interstock, in a commercial orchard at Nangiloc, Victoria. Plant measurements commenced during flowering (September) 2018 and were completed at harvest (August) 2019. All trees were provided with the same nutrition, irrigation, and pest and disease management as commercial trees in the same orchard.	
<b>Trial Design</b>	A replicated trial was established by top working the candidate and comparators to established trees in five rows of a commercial orchard. One tree of the candidate variety and one tree of each comparator variety were randomly allocated to each row.	
<b>Measurements</b>	Flowers, leaves, spines, fruit, juice, maturity. Measurements were taken at flowering and when the fruit was near or at maturity. Australian Citrus Quality Standards were measured using the formula $(\text{Brix} - (\% \text{Acid} \times 4)) \times 16.5$	
<b>RHS Chart - edition</b>	RHS 1985 edition reprinted 2007	
<b>Origin and Breeding</b>		
Spontaneous mutation: The candidate variety was discovered in 2016 as a sport limb on a single 'Cara Cara' tree in a mature commercial orchard of 'Cara Cara' at Nangiloc, North West Victoria. Fruit on the sport limb showed a blush on the skin and distinct red/purple flesh, and foliage on the sport limb was strongly variegated. The characteristics of the sport limb on the mother tree remained stable through successive seasons, and persisted in a second generation of grafted daughter trees. Breeder: Merewyn Pty Ltd, Milsons Point, NSW.		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Ploidy		diploid

Tree	growth habit	drooping
Fruit	length	short to medium
Fruit surface	predominant colour	medium orange/dark orange
Fruit	presence of navel	always present
Fruit	presence of depression at distal end	absent
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
Name	Comments	
'Cara Cara'	red-fleshed, sweet orange	
'Kirkwood'	red-fleshed, sweet orange	
'Villa Villa'	red-fleshed, sweet orange	
'Washington Navel'	mid-season, sweet orange	

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

Organ/Plant Part: Context	'Greenwood Navel'	'Cara Cara'	'Kirkwood'	'Villa Villa'	'Washington Navel'
<input type="checkbox"/> Ploidy:	diploid	diploid	diploid	diploid	triploid
<input type="checkbox"/> *Tree: growth habit	drooping	drooping	drooping	drooping	drooping
<input type="checkbox"/> Tree: density of spines	absent or sparse	absent or sparse	absent or sparse	absent or sparse	absent or sparse
<input type="checkbox"/> Tree: length of spines	short	short	short	short	short to medium
<input type="checkbox"/> Leaf blade: length	short to medium	medium to long	medium to long	medium to long	medium
<input type="checkbox"/> Leaf blade: width	medium	medium to broad	medium to broad	medium	medium
<input type="checkbox"/> Leaf blade: ratio length/width	small to medium	medium	medium	medium	medium
<input type="checkbox"/> Leaf blade: shape in cross section	intermediate	intermediate	intermediate	intermediate	intermediate
<input checked="" type="checkbox"/> Leaf blade: twisting	strong	absent or weak	absent or weak	absent or weak	absent or weak
<input checked="" type="checkbox"/> Leaf blade: blistering	strong	absent or weak	absent or weak	absent or weak	absent or weak
<input checked="" type="checkbox"/> Leaf blade: green colour	very light to light	medium	medium	medium	medium
<input checked="" type="checkbox"/> Leaf blade: undulation of margin	strong	absent or weak	absent or weak	absent or weak	absent or weak
<input type="checkbox"/> Leaf blade: incisions of margin	absent	absent	absent	absent	absent
<input type="checkbox"/> Leaf blade: shape of	acute	acute	acute	acute	acute

apex					
<input type="checkbox"/> Leaf blade: emargination at tip	absent	absent	absent	absent	absent
<input type="checkbox"/> Petiole: length	short	short	short	short	medium
<input type="checkbox"/> Petiole: presence of wings	present	present	present	present	present
<input type="checkbox"/> Petiole: width of wings (varieties with petiole wings present only)	narrow	narrow	very narrow	very narrow	narrow to medium
<input type="checkbox"/> Flower: diameter of calyx	medium	medium	medium	medium	medium to large
<input type="checkbox"/> Flower: length of petal	medium to long	medium	medium to long	medium to long	medium to long
<input type="checkbox"/> Flower: width of petal	medium to broad	medium to broad	medium to broad	medium to broad	broad
<input type="checkbox"/> Flower: ratio length/width of petal	medium	medium	medium	medium	medium
<input type="checkbox"/> Flower: length of stamens	medium	medium	medium	medium	medium
<input type="checkbox"/> Flower: basal union of stamens	absent	absent	absent	absent	absent
<input type="checkbox"/> Anther: colour	light yellow	light yellow	light yellow	light yellow	light yellow
<input type="checkbox"/> Style: length	medium to long	medium to long	medium to long	medium to long	long
<input type="checkbox"/> Style: shape	straight	straight	straight	straight	straight
<input type="checkbox"/> *Fruit: length	short to medium	short to medium	short to medium	short to medium	medium
<input type="checkbox"/> *Fruit: diameter	small to medium	small to medium	small to medium	small to medium	medium to large
<input type="checkbox"/> *Fruit: ratio length/diameter	medium	medium	medium	medium	medium
<input type="checkbox"/> *Fruit: position of broadest part	at middle	at middle	towards distal end	at middle	at middle
<input type="checkbox"/> Fruit: general shape of proximal part	slightly rounded	slightly rounded	slightly rounded	slightly rounded	slightly rounded
<input type="checkbox"/> *Fruit: presence of depression at stalk end (varieties without fruit neck only)	present	absent	absent	absent	present

<input type="checkbox"/> Fruit: depth of depression at stalk end (varieties without fruit neck only)	shallow	shallow	shallow	shallow	shallow
<input type="checkbox"/> Fruit: number of radial grooves at stalk end	intermediate	intermediate	intermediate	intermediate	absent or few
<input checked="" type="checkbox"/> Fruit: length of radial grooves at stalk end	long	short to medium	short to medium	short to medium	short
<input type="checkbox"/> Fruit: presence of collar	absent	absent	absent	absent	absent
<input type="checkbox"/> Fruit: general shape of distal part	slightly rounded	slightly rounded	flattened	slightly rounded	slightly rounded
<input type="checkbox"/> *Fruit: presence of depression at distal end	absent	absent	absent	absent	absent
<input type="checkbox"/> Fruit: diameter of stylar scar	very small	very small to small	very small to small	very small to small	medium
<input type="checkbox"/> Fruit: persistence of style	none	none	none	none	none
<input type="checkbox"/> Fruit: presence of navel opening	always present				
<input type="checkbox"/> Fruit: diameter of navel opening	small	small to medium	small to medium	small to medium	small to medium
<input type="checkbox"/> Fruit: bulging of navel	absent or weak				
<input type="checkbox"/> Fruit: presence of radial grooves at distal end	present	absent	absent	absent	absent
<input type="checkbox"/> Fruit: colour variegation	absent	absent	absent	absent	absent
<input type="checkbox"/> *Fruit surface: predominant colour(s)	medium orange	medium orange	medium orange	medium orange	dark orange
<input type="checkbox"/> Fruit surface: roughness	very smooth to smooth	medium	smooth to medium	smooth to medium	smooth to medium
<input type="checkbox"/> Fruit surface: size of oil glands	all more or less the same size				
<input type="checkbox"/> Fruit surface: size of larger oil glands	small to medium	small to medium	small to medium	small to medium	small
<input type="checkbox"/> Fruit surface: conspicuousness of larger	medium	weak	weak	weak	weak

oil glands					
<input type="checkbox"/> Fruit surface: presence of pitting and pebbling on oil glands	pitting and pebbling absent				
<input type="checkbox"/> *Fruit rind: thickness	thin	medium	thin to medium	thin to medium	medium
<input type="checkbox"/> Fruit rind: strength	medium	medium to strong	medium to strong	medium to strong	medium
<input checked="" type="checkbox"/> Fruit: colour of albedo	pink	light yellow	light yellow	light yellow	light yellow
<input type="checkbox"/> Fruit: differently coloured specks in flesh	absent	absent	absent	absent	absent
<input type="checkbox"/> Fruit: bicoloured segments	absent	absent	absent	absent	absent
<input type="checkbox"/> *Fruit: main colour of flesh	red	orange red	orange red	orange red	medium orange
<input type="checkbox"/> Fruit: bitterness of flesh	absent	absent	absent	absent	absent
<input type="checkbox"/> Fruit: filling of core	medium	medium	medium	medium to dense	medium
<input type="checkbox"/> Fruit: diameter of core	small to medium	small to medium	small to medium	small to medium	medium
<input type="checkbox"/> Fruit: number of well- developed segments	medium	medium	medium	medium	medium
<input type="checkbox"/> *Fruit: presence of navel (viewed internally)	always present				
<input type="checkbox"/> Fruit: size of navel (viewed internally)	medium	small to medium	small to medium	small to medium	medium
<input type="checkbox"/> *Seed: polyembryony	absent	absent	absent	absent	absent
<input checked="" type="checkbox"/> *Time of: maturity of fruit for consumption	medium to late	medium to late	medium to late	medium to late	early to medium
<input type="checkbox"/> *Fruit: parthenocarpy	present	present	present	present	present

<b>Characteristics Additional to the Descriptor/TG</b>					
<b>Organ/Plant Part: Context</b>	<b>‘Greenwood Navel’</b>	<b>‘Cara Cara’</b>	<b>‘Kirkwood’</b>	<b>‘Villa Villa’</b>	<b>‘Washington Navel’</b>
<input checked="" type="checkbox"/> Fruit: colour of flesh (RHS colours)	179 - 34A-B	171B	171A- 172B	171A-B - N172C	17B and 21
<input checked="" type="checkbox"/> Leaf blade: variegation of colour	strongly expressed	rare or absent	rare or absent	rare or absent	rare or absent
<input checked="" type="checkbox"/> Fruit: quality standard (Brix-Acid %)	91	112	103	108	118

<input checked="" type="checkbox"/> Fruit: maturity (Brix:Acid ratio)	8.7	9.9	9.5	9.8	10.5

**Prior Applications and Sales:**

Nil

Description: **Arthur Edwards**, APM Pty Ltd, Mildura, VIC.

<b>Details of Application</b>	
<b>Application Number</b>	2018/011
<b>Variety Name</b>	'SV0872PB'
<b>Genus Species</b>	<i>Capsicum annuum</i>
<b>Common Name</b>	Sweet Pepper
<b>Synonym</b>	
<b>Accepted Date</b>	21 Feb 2018
<b>Applicant</b>	Seminis Vegetable Seeds, Inc., St. Louis, Missouri, USA
<b>Agent</b>	Monsanto Australia Limited, St. Kilda, Melbourne, Vic 3004
<b>Qualified Person</b>	David Campbell
<b>Details of Comparative Trial</b>	
<b>Location</b>	Farnsfield, Qld
<b>Descriptor</b>	UPOV TG for <i>Capsicum annuum</i> 76/8
<b>Period</b>	August-December 2018
<b>Conditions</b>	This trial was planted under a standard open field capsicum program: Heavy application of pre-plant fertilizer (700-800kg/ha), regular fertigation through drip irrigation standard insecticide and fungicide program applied (one application of inter-row herbicide 9 rows/bed 1.8m between rows). Plants spaced 25cm apart within the row. Rows covered in white plastic mulch and irrigated with trickle tape irrigation The trial was planted on shallow grey/white wallum soil. Growing conditions during the life of the trial were quite harsh. Above average temperatures throughout the growing season placed the varieties under significant stress. A significant rainfall event occurred at fruit fill, but no significant damage to the trial was exhibited.
<b>Trial Design</b>	Randomised complete block design. 3 replicates of each variety (candidates, comparators and parental lines). 20 plants of each variety was planted/replicate.
<b>Measurements</b>	All measurements in accordance with technical guidelines
<b>RHS Chart - edition</b>	2018 RHS colour chart
<b>Origin and Breeding</b>	
<p>Controlled pollination: Pepper hybrid 'SV0872PB' (13-8T-BLK-3995) was developed by pedigree selection from an initial cross between the proprietary Seminis pepper inbred lines SBR8T14-6251 (female parent) and SBR8T14-6254 (male parent). The initial cross took place in 2014, followed by the initial F1 hybrid evaluation in 2015. SVPB3835 is heterozygous for the following resistance genes: <i>L1</i> gene for Tobamovirus Pathotype P0 and the <i>N</i> gene for resistance to nematode species <i>Meloidogyne incognita</i>, <i>Meloidogyne javanica</i>, and <i>Meloidogyne arenaria</i>, and the <i>Bs2</i> gene for Bacterial Leaf Spot (<i>Xanthomonas campestris</i> pv. <i>vesicatoria</i>) Races 0-3, 7 and 8.</p> <p>It is homozygous for the <i>bs5</i> gene conferring resistance to Bacterial Leaf Spot (<i>Xanthomonas campestris</i> pv. <i>vesicatoria</i>) Races 0-10. The breeding work was conducted at the Seminis Research Station located in Felda, Florida, USA, under the direction of Brian Just.</p>	

The female parent line, SBR8T14-6251, was developed by pedigree selection carried out to the F8 generation from the Seminis experimental hybrid SVR 16392643. This hybrid resulted from a cross between the Seminis proprietary breeding lines “SBR-99-1326” (female parent) and “09SP 1474-01” (male parent).

