



Australian Government
IP Australia

Plant Breeder's Rights



Plant Varieties Journal

Official Journal of Plant Breeder's Rights Office

Volume 38 Number 1

ISSN: 1030-9748

Date of Publication: 26 June 2025



Australian Government
IP Australia

This part of the Plant Varieties Journal provides public notices on Acceptances, Variety Descriptions, Grants and Variations etc. The Public Notices of Plant Varieties Journal (Volume 38 Number 1) are listed below:

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Acceptances

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

Application Number	Variety Name	Common Name	Synonym	Genus	Species	Applicant(s)	Acceptance Date
2025/064	DrisBlueTwentySix	Blueberry	Not Applicable	<i>Vaccinium</i>	<i>corymbosum</i>	DRISCOLL'S, INC.	22/05/2025
2025/038	AMALDA	Lettuce	Not Applicable	<i>Lactuca</i>	<i>sativa</i>	Nunhems B.V.	17/04/2025
2025/041	Plared 15121	Strawberry	Not Applicable	<i>Fragaria</i>	<i>x ananassa</i> <i>Duchesne ex</i> <i>Rozier</i>	Plantas de Navarra S.A.	17/04/2025
2024/201	SB300	Japanese Boxwood	Freedom	<i>Buxus</i>	<i>microphylla</i> var. <i>Japonica</i>	SAUNDERS GENETICS LLC	17/04/2025
2024/203	SB108	Japanese Boxwood	Independence	<i>Buxus</i>	<i>microphylla</i> var. <i>Japonica</i>	SAUNDERS GENETICS LLC	18/03/2025
2025/049	TH-1993	Blueberry	Tropical Blue	<i>Vaccinium</i>	<i>corymbosum</i>	University of Georgia Research Foundation, Inc.	01/05/2025
2024/156	ALY19004	Lilac Hibiscus	Southern Gem	<i>Alyogyne</i>	<i>huegelii</i>	Ian Shimmen	05/05/2025
2025/031	S3301	Sesame	Not Applicable	<i>Sesamum</i>	<i>indicum</i>	Sesaco Corporation	25/03/2025
2025/017	RUBYCUT	Lettuce	Not Applicable	<i>Lactuca</i>	<i>sativa</i>	Vilmorin-Mikado	07/04/2025
2025/013	PGSL001	Matt Rush	Not Applicable	<i>Lomandra</i>	<i>confertifolia</i> <i>subsp rubiginosa</i>	Liam Barfoot	18/03/2025
2024/277	LO1814E	Tea Tree	Not Applicable	<i>Leptospermum</i>	<i>hybrid</i>	Manuka BioScience Australia	19/05/2025
2024/272	Prim 41	Sweet Cherry	F 051	<i>Prunus</i>	<i>avium</i> L.	Cerasina GmbH	25/03/2025
2025/050	DwAgHybPi	African lily	Not Applicable	<i>Agapanthus</i>	<i>hybrid</i>	De Wet Plant Breeders	21/05/2025
2025/057	CAPIROSSI	Capsicum	Not Applicable	<i>Capsicum</i>	<i>annuum</i>	Rijk Zwaan Zaadteelt en Zaadhandel B.V.	08/05/2025
2025/024	Marshall	Subterranean clover	Not Applicable	<i>Trifolium</i>	<i>subterraneum</i> <i>ssp</i> <i>brachycalycinum</i>	Minister for Primary Industries and Regional Development (Acting through the South Australian	19/03/2025

						Research and Development Institute)	
2025/026	Erupt	Annual Ryegrass	Not Applicable	<i>Lolium</i>	<i>multiflorum</i>	Valley Seeds Proprietary Limited	10/04/2025
2025/048	IB 111-1	Bindweed	Not Applicable	<i>Convolvulus</i>	<i>sabatius</i>	PLANT GROWERS AUSTRALIA PTY. LTD.	04/04/2025
2024/271	Prim 25	Sweet Cherry	C 061	<i>Prunus</i>	<i>avium L.</i>	Cerasina GmbH	25/03/2025
2025/044	AGV1017	Mung Bean	Not Applicable	<i>Vigna</i>	<i>radiata</i>	AgriVentis Technologies	29/04/2025
2025/042	Plared 15105	Strawberry	Not Applicable	<i>Fragaria</i>	<i>x ananassa Duchesne ex Rozier</i>	Plantas de Navarra S.A.	17/04/2025
2024/185	Aurorakarima	Strawberry	Not Applicable	<i>Fragaria</i>	<i>x ananassa</i>	Mattivi Breeding S.S.	24/04/2025
2025/006	KILABARON	White Cabbage	Not Applicable	<i>Brassica</i>	<i>oleracea L. convar. capitata (L.) Alef. var. alba DC.</i>	Syngenta Crop Protection AG	03/03/2025
2025/072	CIVM49	Apple	Not Applicable	<i>Malus</i>	<i>domestica</i>	C.I.V. - Consorzio Italiano Vivaisti - Società Consortile a r.l.	22/05/2025
2025/014	Flavourmax	Apricot	Not Applicable	<i>Prunus</i>	<i>armeniaca</i>	Andrew Granger	14/03/2025
2025/063	AGT-Carnac	Bread wheat	Not Applicable	<i>Triticum</i>	<i>aestivum</i>	AUSTRALIAN GRAIN TECHNOLOGIES PTY LTD	20/05/2025
2024/195	Silver Dawn	Grevillea	Not Applicable	<i>Grevillea</i>	<i>lavandulacea x G. lanigera</i>	REDLEMS Trust	09/04/2025
2025/030	S57B	Sesame	Not Applicable	<i>Sesamum</i>	<i>indicum</i>	Sesaco Corporation	24/03/2025
2025/043	CRUICKSHANK	Peanut or Groundnut	Not Applicable	<i>Arachis</i>	<i>hypogaea</i>	Peanut Company of Australia Ltd, Grains Research and Development Corporation, Agri-Science	19/05/2025