- “SBR-99-1326” is a green immature to red mature blocky bell pepper with yellow anthers. The line is homozygous for the *L1* gene which confers resistance to Tobamovirus Pathotypes P0. It is also homozygous for the *bs5* gene conferring resistance to Bacterial Leaf Spot (*Xanthomonas campestris* pv. *vesicatoria*) Races 0-10. is a medium sized, moderately branched plant. The fruit are of a medium size and have a very smooth exterior, are predominantly 4 lobed, and have a high degree of uniformity.
- “09SP 1474-01” is a green immature to yellow mature blocky bell pepper that develops a short plant which produces large and extra-large fruit. The line is homozygous for the *N* gene which confers resistance to nematode species *Meloidogyne incognita*, *Meloidogyne javanica*, and *Meloidogyne arenaria*.

The male parent line, SBR8T14-6254, was developed by pedigree selection from the Seminis experimental hybrid SVR 9994604. This hybrid resulted from a cross between the Seminis proprietary breeding lines “08LB 04489-02” (female parent) and “SBR-27-477” (male parent).

- “08LB 04489-02” is a medium green immature to red mature blocky bell pepper with yellow anthers. The line contains the *bs5* gene for resistance gene for Tobamovirus Pathotype P0, *Bs2* gene for resistance to Bacterial Leaf Spot (*Xanthomonas campestris* pv. *vesicatoria*) Races 0-3, 7 and 8.
- “SBR-27-477” is a green immature to red mature blocky bell pepper with yellow anthers. The line is homozygous for the *Bs1* gene for Bacterial Leaf Spot (*Xanthomonas campestris* pv. *vesicatoria*) Races 0, 2 and 5. characterized by prolific fruit setting and fruits that are very firm at both the green and red stages.

Breeders: Brian Just, Seminis Vegetable Seeds, Inc.

<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Fruit	texture of surface	smooth
Fruit	colour at maturity	red
Fruit	colour before maturity	green
Fruit	capsaicin in placenta	absent
Calyx	aspect	non-enveloping
Fruit	stalk cavity	present
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
'Warlock'		

'Maximinus'	
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<b>Varieties of Common Knowledge identified and subsequently excluded</b>					
<b>Variety</b>	<b>Distinguishing Characteristics</b>		<b>State of Expression in Candidate Variety</b>	<b>State of Expression in Comparator Variety</b>	<b>Comments</b>
'Maximinus'	fruit	average number per plant	8	12	

<b>Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.</b>		
<b>Organ/Plant Part: Context</b>	<b>'SV0872PB'</b>	<b>'Warlock'</b>
<input type="checkbox"/> Plant: attitude	semi-erect	semi-erect
<input type="checkbox"/> Plant: length of stem	long	long
<input type="checkbox"/> *Plant: shortened internode	present	present
<input type="checkbox"/> Plant: number of internodes between the first flower and shortened internodes (varieties with shortened internodes only)	more than three	more than three
<input type="checkbox"/> Plant: anthocyanin colouration at level of nodes	absent or very weak to weak	absent or very weak
<input type="checkbox"/> *Leaf: length of blade	long	long
<input type="checkbox"/> *Leaf: width	medium to broad	medium to broad
<input type="checkbox"/> Leaf: green colour	medium to dark	medium to dark
<input type="checkbox"/> Leaf: blistering	weak to medium	weak to medium
<input type="checkbox"/> *Flower: attitude of peduncle	non-erect	non-erect
<input type="checkbox"/> *Fruit: colour before maturity	green	green
<input checked="" type="checkbox"/> Fruit: intensity of colour before maturity	medium to dark	light to medium
<input type="checkbox"/> Fruit: attitude	drooping to strongly drooping	drooping to strongly drooping
<input checked="" type="checkbox"/> *Fruit: length	medium	medium to long
<input checked="" type="checkbox"/> Fruit: diameter	medium to large	large
<input type="checkbox"/> Fruit: ratio length/diameter	medium	medium
<input type="checkbox"/> *Fruit: predominant shape of longitudinal section	square	square

<input type="checkbox"/>	Fruit: predominant shape of cross section	angular	angular
<input type="checkbox"/>	Fruit: sination of pericarp at basal part	weak	weak
<input type="checkbox"/>	Fruit: texture of surface	smooth	smooth
<input type="checkbox"/>	*Fruit: colour at maturity	red	red
<input type="checkbox"/>	Fruit: intensity of colour at maturity	medium	medium
<input type="checkbox"/>	Fruit: glossiness	strong	strong
<input type="checkbox"/>	*Fruit: stalk cavity	present	present
<input checked="" type="checkbox"/>	Fruit: depth of stalk cavity	deep to very deep	deep
<input checked="" type="checkbox"/>	Fruit: shape of apex	rounded to depressed	depressed to strongly depressed
<input type="checkbox"/>	Fruit: depth of interloculary grooves	medium	medium to deep
<input type="checkbox"/>	*Fruit: predominant number of locules	three and four	four and more
<input type="checkbox"/>	*Fruit: thickness of flesh	thick to very thick	thick to very thick
<input type="checkbox"/>	Placenta: size	large	large
<input type="checkbox"/>	Stalk: length	medium to long	medium to long
<input type="checkbox"/>	Stalk: thickness	thick to very thick	very thick
<input type="checkbox"/>	Calyx: aspect	non enveloping	non enveloping
<input type="checkbox"/>	*Fruit: capsaicin in placenta	absent	absent
<input type="checkbox"/>	Time of: beginning of flowering	late	late
<input type="checkbox"/>	*Resistance to: Tobamovirus pathotype P0	present	present

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

No prior applications.

First sold in Australia on 30<sup>th</sup> August 2017.

Description: **David Campbell**, Monsanto Australia Limited

<b>Details of Application</b>	
<b>Application Number</b>	2018/010
<b>Variety Name</b>	'SVPB3835'
<b>Genus Species</b>	<i>Capsicum annuum</i>
<b>Common Name</b>	Sweet Pepper
<b>Synonym</b>	
<b>Accepted Date</b>	21-Feb-2018
<b>Applicant</b>	Seminis Vegetable Seeds, Inc., St. Louis, Missouri, USA
<b>Agent</b>	Monsanto Australia Limited, St. Kilda, Melbourne, Vic 3004
<b>Qualified Person</b>	David Campbell
<b>Details of Comparative Trial</b>	
<b>Location</b>	Farnsfield, Qld
<b>Descriptor</b>	UPOV TG for <i>Capsicum annuum</i> 76/8
<b>Period</b>	August-December 2018
<b>Conditions</b>	This trial was planted under a standard open field capsicum program: Heavy application of pre-plant fertilizer (700-800kg/ha), regular fertigation through drip irrigation standard insecticide and fungicide program applied (one application of inter-row herbicide 9 rows/bed 1.8m between rows). Plants spaced 25cm apart within the row. Rows covered in white plastic mulch and irrigated with trickle tape irrigation The trial was planted on shallow grey/white wallum soil. Growing conditions during the life of the trial were quite harsh. Above average temperatures throughout the growing season placed the varieties under significant stress. A significant rainfall event occurred at fruit fill, but no significant damage to the trial was exhibited.
<b>Trial Design</b>	Randomised complete block design. 3 replicates of each variety (candidates, comparators and parental lines). 20 plants of each variety was planted/replicate.
<b>Measurements</b>	All measurements in accordance with technical guidelines
<b>RHS Chart - edition</b>	2018 RHS colour chart
<b>Origin and Breeding</b>	
Controlled pollination: Pepper hybrid 'SVPB3835' (14-8T-BLK-6730) was developed by pedigree selection from an initial cross between the proprietary Seminis pepper inbred lines SBR8T14-6249 (female parent) and SBR8T14-6254 (male parent). The initial cross took place in 2014, followed by the initial F1 hybrid evaluation in 2015. 'SVPB3835' is heterozygous for the following resistance genes: <i>L1</i> gene for Tobamovirus Pathotype P0 and the <i>N</i> gene for resistance to nematode species <i>Meloidogyne incognita</i> , <i>Meloidogyne javanica</i> , and <i>Meloidogyne arenaria</i> , and the <i>Bs2</i> gene for Bacterial Leaf Spot ( <i>Xanthomonas campestris</i> pv. <i>vesicatoria</i> ) Races 0-3,7 and 8. It is homozygous for the <i>bs5</i> gene conferring resistance to Bacterial Leaf Spot ( <i>Xanthomonas campestris</i> pv. <i>vesicatoria</i> ) Races 0-10. The breeding work was conducted at the	

Seminis Research Station located in Felda, Florida, USA, under the direction of Brian Just.

The female parent line, SBR8T14-6249, was developed by pedigree selection carried out to the F8 generation from the Seminis experimental hybrid SVR 16392643. This hybrid resulted from a cross between the Seminis proprietary breeding lines “SBR-99-1326” (female parent) and “09SP 1474-01” (male parent).

“SBR-99-1326” is a green immature to red mature blocky bell pepper with yellow anthers. The line is homozygous for the *L1* gene which confers resistance to Tobamovirus Pathotypes P0. It is also homozygous for the *bs5* gene conferring resistance to Bacterial Leaf Spot (*Xanthomonas campestris* pv. *vesicatoria*) Races 0-10. The line is a medium sized, moderately branched plant. The fruit are of a medium size and have a very smooth exterior, are predominantly 4 lobed, and have a high degree of uniformity.

“09SP 1474-01” is a green immature to yellow mature blocky bell pepper that develops a short plant which produces large and extra-large fruit. The line is homozygous for the *N* gene which confers resistance to nematode species *Meloidogyne incognita*, *Meloidogyne javanica*, and *Meloidogyne arenaria*.

The male parent line, SBR8T14-6254, was developed by pedigree selection from the Seminis experimental hybrid SVR 9994604. This hybrid resulted from a cross between the Seminis proprietary breeding lines “08LB 04489-02” (female parent) and “SBR-27-477” (male parent).

“08LB 04489-02” is a medium green immature to red mature blocky bell pepper with yellow anthers. The line contains the *bs5* gene for resistance gene for Tobamovirus Pathotype P0, *Bs2* gene for resistance to Bacterial Leaf Spot (*Xanthomonas campestris* pv. *vesicatoria*) Races 0-3, 7 and 8.

“SBR-27-477” is a green immature to red mature blocky bell pepper with yellow anthers. The line is homozygous for the *Bs1* gene for Bacterial Leaf Spot (*Xanthomonas campestris* pv. *vesicatoria*) Races 0, 2 and 5. The line is characterized by prolific fruit setting and fruits that are very firm at both the green and red stages. Breeders: Brian Just, Seminis Vegetable Seeds, Inc.

**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	texture of surface	smooth
Fruit	colour at maturity	red
Fruit	colour before maturity	green
Fruit	capsaicin in placenta	absent
Calyx	aspect	non-enveloping
Plant	attitude	semi-erect

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

Name	Comments
'Warlock'	
'Maximinus'	

<b>Varieties of Common Knowledge identified and subsequently excluded</b>					
<b>Variety</b>	<b>Distinguishing Characteristics</b>		<b>State of Expression in Candidate Variety</b>	<b>State of Expression in Comparator Variety</b>	<b>Comments</b>
'Maximus'	Seed	Average Number Per Fruit	42.1	175.1	

<b>Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.</b>		
<b>Organ/Plant Part: Context</b>	<b>'SVPB3835'</b>	<b>'Warlock'</b>
<input type="checkbox"/> Plant: attitude	semi-erect	semi-erect
<input type="checkbox"/> Plant: length of stem	long	long
<input type="checkbox"/> *Plant: shortened internode	present	present
<input type="checkbox"/> Plant: number of internodes between the first flower and shortened internodes (varieties with shortened internodes only)	more than three	more than three
<input type="checkbox"/> Plant: anthocyanin colouration at level of nodes	absent or very weak	absent or very weak
<input type="checkbox"/> *Leaf: length of blade	long	long
<input type="checkbox"/> *Leaf: width	medium to broad	medium to broad
<input type="checkbox"/> Leaf: green colour	medium to dark	medium to dark
<input type="checkbox"/> Leaf: blistering	weak	weak to medium
<input type="checkbox"/> *Flower: attitude of peduncle	non-erect	non-erect
<input type="checkbox"/> *Fruit: colour before maturity	green	green
<input type="checkbox"/> Fruit: intensity of colour before maturity	medium	light to medium
<input type="checkbox"/> Fruit: attitude	drooping to strongly drooping	drooping to strongly drooping
<input checked="" type="checkbox"/> *Fruit: length	medium	medium to long
<input checked="" type="checkbox"/> Fruit: diameter	medium	large
<input type="checkbox"/> Fruit: ratio length/diameter	medium	medium
<input type="checkbox"/> *Fruit: predominant shape of longitudinal section	square	square
<input type="checkbox"/> Fruit: predominant shape of cross section	angular	angular

<input type="checkbox"/>	Fruit: sination of pericarp at basal part	weak	weak
<input type="checkbox"/>	Fruit: texture of surface	smooth	smooth
<input type="checkbox"/>	*Fruit: colour at maturity	red	red
<input type="checkbox"/>	Fruit: intensity of colour at maturity	medium	medium
<input type="checkbox"/>	Fruit: glossiness	strong	strong
<input type="checkbox"/>	*Fruit: stalk cavity	present	present
<input checked="" type="checkbox"/>	Fruit: depth of stalk cavity	medium to deep	deep
<input type="checkbox"/>	Fruit: shape of apex	rounded to depressed	depressed to strongly depressed
<input type="checkbox"/>	Fruit: depth of interloculary grooves	medium	medium to deep
<input type="checkbox"/>	*Fruit: predominant number of locules	four and more	four and more
<input type="checkbox"/>	*Fruit: thickness of flesh	thick to very thick	thick to very thick
<input type="checkbox"/>	Placenta: size	large	large
<input type="checkbox"/>	Stalk: length	medium to long	medium to long
<input checked="" type="checkbox"/>	Stalk: thickness	thick	very thick
<input type="checkbox"/>	Calyx: aspect	non enveloping	non enveloping
<input type="checkbox"/>	*Fruit: capsaicin in placenta	absent	absent
<input checked="" type="checkbox"/>	Time of: beginning of flowering	late to very late	late
<input type="checkbox"/>	*Resistance to: Tobamovirus pathotype P0	present	present

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

No prior applications and sale.

Description: **Lewis Nevin and David Campbell**, Monsanto Australia Limited

<b>Details of Application</b>		
<b>Application Number</b>	2014/319	
<b>Variety Name</b>	'Barnaby'	
<b>Genus Species</b>	<i>Festuca arundinacea</i>	
<b>Common Name</b>	Tall Fescue	
<b>Synonym</b>	Nil	
<b>Accepted Date</b>	27 Jan 2015	
<b>Applicant</b>	The Department of Primary Industries, an office of DTIRIS for and on behalf of the state of NSW, Orange, NSW and Meat & Livestock Australia, North Sydney, NSW	
<b>Agent</b>	Heritage Seeds Pty Ltd, Dandenong South, VIC	
<b>Qualified Person</b>	Allen Newman	
<b>Details of Comparative Trial</b>		
<b>Location</b>	Howlong, NSW	
<b>Descriptor</b>	Tall fescue ( <i>Festuca arundinacea</i> ) UPOV TG/39/8	
<b>Period</b>	May - December 2015	
<b>Conditions</b>	Field trial conducted at Howlong, NSW (Latitude 35.98° South, 146.63° East, Altitude approx. 150m). Soil type is a red clay loam. Fertiliser was applied at planting (100kg/ha DAP). Trials irrigated as required.	
<b>Trial Design</b>	Randomised Complete Block Design. Consisting of observation rows (2m long, 2 replicates) and plots of spaced plants (10 plants/rep, 6 replicates, 30cm between plants).	
<b>Measurements</b>	60 samples collected for measurements.	
<b>RHS Chart - edition</b>	N/A	
<b>Origin and Breeding</b>		
Controlled pollination: This variety of tall fescue is derived from three accessions of East Sardinian origin (FA005, FA008 & FA009). Spaced plants of these accessions were screened in nurseries at Barraba and Inverell NSW for three summers (2004-2006). These plants were screened for persistence, endophyte status and seasonal yield. At the end of the screening period individual plants were removed from the nurseries and were cross pollinated in a glasshouse isolation chamber in 2007. There were nine FA005 plants, two FA008 plants and six FA009 plants in the cross. The selected plants were free of endophyte. This F <sub>1</sub> population was allowed to self-pollinate in isolation bays in 2007/2008 in the field at Glen Innes and seed was harvested for the fixed F <sub>2</sub> generation. The F <sub>2</sub> plants underwent seed increase at Hamilton and Glen Innes in NSW. Breeder: Carol Harris, Department of Primary Industries, NSW.		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Head	emergence	medium
Leaf	width	medium
Tiller	density	medium
Plant	growth pattern	summer

<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>	
<b>Name</b>	<b>Comments</b>
'Hummer'	
'Jessup'	
'Advance'	

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

<b>Variety</b>	<b>Distinguishing Characteristics</b>		<b>State of Expression in Candidate Variety</b>	<b>State of Expression in Comparator Variety</b>
'Dovey'	Head	emergence	medium	very early
'AU Triumph'	Head	emergence	medium	early
'Quantum'	Head	emergence	medium	early
'Quantum II'	Head	emergence	medium	early
'Easton'	Head	emergence	medium	late
'Demeter'	Head	emergence	medium	early
'Tower'	Tiller	density	medium	very dense
'Prosper'	Plant	growth pattern	summer	winter
'Flecha'	Plant	growth pattern	summer	winter
'Fraydo'	Plant	growth pattern	summer	winter

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

<b>Organ/Plant Part: Context</b>	<b>'Barnaby'</b>	<b>'Advance'</b>	<b>'Hummer'</b>	<b>'Jessup'</b>
<input type="checkbox"/> *Ploidy:	hexaploid	hexaploid	hexaploid	hexaploid
<input type="checkbox"/> Foliage: fineness	medium	coarse	medium to coarse	medium to coarse
<input type="checkbox"/> *Leaf: intensity of green colour during vegetative growth stage	medium to dark	medium	light to medium	medium to dark
<input checked="" type="checkbox"/> *Plant: time of inflorescence emergence	medium	late	early	medium to late
<input type="checkbox"/> Plant: growth habit at inflorescence emergence	intermediate	intermediate to semi-prostrate	intermediate	intermediate
<input checked="" type="checkbox"/> Plant: natural height at inflorescence emergence	long	medium	medium	medium
<input checked="" type="checkbox"/> *Stem: length of longest stem including inflorescence	long to very long	long to very long	medium	long
<input checked="" type="checkbox"/> *Flag leaf: width	wide	medium to wide	narrow	wide
<input checked="" type="checkbox"/> Inflorescence: length	long to very long	medium to long	short	medium to long
<input checked="" type="checkbox"/> *Flag leaf: length on representative stem	long to very long	medium to long	short	medium

<b>Statistical Table</b>				
<b>Organ/Plant Part: Context</b>	<b>‘Barnaby’</b>	<b>‘Advance’</b>	<b>‘Hummer’</b>	<b>‘Jessup’</b>
<input checked="" type="checkbox"/> Flag leaf: length (mm)				
Mean	225.00	178.00	147.00	167.00
Std. Deviation	49.94	50.99	43.25	45.33
LSD/sig	21	P≤0.01	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Inflorescence: length (mm)				
Mean	382.00	288.00	208.00	288.00
Std. Deviation	52.41	46.45	36.38	38.66
LSD/sig	29	P≤0.01	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Stem: length including inflorescence (mm)				
Mean	962.00	934.00	802.00	868.00
Std. Deviation	97.70	154.72	93.03	112.82
LSD/sig	64	ns	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Flag leaf: width (mm)				
Mean	10.50	9.10	7.40	10.00
Std. Deviation	1.57	2.40	1.58	2.21
LSD/sig	1.4	ns	P≤0.01	ns

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

Nil.

Description: **Allen Newman**, Heritage Seeds Pty Ltd, Howlong, NSW.

<b>Details of Application</b>	
<b>Application Number</b>	2017/312
<b>Variety Name</b>	'Beecroft Super Tree'
<b>Genus Species</b>	<i>Melaleuca alternifolia</i>
<b>Common Name</b>	Tea Tree
<b>Synonym</b>	Nil
<b>Accepted Date</b>	20 Nov 2017
<b>Applicant</b>	Anthony Ian Marnane, Atherton, QLD
<b>Agent</b>	N/A
<b>Qualified Person</b>	Ian Paananen
<b>Details of Comparative Trial</b>	
<b>Location</b>	Atherton, QLD
<b>Descriptor</b>	National descriptor for Tea Tree ( <i>Melaleuca alternifolia</i> ) PBR MELA
<b>Period</b>	November 2017-November 2018
<b>Conditions</b>	Trial conducted in standard commercial field production conditions, plants propagated from cuttings, planted into field from pots.
<b>Trial Design</b>	6 plants per variety randomly blocked in standard commercial beds
<b>Measurements</b>	Leaf observations from 10 branches randomly picked and measurements taken from 10 of these at random. Leaf observations from largest mature leaf on a branch.
<b>RHS Chart - edition</b>	2015
<b>Origin and Breeding</b>	
<p>Open pollination: seed parent <i>Melaleuca alternifolia</i> in 1999 in Atherton, QLD. The seed parent is characterised by a medium leaf oil content. 1993: 2 Ha seedling <i>M. alternifolia</i> grown. 1998: 500 trees tested for oil quality; then reduced to 40 trees and then 10 trees based on survival and growth traits. 1999: propagated and grew (2000 each), measured yields and removed poorest performers. Best performers were grown to maturity and allowed to flower, cross pollinate and set seed. 2008: seed was collected from the best 4 trees and 4 Ha plantation subsequently established and initial selection process was repeated (500 trees assessed for yield; then 50 selected and tested for oil quality. 2012: Best 4 clones and new test plantation established. 2014: harvested and yield testing. 2016: final selection in Atherton, QLD of a single seedling '309082' based on stated selection criteria with independent verification of yield including comparison made to variety 'ATTIA B2'. Named 'Beecroft Super Tree'. Selection criteria: very high yield of oil, strong plant growth vigour and good leaf hold and survival post-harvest and all year round. Propagation: vegetative cuttings and micropropagation were found to be uniform and stable. Breeder: Anthony Ian Marnane, Atherton, QLD.</p>	