						Queensland, Queensland Department of Primary Industries	
2025/067	DrisStrawNinetyThree	Strawberry	Not Applicable	<i>Fragaria</i>	<i>xananassa</i>	DRISCOLL'S, INC.	07/05/2025
2025/035	EP-FRANCA	Potato	Not Applicable	<i>Solanum</i>	<i>tuberosum L.</i>	Europlant Innovation Gmbh & Co	11/04/2025
2025/037	IB 610-3	Lavender	Not Applicable	<i>Lavandula</i>	<i>pedunculata</i>	Plant Growers Australia	07/04/2025
2025/032	AUSPITAL	Rose	Not Applicable	<i>Rosa</i>	<i>hybrid</i>	David Austin Roses Limited	12/03/2025
2025/025	Sene Niregoku	Pericallis	Not Applicable	<i>Pericallis</i>	<i>x hybrida</i>	Suntory Flowers Limited	20/03/2025
2025/046	LUMIREX	Lettuce	Not Applicable	<i>Lactuca</i>	<i>sativa</i>	Rijk Zwaan Zaadteelt en Zaadhandel B.V.	28/03/2025
2025/065	DrisStrawEightyEight	Strawberry	Not Applicable	<i>Fragaria</i>	<i>xananassa</i>	DRISCOLL'S, INC.	07/05/2025
2025/007	MFSRCN	Port Wine Magnolia	STELLAR-RUBY	<i>Magnolia</i>	<i>figo</i>	THOMAS MCCRACKEN	05/03/2025
2025/073	CBA Spin	Chickpea	Not Applicable	<i>Cicer</i>	<i>arietinum</i>	The Crown in right of the State of New South Wales acting through Primary Industries and Regional Development., Grains Research and Development Corporation	30/04/2025
2025/036	SBR 6	Rhodes grass	Not Applicable	<i>Chloris</i>	<i>gayana</i>	GENEGRO PTY. LTD.	14/04/2025
2025/066	DrisStrawNinety	Strawberry	Not Applicable	<i>Fragaria</i>	<i>xananassa</i>	DRISCOLL'S, INC.	07/05/2025
2025/012	KG8	Rhodes grass	Not Applicable	<i>Chloris</i>	<i>gayana</i>	GeneGro Pty Ltd	18/03/2025
2025/010	VG001	Chocolate Cosmos	Cherry Chocolate	<i>Cosmos</i>	<i>atrosanguineus</i>	Valin Genetics Limited	18/03/2025
2025/068	DrisBlackTwentySeven	Blackberry	Not Applicable	<i>Rubus</i>	<i>subgenus rubus</i>	DRISCOLL'S, INC.	08/05/2025

2024/281	Short Black	Black Mondo Grass	Not Applicable	<i>Ophiopogon</i>	<i>planiscapus</i>	Richard Wisker	07/04/2025
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Rejections