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	type	tree
Plant	width	broad
Plant	time of beginning of flowering	medium
Plant	attitude of branches	erect
Leaf	width	very narrow
Leaf	shape	linear
Leaf	variegation	absent

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

Name	Comments
'ATTIA 2B'	

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

Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
<i>M. alternifolia</i>	Leaf	oil content	high	medium	seed parent
'Variety 88'	Leaf	glaucosity	absent or very weak	medium	

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

Organ/Plant Part: Context	'Beecroft Super Tree'	'ATTIA 2B'
<input type="checkbox"/> Plant: type	tree	tree
<input type="checkbox"/> Plant: vigour	strong to very strong	strong
<input checked="" type="checkbox"/> Plant: growth habit	erect	bushy
<input checked="" type="checkbox"/> Plant: height	tall to very tall	medium
<input type="checkbox"/> Plant: width	broad	broad
<input type="checkbox"/> Plant: attitude of branches	erect	erect
<input checked="" type="checkbox"/> Plant: degree of branching	strong to very strong	medium to strong
<input type="checkbox"/> Plant: time of beginning of flowering	medium	medium
<input type="checkbox"/> Young shoot: anthocyanin colouration	medium to strong	strong
<input type="checkbox"/> Stem: degree of hairiness	absent or very low	absent or very low
<input type="checkbox"/> Leaf: length	medium	medium to long
<input type="checkbox"/> Leaf: width	very narrow	very narrow

<input type="checkbox"/> Leaf: length of petiole	very short	very short
<input type="checkbox"/> Leaf attitude	erect to semi-erect	erect to semi-erect
<input type="checkbox"/> Leaf arrangement	whorled	whorled
<input type="checkbox"/> Leaf: shape	linear	linear
<input type="checkbox"/> Leaf: shape of apex	acute	acute
<input type="checkbox"/> Leaf: shape of base	cuneate	cuneate
<input type="checkbox"/> Leaf: glaucosity	absent or very weak	absent or very weak
<input type="checkbox"/> Leaf: incision of margin	absent	absent
<input type="checkbox"/> Leaf: undulation of the margin	absent	absent
<input type="checkbox"/> Leaf: shape of cross-section	flat	flat
<input type="checkbox"/> Leaf: curvature of longitudinal axis	recurved	recurved
<input type="checkbox"/> Leaf: glossiness of upper side	very weak	very weak
<input type="checkbox"/> Leaf: presence of variegation	absent	absent
<input type="checkbox"/> Leaf: colour of immature leaf (RHS Colour Chart)	144A	144B
<input type="checkbox"/> Leaf: colour of mature leaf (RHS Colour Chart)	137A	137B
<input type="checkbox"/> Leaf: oil content	high	medium to high

### **Statistical Table**

<b>Organ/Plant Part: Context</b>	<b>'Beecroft Super Tree'</b>	<b>'ATTIA 2B'</b>
<input type="checkbox"/> Leaf: length (mm)		
Mean	22.80	23.60
Std. Deviation	2.00	3.90
LSD/sig	3.98	ns

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

Nil.

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

<b>Details of Application</b>	
<b>Application Number</b>	2016/080
<b>Variety Name</b>	'Quartz'
<b>Genus Species</b>	<i>Trifolium repens</i>
<b>Common Name</b>	White Clover
<b>Accepted Date</b>	20 Mar 2017
<b>Applicant</b>	Grasslands Innovation Ltd., C/O Grasslanz Technology Ltd, Tennent Drive, New Zealand
<b>Agent</b>	n/a
<b>Qualified Person</b>	Joy Lin
<b>Details of Comparative Trial</b>	
<b>Overseas Testing Authority</b>	New Zealand Plant Variety Rights Office
<b>Overseas Data Reference Number</b>	CLO056, Grant No. 32521
<b>Location</b>	Lincoln, New Zealand
<b>Descriptor</b>	UPOV TG/38/7
<b>Period</b>	2015-2017
<b>Conditions</b>	Centralised trials conducted on contract under the directorship of the New Zealand Plant Variety Rights Office atASUREQuality Ltd, Lincoln, New Zealand.
<b>Trial Design</b>	Spaced Plots: 6 replicates of 10 plants each with approximate plant spacing of 75cm (60 plants in total from which data is collected). Row Plots: 2 replicates of 5 metre rows, aiming for a plant density of 200 plants per metre in these rows.
<b>Measurements</b>	Measurements from all available plants.
<b>RHS Chart - edition</b>	
<b>Origin and Breeding</b>	
<p>Controlled pollination: Breeding History of Elite Breeding 2002/03 Selection B (C23879). Overviews In 1999 in Palmerston North, evaluation of 50 unencumbered breeding lines were compared with 10 control cultivar white clovers. The trial was under intensive sheep grazing management with data collected before each grazing. Selections were made late 2002 after three years trialling and crossed in the summer of 2002/03. Parentage 10 genotypes from each accession included in the polycross completed summer of 2002/03. This material had been in an evaluation trial for three years before selections were completed. Saracen - (C21316), Good winter growth, medium leaf. Trophy - (C21307), Winter active with good summer recovery, medium leaf. Waikato Dairy Ecotype - (C21737), Early flowering, medium leaf. Waikato Dairy Ecotype - (C21739), Main flowering, Small- medium leaf. Tribute - (C19757), medium -medium large leaf. Pre nucleus C25939 Nucleus C26793 (2013-14) Tried throughout NZ for persistence, yield traits and adaptability to environment.</p>	

<b>Choice of Comparators</b> 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	prominence of white leaf marks		medium to strong		
Leaf	size of median leaflet		medium		
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>					
Name			Comments		
'Grasslands Bounty'					
'Avoca'					
'Grasslands Tribute'					
'Saracen'					
'Trophy'					
<b>Varieties of Common Knowledge identified and subsequently excluded</b>					
Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Saracen'	Leaf	size	94% of Tribute	97% of Tribute	
'Trophy'	Leaf	size	94% of Tribute	104% of Tribute	

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

Organ/Plant Part: Context	'Quartz'	'Avoca'	'Grasslands Bounty'	'Grasslands Tribute'
<input type="checkbox"/> Plant: intensity of green colour	medium to dark	light to medium	medium	medium to dark
<input type="checkbox"/> Plant: density of foliage	medium	medium	medium	medium
<input checked="" type="checkbox"/> Plant: proportion of plants with cyanid glucoside	high	high	high to very high	high to very high
<input type="checkbox"/> *Plant: prominence of white leaf marks	medium to strong	weak to medium	medium to strong	medium
<input type="checkbox"/> Plant: height	medium to tall	medium to tall	medium to tall	tall
<input type="checkbox"/> Plant: width	medium to broad	medium	medium	medium to broad
<input type="checkbox"/> Plant: growth habit	intermediate	intermediate to semi-prostrate	intermediate	intermediate
<input type="checkbox"/> Inflorescence: diameter	medium	medium	medium	small to medium

<b>Statistical Table</b>				
<b>Organ/Plant Part: Context</b>	<b>'Quartz'</b>	<b>'Avoca'</b>	<b>'Grasslands Bounty'</b>	<b>'Grasslands Tribute'</b>
<input checked="" type="checkbox"/> Plant: time of flowering				
Mean	57.32	64.95	60.20	60.77
Std. Deviation	6.39	6.58	5.37	6.61
LSD/sig	4.50	P≤0.01	ns	ns
<input type="checkbox"/> Stem: internode length of stolon				
Mean	28.83	27.08	36.17	25.92
Std. Deviation	6.44	8.75	4.59	4.65
LSD/sig	4.28	ns	P≤0.01	ns
<input type="checkbox"/> Stem: thickness of stolon (mm)				
Mean	2.80	2.32	2.46	2.81
Std. Deviation	0.36	0.31	0.34	0.27
LSD/sig	0.23	P≤0.01	P≤0.01	ns
<input type="checkbox"/> Leaf: length of petiole (mm)				
Mean	82.92	93.75	87.00	63.79
Std. Deviation	21.05	27.81	15.19	15.84
LSD/sig	20.98	ns	ns	ns
<input type="checkbox"/> Leaf: thickness of petiole (mm)				
Mean	1.84	1.24	1.59	1.71
Std. Deviation	0.25	0.26	0.26	0.23
LSD/sig	0.18	P≤0.01	P≤0.01	ns
<input checked="" type="checkbox"/> Leaf: length of median leaflet (mm)				
Mean	23.42	21.78	22.57	20.08
Std. Deviation	4.11	4.43	2.63	3.79
LSD/sig	3.07	ns	ns	P≤0.01
<input type="checkbox"/> Leaf: width of median leaflet (mm)				
Mean	17.67	17.81	17.57	15.42
Std. Deviation	3.44	3.43	1.92	3.79
LSD/sig	2.44	ns	ns	ns
<input type="checkbox"/> Leaf: size of median leaflet (mm)				
Mean	429.17	390.55	401.97	316.76
Std. Deviation	151.84	138.07	81.20	125.02
LSD/sig	109.89	ns	ns	P≤0.01
<input type="checkbox"/> Leaf: ratio of length to width of median leaflet (mm)				
Mean	1.36	1.23	1.29	1.33
Std. Deviation	0.22	0.15	0.13	0.16
LSD/sig	0.09	P≤0.01	ns	ns
<input type="checkbox"/> Inflorescence: length of peduncle (mm)				
Mean	159.58	162.92	151.67	147.50

Std. Deviation	28.44	36.72	21.22	27.69
LSD/sig	33.45	ns	ns	ns
<input type="checkbox"/> Inflorescence: thickness of peduncle (mm)				
Mean	2.29	1.74	1.89	2.26
Std. Deviation	0.30	0.27	0.23	0.28
LSD/sig	0.23	P≤0.01	P≤0.01	ns

**Prior Applications and Sales:**

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
New Zealand	2015	Granted	'Quartz'

Prior Sales: Nil

Description: **Joy Lin**, Tennent Drive, New Zealand.

## GRANTS

*Actinidia chinensis*

KIWIFRUIT

### ‘RS1’<sup>Φ</sup>

Application No: 2006/311

Applicant: **Sichuan Provincial Natural Resources Institute**

Certificate No: 6181 Expiry Date: 10/09/2044.

Agent: **Crop & Nursery Services**, Macmasters Beach, NSW.

*Actinidia chinensis*

KIWIFRUIT

### ‘Skelton A19’<sup>Φ</sup>

Application No: 2009/335

Applicant: **ENZA FRUIT New Zealand International Limited**

Certificate No: 6141 Expiry Date: 26/06/2044.

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

*Allium porrum*

LEEK

### ‘Chiefton’<sup>Φ</sup>

Application No: 2018/007

Applicant: **Nunhems B.V.**

Certificate No: 6166 Expiry Date: 23/08/2039.

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

*Avena sativa*

OATS

### ‘Austin’<sup>Φ</sup> syn PAL14<sup>Φ</sup>

Application No: 2017/140

Applicant: **NDSU Research Foundation**

Certificate No: 6162 Expiry Date: 19/08/2039.

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

*Avena sativa*

OATS

**‘Brigalow’<sup>ϕ</sup> syn PAL12<sup>ϕ</sup>**

Application No: 2017/139

Applicant: **NDSU Research Foundation**

Certificate No: 6161 Expiry Date: 19/08/2039.

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

*Avena sativa*

OATS

**‘Flinders’<sup>ϕ</sup> syn PAL16<sup>ϕ</sup>**

Application No: 2017/141

Applicant: **NDSU Research Foundation**

Certificate No: 6163 Expiry Date: 19/08/2039.

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

*Avena sativa*

OATS

**‘Lavish’<sup>ϕ</sup> syn PAL13<sup>ϕ</sup>**

Application No: 2017/138

Applicant: **NDSU Research Foundation**

Certificate No: 6179 Expiry Date: 6/09/2039.

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

*Begonia hiemalis*

ELATIOR BEGONIA, WINTER-FLOWERING BEGONIA, BEGONIA-ELATIOR-HYBRIDAE

**‘KRSSUWH01’<sup>ϕ</sup>**

Application No: 2011/278

Applicant: **Koppe Royalty B.V.**

Certificate No: 6177 Expiry Date: 4/09/2039.

Agent: **Crop & Nursery Services**, Macmasters Beach, NSW.

*Brassica napus var. oleifera*

FORAGE RAPE

**‘HT-R24’<sup>ϕ</sup>**

Application No: 2015/005

Applicant: **Forage Innovations Limited**  
Certificate No: 6182 Expiry Date: 10/09/2039.  
Agent: **A J Park**, Sydney, NSW.

*Brassica rapa subsp campestris*

LEAFY TURNIP

**'HT-LT46'**<sup>ϕ</sup>

Application No: 2015/226  
Applicant: **Forage Innovations Limited**  
Certificate No: 6184 Expiry Date: 10/09/2039.  
Agent: **A J Park**, Sydney, NSW.

*Calathea lietzei*

CALATHEA

**'Fusion White'**<sup>ϕ</sup>

Application No: 2018/141  
Applicant: **Taiyan Yam**  
Certificate No: 6144 Expiry Date: 31/07/2039.  
Agent: **Highsun Express**, West Ormiston, QLD.

*Chamelaucium hybrid*

WAXFLOWER

**'Dee's Delight'**<sup>ϕ</sup>

Application No: 2017/222  
Applicant: **Goldsash Corporation Pty Ltd**  
Certificate No: 6155 Expiry Date: 6/08/2039.  
Agent: **Adrian Parsons**, Malvern, VIC.

*Chamelaucium hybrid*

WAXFLOWER

**'Nina's Delight'**<sup>ϕ</sup> syn **PWBC2**<sup>ϕ</sup>

Application No: 2017/183  
Applicant: **Nina Foulkes-Taylor**  
Certificate No: 6154 Expiry Date: 6/08/2039.

*Chamelaucium hybrid*

WAXFLOWER

**‘PWBC7’<sup>ϕ</sup> syn Supermum<sup>ϕ</sup>**

Application No: 2015/227

Applicant: **Nina Floyd Foulkes-Taylor**

Certificate No: 6152 Expiry Date: 6/08/2039.

*Chamelaucium hybrid*

WAXFLOWER

**‘Ruby's Delight’<sup>ϕ</sup> syn Ruby's Surprise<sup>ϕ</sup>**

Application No: 2016/235

Applicant: **Goldsash Corporation Pty Ltd**

Certificate No: 6153 Expiry Date: 6/08/2039.

*Chrysanthemum indicum*

**‘CHR130534-1’<sup>ϕ</sup>**

Application No: 2017/062

Applicant: **Cor Slykerman**

Certificate No: 6148 Expiry Date: 6/08/2039.

Agent: **Chrysko Flowers**, Skye, VIC.

*Chrysanthemum indicum*

**‘CHR130888-4’<sup>ϕ</sup>**

Application No: 2017/061

Applicant: **Cor Slykerman**

Certificate No: 6147 Expiry Date: 6/08/2039.

Agent: **Chrysko Flowers**, Skye, VIC.

*Chrysanthemum indicum*

**‘CHR131023-1’<sup>ϕ</sup>**

Application No: 2017/066

Applicant: **Cor Slykerman**

Certificate No: 6167 Expiry Date: 27/08/2039.

Agent: **Chrysko Flowers**, Skye, VIC.

*Chrysanthemum indicum*

**‘CHR149680-3’<sup>Φ</sup>**

Application No: 2017/068

Applicant: **Cor Slykerman**

Certificate No: 6169 Expiry Date: 27/08/2039.

Agent: **Chrysko Flowers**, Skye, VIC.

*Chrysanthemum indicum*

**‘CHR152079’<sup>Φ</sup>**

Application No: 2017/070

Applicant: **Cor Slykerman**

Certificate No: 6171 Expiry Date: 27/08/2039.

Agent: **Chrysko Flowers**, Skye, VIC.

*Chrysanthemum x morifolium*

**‘CHR140483’<sup>Φ</sup>**

Application No: 2017/071

Applicant: **Cor Slykerman**

Certificate No: 6173 Expiry Date: 28/08/2039.

Agent: **Chrysko Flowers**, Skye, VIC.

*Chrysanthemum x morifolium*

**‘CHR140987’<sup>Φ</sup>**

Application No: 2017/065

Applicant: **Cor Slykerman**

Certificate No: 6150 Expiry Date: 6/08/2039.

Agent: **Chrysko Flowers**, Skye, VIC.

*Chrysanthemum x morifolium*

**‘CHR141282’<sup>Φ</sup>**

Application No: 2017/067

Applicant: **Cor Slykerman**

Certificate No: 6168 Expiry Date: 27/08/2039.

Agent: **Chrysko Flowers**, Skye, VIC.

*Chrysanthemum x morifolium*

**‘CHR142080’<sup>Φ</sup>**

Application No: 2017/064

Applicant: **Cor Slykerman**

Certificate No: 6149 Expiry Date: 6/08/2039.  
Agent: **Chrysko Flowers**, Skye, VIC.

*Chrysanthemum x morifolium*

**‘CHR147584’<sup>ϕ</sup>**

Application No: 2017/069  
Applicant: **Cor Slykerman**  
Certificate No: 6170 Expiry Date: 27/08/2039.  
Agent: **Chrysko Flowers**, Skye, VIC.

*Correa hybrid*

CORREA

**‘OMG’<sup>ϕ</sup>**

Application No: 2016/237  
Applicant: **Peter James Ollerenshaw**  
Certificate No: 6157 Expiry Date: 7/08/2039.

*Correa hybrid*

CORREA

**‘Snowbelle’<sup>ϕ</sup>**

Application No: 2016/238  
Applicant: **Peter James Ollerenshaw**  
Certificate No: 6156 Expiry Date: 7/08/2039.

*Fragaria x ananassa*

STRAWBERRY

**‘DrisStrawFortyEight’<sup>ϕ</sup>**

Application No: 2015/275  
Applicant: **Driscoll's, Inc.**  
Certificate No: 6146 Expiry Date: 1/08/2039.  
Agent: **AJ Park**, Sydney, NSW.

*Fragaria x ananassa*

STRAWBERRY

**‘DrisStrawFortyFive’<sup>ϕ</sup>**

Application No: 2015/312

Applicant: **Driscoll's, Inc.**  
Certificate No: 6158 Expiry Date: 9/08/2039.  
Agent: **AJ Park**, Sydney, NSW.

*Fragaria x ananassa*

STRAWBERRY

**'DrisStrawFortySix'**<sup>ϕ</sup>

Application No: 2015/313  
Applicant: **Driscoll's, Inc.**  
Certificate No: 6159 Expiry Date: 9/08/2039.  
Agent: **AJ Park**, Sydney, NSW.

*Fragaria xananassa*

STRAWBERRY

**'DrisStrawFiftyThree'**<sup>ϕ</sup>

Application No: 2017/288  
Applicant: **Driscoll's, Inc.**  
Certificate No: 6145 Expiry Date: 1/08/2019.  
Agent: **AJ Park**, Canberra, ACT.

*Gossypium hirsutum*

COTTON

**'Sicot 711RRF'**<sup>ϕ</sup>

Application No: 2016/017  
Applicant: **Commonwealth Scientific and Industrial Research Organisation, Cotton Seed Distributors Ltd.**  
Certificate No: 6185 Expiry Date: 9/09/2039.

*Gossypium hirsutum*

COTTON

**'Sicot 714B3F'**<sup>ϕ</sup>

Application No: 2016/019  
Applicant: **Commonwealth Scientific and Industrial Research Organisation, Cotton Seed Distributors Ltd.**  
Certificate No: 6180 Expiry Date: 9/09/2039.

*Gossypium hirsutum*

COTTON

**‘Sicot 746B3F’<sup>ϕ</sup>**

Application No: 2016/020

Applicant: **Commonwealth Scientific and Industrial Research Organisation, Cotton Seed Distributors Ltd.**

Certificate No: 6187 Expiry Date: 9/09/2039.

*Gossypium hirsutum*

COTTON

**‘Sicot 748B3F’<sup>ϕ</sup>**

Application No: 2016/021

Applicant: **Commonwealth Scientific and Industrial Research Organisation, Cotton Seed Distributors Ltd.**

Certificate No: 6188 Expiry Date: 10/09/2039.

*Gossypium hirsutum*

COTTON

**‘Sicot 754B3F’<sup>ϕ</sup>**

Application No: 2016/022

Applicant: **Commonwealth Scientific and Industrial Research Organisation, Cotton Seed Distributors Ltd.**

Certificate No: 6189 Expiry Date: 9/09/2039.

*Gossypium hirsutum*

COTTON

**‘Sicot 812RRF’<sup>ϕ</sup>**

Application No: 2016/018

Applicant: **Commonwealth Scientific and Industrial Research Organisation, Cotton Seed Distributors Ltd.**

Certificate No: 6186 Expiry Date: 9/09/2039.

*Hibiscus rosa-sinensis*

CHINESE HIBISCUS

**‘Arionicus’<sup>ϕ</sup> syn Arion<sup>ϕ</sup>**

Application No: 2013/039

Applicant: **Poul Graff**  
Certificate No: 6175 Expiry Date: 30/08/2039.  
Agent: **Sprint Horticulture**, Erina, NSW.

*Hibiscus rosa-sinensis*

CHINESE HIBISCUS

**‘Athenacus’**<sup>ϕ</sup>

Application No: 2013/040  
Applicant: **Poul Graff**  
Certificate No: 6176 Expiry Date: 30/08/2039.  
Agent: **Sprint Horticulture**, Erina, NSW.

*Lactuca sativa*

LETTUCE

**‘FULL MOON’**<sup>ϕ</sup>

Application No: 2016/285  
Applicant: **Vilmorin**  
Certificate No: 6174 Expiry Date: 29/08/2039.  
Agent: **Shelston IP**, Sydney, NSW.

*Leucadendron hybrid*

LEUCADENDRON

**‘Platinum Cup’**<sup>ϕ</sup> **syn Silver Cup**<sup>ϕ</sup>

Application No: 2017/218  
Applicant: **The trustee for Nubloom family trust**  
Certificate No: 6151 Expiry Date: 6/08/2039.

*Lobelia pedunculata*

MATTED PRATIA

**‘Almanda Blue’**<sup>ϕ</sup>

Application No: 2015/325  
Applicant: **Wirrapunga Pty Ltd**  
Certificate No: 6191 Expiry Date: 11/09/2039.

*Nemesia*

NEMESIA

**‘Innemlitor’<sup>ϕ</sup>**

Application No: 2015/069

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

Certificate No: 6193 Expiry Date: 17/09/2039.

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

*Nemesia*

NEMESIA

**‘Innemlitva’<sup>ϕ</sup>**

Application No: 2015/070

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

Certificate No: 6194 Expiry Date: 20/09/2039.

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

*Nemesia strumosa x fruticans*

NEMESIA

**‘Innemliban’<sup>ϕ</sup>**

Application No: 2015/066

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

Certificate No: 6183 Expiry Date: 11/09/2039.

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

*Nemesia strumosa x fruticans*

NEMESIA

**‘Innemliche’<sup>ϕ</sup>**

Application No: 2015/067

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

Certificate No: 6190 Expiry Date: 11/09/2039.

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

*Nemesia strumosa x fruticans*

NEMESIA

**‘Innemlitco’<sup>ϕ</sup>**

Application No: 2015/068

Applicant: **Innovaplant Zierpflanzen GmbH & Co KG**  
Certificate No: 6192 Expiry Date: 11/09/2039.  
Agent: **Haars Nursery Pty Ltd**, Somerville, VIC.

*Oryza sativa*

RICE

**‘YRM70’<sup>ϕ</sup>**

Application No: 2016/087  
Applicant: **NSW Department of Primary Industries for and on behalf of the State of New South Wales, Rural Industries Research and Development Corporation, Ricegrowers Limited (trading as SunRice)**  
Certificate No: 6199 Expiry Date: 26/09/2039.  
Agent: **New South Wales Department of Primary Industries**, Orange, NSW.

*Pittosporum tenuifolium*

PITTOSPORUM, KOHUHU, TAWHIWHI

**‘JDPM001’<sup>ϕ</sup>**

Application No: 2016/004  
Applicant: **Patience Investments Pty Ltd as Trustees for Patience Investments Trust**  
Certificate No: 6142 Expiry Date: 22/07/2044.

*Prunus persica*

PEACH

**‘Zaisula’<sup>ϕ</sup> syn Royalpride<sup>ϕ</sup>**

Application No: 2010/087  
Applicant: **Zaiger's Inc. Genetics**  
Certificate No: 6160 Expiry Date: 16/08/2044.  
Agent: **Graham's Factree Pty Ltd**, Hoddles Creek, VIC.

*Salvia splendens x hybrid*

SAGE

**‘Insalgopur’<sup>ϕ</sup>**

Application No: 2015/236  
Applicant: **Innovaplant GmbH & Co KG**  
Certificate No: 6195 Expiry Date: 20/09/2039.  
Agent: **Aussie Winners Pty Ltd**, Redland Bay, QLD.

*Salvia splendens x hybrid*

SAGE

**‘Insalgosca’<sup>ϕ</sup>**

Application No: 2015/237

Applicant: **Innovaplant GmbH & Co KG**

Certificate No: 6196 Expiry Date: 20/09/2039.

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

*Solanum lycopersicum*

TOMATO

**‘Jungle’<sup>ϕ</sup>**

Application No: 2014/032

Applicant: **Nunhems B.V.**

Certificate No: 6164 Expiry Date: 20/08/2039.

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

*Solanum tuberosum*

POTATO

**‘Ottawa’<sup>ϕ</sup>**

Application No: 2016/229

Applicant: **EUROPLANT Pflanzenzucht GmbH**

Certificate No: 6197 Expiry Date: 20/09/2039.

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

*Solanum tuberosum*

POTATO

**‘Torino’<sup>ϕ</sup>**

Application No: 2016/195

Applicant: **IPM Potato Group Ltd**

Certificate No: 6165 Expiry Date: 22/08/2039.

Agent: **IPM Potato Group Ltd**, Littlehampton, SA.

*Vicia faba*

FIELD BEAN

**‘PBA Nanu’<sup>ϕ</sup>**

Application No: 2017/321

Applicant: **The University of Adelaide, Grains Research and Development Corporation**  
 Certificate No: 6178 Expiry Date: 4/09/2039.  
 Agent: **The University of Adelaide**, Adelaide, SA.

*Vigna unguiculata*

COWPEA

**‘MLR-023’<sup>ϕ</sup>**

Application No: 2018/018  
 Applicant: **GeneGro Pty Ltd**  
 Certificate No: 6172 Expiry Date: 28/08/2039.

*Vitis vinifera*

GRAPE VINE

**‘Sugrathirtyfour’<sup>ϕ</sup> syn SG34<sup>ϕ</sup>**

Application No: 2009/205  
 Applicant: **Sun World International LLC**  
 Certificate No: 6143 Expiry Date: 29/07/2044.  
 Agent: **Corrs Chambers Westgarth**, Melbourne, VIC.

*xTriticosecale* .

TRITICALE

**‘Cartwheel’<sup>ϕ</sup>**

Application No: 2015/337  
 Applicant: **The University of Sydney, Grains Research and Development Corporation**  
 Certificate No: 6200 Expiry Date: 27/09/2039.  
 Agent: **Shelston IP**, Sydney, NSW.

*Zoysia japonica x pacifica (syn. Zoysia japonica x tenuifolia)*

ZOYSIA GRASS

**‘BK-9’<sup>ϕ</sup>**

Application No: 2016/064  
 Applicant: **Sod Solutions, Inc.**  
 Certificate No: 6198 Expiry Date: 26/09/2039.  
 Agent: **Hi Quality Turf Pty Ltd**, Pitt Town Bottoms, NSW.

## Assignment of Rights

<b>App. No.</b>	<b>Genus</b>	<b>Species</b>	<b>Variety</b>	<b>Common Name</b>	<b>Changed From</b>	<b>Changed To</b>
2015/192	Solanum	tuberosum	Avanti	Potato	STET Holland B.V.	IPR B.V.
2003/278	Citrus	limon	3 ELS 0	Lemon	Craig Robert Pressler	Craig Robert Pressler as Trustee for C & B Pressler Family Trust; Bindi Kristine Pressler as Trustee for C & B Pressler Family Trust
2001/173	Citrus	limon	Code 7B97	Lemon	Craig Robert Pressler	Craig Robert Pressler as Trustee for C & B Pressler Family Trust; Bindi Kristine Pressler as Trustee for C & B Pressler Family Trust
2003/280	Citrus	limon	7 ELS C3	Lemon	Craig Robert Pressler	Craig Robert Pressler as Trustee for C & B Pressler Family Trust; Bindi Kristine Pressler as Trustee for C & B Pressler Family Trust
2001/172	Citrus	limon	Code 3X97	Lemon	Craig Robert Pressler	Craig Robert Pressler as Trustee for C & B Pressler Family Trust; Bindi Kristine Pressler as Trustee for C & B Pressler Family Trust
2011/213	Citrus	reticulata	AC4916	Mandarin	Craig Robert Pressler	Craig Robert Pressler as Trustee for C & B Pressler Family Trust; Bindi Kristine Pressler as Trustee for C & B Pressler Family Trust
2011/212	Citrus	reticulata	AC41114	Mandarin	Craig Robert Pressler	Craig Robert Pressler as Trustee for C & B Pressler Family Trust; Bindi Kristine Pressler as Trustee for C & B Pressler Family Trust

2011/211	Citrus	reticulata	M17B3R8TL297	Mandarin	Craig Robert Pressler	Craig Robert Pressler as Trustee for C & B Pressler Family Trust; Bindi Kristine Pressler as Trustee for C & B Pressler Family Trust
2015/296	Citrus	reticulata	ALB14R6T190	Mandarin	Craig Robert Pressler	Craig Robert Pressler as Trustee for C & B Pressler Family Trust; Bindi Kristine Pressler as Trustee for C & B Pressler Family Trust
2015/297	Citrus	reticulata	ALB2R11T52	Mandarin	Craig Robert Pressler	Craig Robert Pressler as Trustee for C & B Pressler Family Trust; Bindi Kristine Pressler as Trustee for C & B Pressler Family Trust
2001/067	Citrus	reticulata x Citrus sinensis	Code 66-75	Tangor	Craig Robert Pressler	Craig Robert Pressler as Trustee for C & B Pressler Family Trust; Bindi Kristine Pressler as Trustee for C & B Pressler Family Trust
2003/279	Citrus	limon	7 ELS 1	Lemon	Craig Robert Pressler	Craig Robert Pressler as Trustee for C & B Pressler Family Trust; Bindi Kristine Pressler as Trustee for C & B Pressler Family Trust
2016/269	Petunia	hybrida	KLEPH15313	Petunia	Nils Klemm	Klemm & Sohn GmbH & Co KG.

**Change of Applicant's Name**

<b>App. No.</b>	<b>Genus</b>	<b>Species</b>	<b>Variety</b>	<b>Common Name</b>	<b>Changed From</b>	<b>Changed To</b>
2019/144	Lupinus	angustifolius	Coyote	Narrow-Leafed Lupin	Australian Grain Technologies	Western Australian Agriculture Authority; Grains Research and Development Corporation

## Change/Nomination of Agent

App. No.	Genus	Species	Variety	Changed From	Changed To
2016/104	Rubus	idaeus	Lupita	Y.V. Fresh Pty Ltd	Perfection Fresh Australia Pty Ltd
2016/105	Rubus	idaeus	Adelita	Y.V. Fresh Pty Ltd	Perfection Fresh Australia Pty Ltd
2011/034	Syzygium	francisii	DBK01	Ozbreed Pty Ltd	
2014/143	Solanum	tuberosum	Columba	Harvest Moon, Forth Farm Produce Pty Ltd	Forth Farm Investments Pty Ltd
2015/193	Solanum	tuberosum	Flamenco	Harvest Moon, Forth Farm Produce Pty Ltd	Forth Farm Investments Pty Ltd
2016/009	Solanum	tuberosum	Orlena	Harvest Moon, Forth Farm Produce Pty Ltd	Forth Farm Investments Pty Ltd
2014/142	Solanum	tuberosum	Evora	Harvest Moon, Forth Farm Produce Pty Ltd	Forth Farm Investments Pty Ltd
2016/281	Solanum	tuberosum	Celandine	Harvest Moon, Forth Farm Produce Pty. Ltd.	Forth Farm Investments Pty Ltd
2018/224	Solanum	tuberosum	Rosi	Forth Farm Produce Pty Ltd trading as harvest Moon	Forth Farm Investments Pty Ltd
2012/026	Solanum	tuberosum	Ivory Russet	Forth Farm Produce Pty Ltd trading as harvest Moon	Forth Farm Investments Pty Ltd
2001/078	Solanum	tuberosum	Innovator	Harvest Moon	Forth Farm Investments Pty Ltd
2008/088	Solanum	tuberosum	MOZART	Harvest Moon	Forth Farm Investments Pty Ltd
2010/017	Solanum	tuberosum	Taurus	Harvest Moon Pty Ltd	Forth Farm Investments Pty Ltd
2010/013	Solanum	tuberosum	Neptune	Harvest Moon Pty Ltd	Forth Farm Investments Pty Ltd
1996/197	Solanum	tuberosum	Royal Blue	Harvest Moon	Forth Farm Investments Pty Ltd

	Solanum	tuberosum	2003/300	Harvest Moon Pty Ltd	Forth Farm Investments Pty Ltd
2010/020	Solanum	tuberosum	Sifra	Harvest Moon, Forth Farm Produce Pty. Ltd.	Forth Farm Investments Pty Ltd
2003/301	Solanum	tuberosum	Rodeo	Harvest Moon Pty Ltd	Forth Farm Investments Pty Ltd
2016/182	Solanum	tuberosum	Panamera	Harvest Moon, Forth Farm Produce Pty. Ltd.	Forth Farm Investments Pty Ltd
2015/009	Solanum	tuberosum	Sunita	Harvest Moon, Forth farm Produce Pty. Ltd.	Forth Farm Investments Pty Ltd
2015/191	Solanum	tuberosum	Gioconda	Harvest Moon, Forth farm Produce Pty. Ltd.	Forth Farm Investments Pty Ltd
2015/192	Solanum	tuberosum	Avanti	Harvest Moon, Forth farm Produce Pty. Ltd.	Forth Farm Investments Pty Ltd
2012/024	Solanum	tuberosum	Canberra	Forth Farm Produce Pty Ltd trading as harvest Moon	Forth Farm Investments Pty Ltd

## Denomination Changed

<b>Application No.</b>	<b><i>Genus</i></b>	<b><i>Species</i></b>	<b>Common Name</b>	<b>Changed From</b>	<b>Changed To</b>
2019/139	Vicia	faba	Field Bean	AF11023	PBA Amberley
2019/137	Lens	culinaris		CIPAL1621	PBA HighlandXT

## Synonym Changed/ Added

App. No.	Genus	Species	Variety	Common Name	Synonym Changed From	Synonym Changed To
2014/326	Ficus	elastica	MALOF004	India Rubber Tree	Aussie Pride	Lime Splice
2019/139	Vicia	faba	PBR Amberley	Field Bean		Amberley
2019/137	Lens	culinaris	PBA HighlandXT			HighlandXT, Highland

## Applications Withdrawn

The following varieties are no longer under PBR provisional protection

<b>App. No.</b>	<b>Genus</b>	<b>Species</b>	<b>Common Name</b>	<b>Variety</b>
2008/348	Prunus	salicina	Japanese Plum	MJ 505.06
2012/266	Prunus	salicina	Japanese Plum	MJ 511.10
2009/211	Prunus	salicina	Japanese Plum	MJ 509.03
2008/347	Prunus	salicina	Japanese Plum	ST 504.02
2012/265	Prunus	salicina	Japanese Plum	MJ 511.03
2012/267	Prunus	salicina	Japanese Plum	MJ 512.01
2012/268	Prunus	salicina	Japanese Plum	MJ 511.09
2014/221	Vitis	vinifera	Grape vine	Arraeleven
2014/224	Vitis	vinifera	Grape vine	Arrasixteen
2016/199	Malus	domestica	Apple	ANABP 05
2010/261	Malus	domestica	Apple	MJ 809.14
2018/138	Rosa	hybrid	Rose	AUSHERBERT
2016/249	Lorapetalum	chinense	Chinese Fringe Flower	Flame'nGorgeous
2018/203	Armeria	pseudarmeria	Thrift	Dreamboat
2018/210	Lactuca	sativa	Lettuce	Spoonbill
2011/105	Callistemon	viminalis	Bottlebrush	CC06
2015/046	Glycine	max	Soybean	Canning

**Grants Surrendered**

<b>App. No.</b>	<b>Genus</b>	<b>Species</b>	<b>Variety</b>	<b>Synonym</b>	<b>Common Name</b>
2009/360	Rosa	rugosa hybrid	Morningstar Estate		Rugosa Rose
2003/232	Avena	sativa	Kangaroo		Oats
1999/028	Chichorium	intybus	INIA Le Lacenta		Chicory
2013/309	Cucumis	melo	284HQ		Melon
2013/096	Lactuca	sativa	Flambine		Lettuce
2011/194	Brassica	napus	AV-Zircon		Canola
2004/020	Hordeum	vulgare	Capstan		Barley
2015/139	Hordeum	vulgare	ShineStar		Barley
2006/317	Ozothamnus	diosimifolius	Radiance		Riceflower
1999/285	Medicago	sativa	Venus		Lucerne
2007/039	Lolium	perenne	Alto		Lucerne
2014/167	Lomandra	longifolia	Lompet1		Spiny Headed Mat Rush
2010/282	Helleborus	hybrid	WinterSunshine		Winter Rose
2012/110	Hordeum	vulgare	SouthernStar		Barley
2015/010	Hardenbergia	violacea	Rambosea		False Sarsparilla
2013/047	Mandevilla	hybrida	Alegnuflor704	SoBurgundy	Mandevilla
2014/169	Hordeum	vulgare	MEA 04053-099		Barley
2015/025	Arachis	hypogaea	CP99		Peanut
2011/024	Correa	sp	Peter Sutton		Correa
2011/267	Anigozanthos	hybrid	KLEAC11211	Kinga Sun Yellow	Kangaroo Paw
2011/268	Anigozanthos	hybrid	KLEAC11212	Kinga The Wiz	Kangaroo Paw
2011/269	Anigozanthos	hybrid	KLEAC11213	Kinga Oracle	Kangaroo Paw
2011/333	Solanum	lycopersicum	RED LUCK		Tomato
2007/334	Helleborus	hybrid	Walhelivor	Ivory Prince	Winter Rose
1999/104	Schlumbergera	truncata	Sunburst Fantasy		Christmas Cactus
2007/010	Cordyline	hybrid	Tara	Renegade	Cordyline
2009/340	Scaevola	aemula	Bonscalib		Fanflower
2012/148	Rubus	idaeus	Autumn Treasure		Raspberry
2004/073	Aglaonema	hybrid	Golden Sands		Aglaomena
1998/217	Bougainvillea	hybrid	Solar Flare		Bougainvillea

## Grants Expired

The following varieties are no longer under PBR protection:

<b>App. No.</b>	<b><i>Genus</i></b>	<b><i>Species</i></b>	<b>Common Name</b>	<b>Variety</b>
1997/344	Gossypium	hirsutum	Cotton	DELTAEMERALD
1997/343	Gossypium	hirsutum	Cotton	DELTAOPAL
1997/180	Solanum	tuberosum	Potato	RED RASCAL
1997/142	Anigozanthos	rufus	Kangaroo Paw	KINGS PARK FEDERATION FLAME
1996/280	Rosa	hybrid	Rose	WEKAMANDA
1996/279	Rosa	hybrid	Rose	JACLAF

## Grants Revoked

The following varieties are no longer under PBR protection

App No.	Genus	Species	Variety	Synonym	Common Name
2007/204	Syzygium	australe	SUNSET		Lilly Pilly
2009/150	Citrus	reticulata	G-6		Mandarin
2011/309	Solanum	tuberosum	MissBlush		Potato
2012/072	Solanum	tuberosum	VR 808		Potato
2003/269	Vitis	vinifera	I10V1-S		Grape vine
2014/175	Lactuca	sativa	Dabi		Lettuce
1998/109	Murraya	paniculata var ovatifoliata	MIN-A-MIN		Mock Orange
2005/045	Phormium	tenax	Veneer		New Zealand Flax
1997/049	Vitis	vinifera	White Cabernet Sauvignon		Grape vine
1999/245	Vitis	vinifera	Bronze Cabernet	Malian	Grape vine
1997/266	Ficus	benjamina	MIKKIE	BUSHY PRINCE	Weeping Fig
1997/267	Ficus	benjamina	MAROLE	BUSHY KING	Weeping Fig
2001/018	Zoysia	matrella	Cavalier		Manila Grass
2001/086	Malus	domestica	Brak		Apple
2001/200	Zoysia	matrella	Facet		Manila Grass
1998/152	Mandevilla	sanderi	Guinevere		Mandevilla
2007/100	Actinidia	chinensis	S600		Kiwifruit
1997/239	Lithodora	diffusa	Star		Lithodora

## Corrigenda

Potato

*Solanum tuberosum*

'Evora'

Application No: 2014/142

Details of Comparative Trial table of the published description (PVJ Vol. 30.4) should be read as:

<b>Details of Comparative Trial</b>	
<b>Location</b>	Solan, Waikerie, SA,
<b>Descriptor</b>	TG/23/6
<b>Period</b>	Oct 2016 - January 2017
<b>Conditions</b>	Standard glass house conditions for growing potato mintubers
<b>Trial Design</b>	Planted 60 plants each of candidate and comparator varieties in a block design.
<b>Measurements</b>	Measurements were taken in the metric system
<b>RHS Chart - edition</b>	N/A

Potato

*Solanum tuberosum*

'Sunita'

Application No: 2015/009

In the Trial design section of the Details of Comparative Trial table should be read as: "60 plants each of candidate and comparator varieties were planted in a block design."

Lettuce

*Lactuca sativa*

'QUECHUA'

Application Number 2014/196

Choice of Comparators, Most Similar Varieties of Common Knowledge identified (VCK) and Details of Comparative Trial table of the published description (PVJ Vol. 30.2) should be read as:

<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Seed	colour	white
Leaf	anthocyanin coloration	absent
Plant	Time of beginning of bolting	late or very late
Plant	resistance to <i>Bremia lactucae</i> (Bl) Isolate Bl:16	present
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
'Qualif'		

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

<b>Organ/Plant Part: Context</b>	<b>'QUECHUA'</b>	<b>'Qualif'</b>
<input type="checkbox"/> *Seed: colour	white	
<input type="checkbox"/> *Seedling: anthocyanin colouration	absent	
<input type="checkbox"/> Seedling: size of cotyledon	small to medium	
<input type="checkbox"/> Seedling: shape of cotyledon	medium elliptic	
<input type="checkbox"/> Leaf: attitude at 10-12 leaf stage	semi-erect	
<input type="checkbox"/> Leaf blade: division	lobed	
<input type="checkbox"/> *Plant: diameter	very large	
<input type="checkbox"/> *Plant: head formation	open head	
<input type="checkbox"/> Head: density	medium to dense	
<input type="checkbox"/> Head: size	medium to large	
<input type="checkbox"/> *Head: shape in longitudinal section	broad elliptic	
<input type="checkbox"/> Leaf: thickness	medium	
<input type="checkbox"/> Leaf: attitude at harvest maturity	horizontal	
<input type="checkbox"/> *Leaf: shape	narrow elliptic	
<input type="checkbox"/> Leaf: shape of tip	obtuse	
<input type="checkbox"/> *Leaf: hue of green colour of outer leaves	absent	yellowish
<input checked="" type="checkbox"/> *Leaf: intensity of colour of outer leaves	medium	light
<input type="checkbox"/> *Leaf: anthocyanin colouration	absent	
<input type="checkbox"/> Leaf: glossiness of upper side	medium	
<input type="checkbox"/> *Leaf: blistering	medium to strong	
<input type="checkbox"/> Leaf: size of blisters	medium	
<input type="checkbox"/> *Leaf blade: degree of undulation of margin	medium	
<input type="checkbox"/> Leaf blade: incisions of margin on apical part	present	
<input type="checkbox"/> *Leaf blade: depth of incisions on margin on apical part	medium	
<input type="checkbox"/> Leaf blade: density of incisions on margin on apical part	dense	

<input type="checkbox"/> Leaf blade: type of incisions on apical part (varieties with shallow incisions on margin on apical part only)	sinuate	
<input type="checkbox"/> Leaf blade: venation	flabellate	
<input type="checkbox"/> Axillary: sprouting	absent or very weak	
<input type="checkbox"/> Time of: harvest maturity	early	
<input type="checkbox"/> *Time of: beginning of bolting under long day conditions	medium to late	
<input type="checkbox"/> Plant: height	medium	
<input type="checkbox"/> Plant: fasciation	present	
<input type="checkbox"/> Plant: intensity of fasciation	weak	
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate Bl:2	present	
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate Bl:5	present	
<input type="checkbox"/> *Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate Bl:16	present	
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate Bl:18	present	
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate Bl:20	present	
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate Bl:21	present	
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate Bl:22	present	
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate Bl:23	present	
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate Bl:24	present	
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate Bl:25	present	
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate Bl: 26	present	
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate Bl:27	absent	
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate Bl:7	present	

<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:12	present	
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:14	present	
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:15	present	
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:17	present	
<input type="checkbox"/> Resistance to: lettuce mosaic virus (LMV) Strain Ls 1	present	
<input type="checkbox"/> Resistance to: <i>Nasonovia ribisnigri</i> biotype Nr:0	present	

Pear

*Pyrus communis*

‘Rullo Special 2’

2008/142

Claims for distinctness (tick mark) removed from the following characteristics in the “Variety Description and Distinctness table” (published PVJ 29.4) - One-year-old shoot: growth, \*One-year-old shoot: position of vegetative bud in relation to shoot, Shoot: location of flower, Fruit: hue of over colour and \*Fruit: relief of area around eye. These characteristics do not meet the PBR distinctness standards.

Kiwifruit

*Actinidia chinensis*

**‘AC1536’**

Application Number: 2018/369

The joint applicant’s name Alma Mater Studiorum-Universita di Bologna was omitted from the detailed description published in PVJ 31.4. The applicant’s name in the detailed description should read as:

Universita Degli Studi di Udine; Alma Mater Studiorum-Universita di Bologna.

Macadamia

*Macadamia integrifolia*

**‘MCT1’**

Application Number: 2017/095

Claims for distinctness (tick mark) removed from the following characteristics in the “Variety Description and Distinctness table” and “Statistical Table” (published PVJ 31.4): Leaf blade: shape of apex excluding tip, Leaf blade: undulation of margin, Shell: conspicuousness of suture, Leaf: number of spines on margin (spines/leaf), Shell: nut-in-shell weight (g). These characteristics do not meet the PBR uniformity standards.



Australian Government  
IP Australia

## Appendices

The appendices to *Plant Varieties Journal* (**Vol. 32 Issue 3**) are listed below:

- [Home](#)
- [Appendix 1 - Index of Accredited Consultant 'Qualified Persons'](#)
- [Appendix 2 - Index of Accredited Non-Consultant 'Qualified Persons'](#)
- [Appendix 3 - Centralised Testing Centres](#)
- [Appendix 4 - Report on Breeding issues](#)
- [Appendix 5 - Requirement to supply 'Comparative varieties'](#)
- [Appendix 6 - 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 the directory of consultant QPs

**Appendix 2 - Index of Accredited Non-Consultant Qualified Persons**

<b>LAST NAME</b>	<b>CONTACT NAME</b>
Andrews	Samantha
Ansari	Omid
Bartley	Megan
Berryman	Pamela
Box	Amanda
Brown	Emma
Brunt	Charlotte
Bunker	Kerry
Bunker	John
Cameron	Nick
Campbell	David
Cecil	Andrew
Chesher	Wayne
Clayton-Greene	Kevin
Clingeffer	Peter
Cogan	Noel
Collins	David
Connolly	Karen
Costin	Russell
Coventry	Stewart
Cowling	Wallace
Culvenor	Richard
Danzey	Jaimee
Davey	Timothy
De Barro	James
Dewar	Matthew
Dilag	Calixto
Downe	Graeme
Eyles	Gary
Fitzgibbon	John
Flattery-O'Brien	Jacinta
Fleming	Rebecca
Gaudion	Jenny
Gillies	Leanne
Gonzalez	Moises
Graetz	Darren
Gray	John
Gunther	Tom
Hobson	Kristy
Hoppo	Suzanne
Howie	Jake
Hussein	Shafiya
Jewell	Larry
Jobling	Philip Norman
Jupp	Noel
Kaehne	Ian
Katz	Mark

Kebblewhite	Tony
Kretschmar	Tobias
Lacey	Kevin
Laker	Richard
Leddin	Anthony
Lee	Jodie
Lee Chang	Kim
Lewis	Hartley
Lewthwaite	Stephen
Lonergan	Paul
Lowe	Russell
March	Timothy
Materne	Michael
Matic	Rade
Matthews	Michael
Moisander	Jennifer
Moody	David
Myors	Philip
Newman	Allen
O'Leary	Finbarr
Pandey	Babu
Paull	Jeff
Peck	David
Pegg	Amelia
Pidgeon	Mark
Pike	Elise
Pike	David
Porter	Gavin
Pressler	Craig
Rankin	Grant
Rayner	Kenneth
Real	Daniel
Roake	Jeremy
Russell	Dougal
Sanewski	Garth
Schreuders	Harry
Senior	Michael
Shoaib	Mirza
Smith	Chris
Smith	Leigh
Smith	Malcolm
Snell	Peter
Snelling	Cath
Song	Leonard
Sounness	Janine
Stewart	Anthony
Stiller	Warwick
Tabah	David
Thomas	Adam
Todd	Peter

Turner	Janice
Turpin	Susanna
Walker	Carol
Watson	David
Wei	Xianming
Williams	Michelle
Wilson	Stephen
Winter	Bruce
Wirthensohn	Michelle
Wright	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 growings. An authorised establishment will be known as Centralised Test Centre (CTC).

Usually, the implementation of PBR in Australia relies on a 'breeder testing' system in which the applicant, in conjunction with a nominated Qualified Person (QP), establishes, conducts and reports a comparative trial. More often than not, trials by several breeders are being conducted concurrently at different sites. This makes valid comparisons difficult and often results in costly duplication.

While the current system is and will remain satisfactory, other optional testing methods are 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.

The use of CTCs recognises the advantages of testing a larger number of candidate varieties (with a larger number of comparators) in a single comprehensive trial. Not only is there an increase in scientific rigour but also there are substantial economies of scale and commensurate cost savings. A CTC will establish, conduct and report each trial on behalf of the applicant.

The PBR office has amended its fees so that cost savings can be passed to applicants who choose to test their varieties in a CTC. Accordingly, when 5 or more candidate varieties of the same genus are tested simultaneously, each will qualify for the CTC examination fee of \$920. This is a saving of more than 40% over the normal fee of \$1610.

Trials containing less than 5 candidate varieties capable of being examined simultaneously will not be considered as Centralised test trials regardless of the authorisation of the facility. Candidate varieties in non-qualifying small trials will not qualify for CTC reduction of examination fees.

Establishments wishing to be authorised as a CTC may apply in writing to the PBR office outlining their claims against the selection criteria. Initially, only one CTC will be authorised for each genus. Exemptions to this rule can be claimed due to special circumstances, industry needs and quarantine regulations. Authorisations will be reviewed periodically 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 ASA 'CENTRALISED TESTING CENTRE'

Establishments interested in gaining authorisation as a Centralised Testing Centre should apply in writing addressing each of the Conditions and Selection Criteria outlined below.

#### Conditions and Selection Criteria

To be authorised as a CTC, the following conditions and criteria will need to be met:

##### Appropriate facilities

While in part determined by the genera being tested, all establishments must have facilities that allow the conduct and completion of moderate to large-scale scientific experiments without undue environmental influences. Again dependent on genera, a range of complementary testing and propagation facilities (e.g. outdoor, glasshouse, shadehouse, tissue culture stations) is desirable.

##### Experienced staff

Adequately trained staff, and access to appropriately accredited Qualified Persons, with a history of successful PVR/PBR applications will need to be available for all stages of the trial from planting to the presentation of the

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 may be 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 a national genetic resource centre in perpetuity will be favoured.

#### Contract testing for 3rd Parties

Unless exempted in writing by the PBR office operators of a CTC must be prepared to test varieties submitted by a third party.

#### Relationship between CTC and 3rd Parties

A formal arrangement between the CTC and any third party including fees for service will need to be prepared and signed before the commencement of the trial. It will include among other things: how the plant material will be delivered (e.g. date, stage of development plant, condition etc); allow the applicant and/or their agent and QP access to the site during normal working hours; and release the use of all trial data to the owners of the varieties included in the trial.

#### One trial at a time

Unless exempted in writing by the PBR office, all candidates and comparators should be tested in a single trial.

#### One CTC per genus

Normally only one CTC 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. Any special conditions are also listed.

Name	Location	Approved Genera	Facilities	Name of QP	Date of accreditation	Next review date
Bureau of Sugar Experiment Stations	Cairns, Tully, Ingham, Ayr, Mackay, Bundaberg, Brisbane, QLD	<i>Saccharum</i>	Field, glasshouse, tissue culture, pathology	G Piperidis	30/06/1997	1/08/2019
Protected Plant Promotions	Macquarie Fields, NSW	New Guinea Impatiens including <i>Impatiens hawkeri</i> and its hybrids	Glasshouse	I. Paananen	30/09/1998	1/08/2019
Protected Plant Promotions	Macquarie Fields, NSW	Verbena	Glasshouse	I. Paananen	31/12/1998	1/08/2019
Paradise Plants	Kulnura, NSW	<i>Camellia</i> , <i>Lavandula</i> , <i>Osmanthus</i> , <i>Ceratopetalum</i>	Field, glasshouse, shadehouse, irrigation, tissue culture lab	J Robb	31/12/1998	1/08/2019
Prescott Roses	Berwick, VIC	<i>Rosa</i>	Field, controlled environment greenhouses	C Prescott	31/12/1998	1/08/2019
Paradise Plants	Kulnura, NSW	<i>Limonium</i> ,	Field, glasshouse,	J. Robb	30/06/2000	1/08/2019

		<i>Raphiolepis</i> <i>Eriostemon</i> <i>Lonicera</i> , <i>Jasminum</i>	shadehouse, irrigation, tissue culture lab			
Turf Australiat	Cleveland,QLD	<i>Cynodon</i> , <i>Zoysia</i> and other selected warm season- season turf and amenity species	Field,glasshouse, irrigation, tissue culture lab	M. Roche	30/09/2000	1/08/2019
Buchanan's Nursery	Hodgsonvale, QLD	<i>Prunus</i>	Outdoorfacilities including a collection of 90 varieties of common knowledge.	P. Buchanan	31/12/2004	1/08/2019
Ramm Botanicals	Kangy Angy, NSW	<i>Anigozanthos</i>	Tissueculture, environment controlled greenhouse; extensiveoutdoor andshadehouse areas.	Megan Bartley	10/02/2012	1/08/2019
Solan Pty Ltd	WaikerieSA	<i>Solanum</i> <i>tuberosum</i>	Tissueculture, plasticcovered nursery, refrigerated storage;experience withcomparator growingtrials	J. Fennell	10/01/2013	1/08/2019
GeneGro Pty and V & CM Zorin	Birkdale, QLD	<i>Desmanthus</i>	Irrigated field trial areas; laboratory and related equipment; access to dryers and heated glasshouse.	D. Loch, M. Zorin	22/07/2014	1/08/2019
TahuneFields Nursery	Huon Valley Southern Tasmania	PomeFruit	Comprehensive equipmentand facilities for large scalepropagation, growing, conditioning, storage,marketing andtransport	G. Brown	12/03/2015	1/08/2019
Agronico TechnologyPty Ltd	Leith, TAS	<i>Solanum</i> <i>tuberosum</i>	Access to tissue culture storage and minituber production facilities (VICSPA accredited),for storing and multiplying varieties in preparationfor testing.	Stewart McKay, James Hills	7/4/2016	1/08/2019
G Crumpton & Sons & Co Pty Ltd	Crawford, QLD	<i>Duboisia</i>	Comprehensive growing facilities	D. Loch	13/12/2016	13/12/2019

GeneGro Pty Ltd	Birkdale, QLD	<i>Lablab purpureus</i> <i>Zoysia</i> spp.	Irrigated field trial areas; laboratory and related equipment; access to dryers and heated glasshouse.	D. Loch, M. Zorin	13/12/2016	13/12/2019
Driscolls Australia Pty Ltd	Palmwoods, QLD	<i>Fragaria</i> spp., <i>Vaccinium</i> spp., <i>Rubus</i> spp.	Irrigated field trial areas, laboratory facilities, glasshouse	M. Zorin	13/12/2016	13/12/2019
Aussie Winners Pty Ltd	Redland Bay, QLD	<i>Fuchsia</i>	Comprehensive growing facilities	I. Paananen	28/02/2017	28/02/2020
GrapeCo Pty Ltd	South Merbein, VIC	<i>Vitis vinifera</i> (Table Grape only)	Drip irrigation. Cool rooms are being installed.	A. MacGregor	28/02/2017	28/02/2020
Schreurs Australia Pty Ltd	Leppington, NSW	<i>Rosa</i>	Comprehensive growing facilities	I. Paananen	26/4/2017	26/4/2020
Australian Horticultural Services	Wonga Park, VIC	<i>Lavandula</i>	Indoor growing areas, Outdoor growing areas	M. Lunghusen	19/12/2018	19/12/2020
ChrysoFlowers	Skye, VIC	<i>Chrysanthemum</i>	Controlled environment glasshouse	C. Prescott	12/6/2019	12/6/2021

The following application(s) are pending:

Name	Location	Genera applied for	Facilities	Name of QP
Haar's Nursery	Somerville, VIC	<i>Erysimum</i> , <i>Impatiens</i> ** <i>Nemesia</i>	Propagation greenhouses; indoor and outdoor growing areas	M. Lunghusen

\*\* = Please note that these organisations have been requested to submit a special case based on technical reasons and other grounds to allow an additional CTCs to be accredited for the genera in question. Accordingly, publication of their pending application does not infer that any decision regarding accreditation has been made at this time.

Comments (for or against) either the continued accreditation of a CTC or applications to become a CTC are invited. Written comments are confidential and should be addressed to:

Chief of PBR  
Plant Breeder's Rights Office  
IP Australia  
PO Box 200  
Woden, ACT 2606

Closing date for comment: 3 months from the date of this publication

#### **Appendix 4 - Report on Breeding Issues**

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

## Appendix 5 - Requirement to Supply 'Comparative Varieties'

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

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

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

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

## **APPENDIX 6**

### **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 from the [PBR search website](#). A copy of an entry in the Register may be purchased by contacting [pbr@ipaustralia.gov.au](mailto:pbr@ipaustralia.gov.au).



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