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

Variety Descriptions

Application No.	Botanical Name	Variety Name
2011/074	<i>Rubus idaeus</i>	'Sugana'
2011/245	<i>Casuarina glauca</i>	'Greenwave'
2011/248	<i>Ulmus parvifolia</i>	'Reflection'
2015/051	<i>Rubus idaeus</i>	'Advabertwee'
2015/238	<i>Lolium multiflorum</i>	'Blade'
2016/073	<i>Sedum hybrid</i>	'Lime Zinger'
2017/032	<i>Quercus bicolor</i>	'JFS-KW12'
2017/053	<i>Vitis vinifera</i>	'Itumone'
2017/164	<i>Hordeum vulgare</i>	'Banks'
2017/181	<i>Camellia sasanqua</i>	'PARSTARB'
2017/230	<i>Chamelaucium hybrid</i>	'Kerryn'
2018/020	<i>Malus domestica</i>	'Luregust'
2018/218	<i>Rubus idaeus</i>	'SantaCatalina'
2018/219	<i>Rubus idaeus</i>	'Santa Clara'
2018/237	<i>Hordeum vulgare</i>	'Buff'
2019/094	<i>Camellia sasanqua</i>	'PARSTEPH'
2019/095	<i>Camellia sasanqua</i>	'PARISA'
2019/186	<i>Lactuca sativa L.</i>	'Wildebeast'
2019/206	<i>Cicer arietinum</i>	'PBA Royal'
2019/227	<i>Citrus hybrid</i>	'ASUKI'
2020/001	<i>Peperomia caperata</i>	'Mendoza'
2020/012	<i>Peperomia caperata</i>	'Brasilia'
2020/019	<i>Clusia rosea</i>	'LICLUS02'
2020/192	<i>Cicer arietinum</i>	'PBA Magnus'
2020/204	<i>Citrus reticulata</i>	'UFGlow'
2020/205	<i>Citrus reticulata</i>	'C4-15-19'
2021/033	<i>Solanum tuberosum</i>	'IMPERIAL BLUE'
2021/149	<i>Brassica oleracea L var. acephala</i>	'Firefly'
2021/161	<i>Cucumis sativus</i>	'SEMBOL'
2021/168	<i>Cucumis sativus</i>	'REMO'
2021/195	<i>Lolium multiflorum</i>	'Allure'
2021/196	<i>Lolium multiflorum</i>	'Torpedo LM'
2021/240	<i>Solanum tuberosum</i>	'Monica Russet'
2021/245	<i>Cotyledon orbiculata</i>	'MOBCo10'
2021/286	<i>Colocasia</i>	'Corede'
2022/013	<i>Brassica oleracea</i>	'MCLAREN'
2022/039	<i>Loropetalum chinense</i>	'IB 502-1'
2022/081	<i>Correa pulchella</i>	'IB705-13'
2022/141	<i>Arachis hypogaea</i>	'ELLESMERE'
2022/161	<i>Anemone hupehensis Lemoine x A. rupicola Cambess</i>	'Macane005'
2022/190	<i>Vitis hybrid</i>	'MR 33-31'

Application No.	Botanical Name	Variety Name
2022/191	<i>Vitis hybrid</i>	'MR 05-20'
2022/192	<i>Vitis hybrid</i>	'MI 09-07'
2022/193	<i>Vitis hybrid</i>	'MG 60-113'
2022/194	<i>Vitis hybrid</i>	'MG 60-114'
2022/234	<i>Solanum tuberosum</i>	'Virginia'
2022/303	<i>Solanum tuberosum</i>	'MIKADO'
2023/050	<i>Salvia splendens</i> × <i>S. guarantica</i>	'JF902-13'
2023/074	<i>Rubus idaeus</i>	'DrisRaspEighteen'
2023/076	<i>Vaccinium corymbosum</i>	'DrisBlueTwentyFour'
2023/103	<i>Triticum aestivum</i>	'Tomahawk CL Plus'
2023/105	<i>Triticum aestivum</i>	'Leverage'
2023/106	<i>Triticum aestivum</i>	'Lancelin'
2023/142	<i>Solanum tuberosum</i>	'Harvest Moon'
2023/144	<i>Solanum tuberosum</i>	'Frizzy G'
2023/164	<i>Hordeum vulgare</i>	'AGT-Spirit'
2023/195	<i>Vaccinium corymbosum</i> L.	'FL11-35'
2023/196	<i>Vaccinium corymbosum</i> L.	'Sentinel'
2023/222	<i>Fuchsia hybrida</i>	'IB 102-5'
2023/223	<i>Fuchsia hybrida</i>	'IB 102-1'
2023/224	<i>Fuchsia hybrida</i>	'IB 102-7'
2023/257	<i>Lactuca sativa</i>	'SUNBERG'
2023/270	<i>Phalaris aquatica</i>	'Evolution'
2023/275	<i>Capsicum annuum</i>	'AFRCLSC02'
2024/017	<i>Lactuca sativa</i>	'HIKARIO'
2024/028	<i>Solanum tuberosum</i> L.	'Da Ross'
2024/034	<i>Solanum lycopersicum</i> L.	'N 0507'
2024/080	<i>Vaccinium corymbosum</i>	'DrisBlueTwentyOne'
2024/155	<i>Rubus idaeus</i> L.	'DrisRaspTwentyOne'
2024/165	<i>Persea americana</i>	'Paul Mac'
2024/180	<i>Solanum tuberosum</i>	'Sunlight'
2024/230	<i>Cannabis sativa</i>	'HGT2h'
2024/250	<i>Cucumis sativus</i>	'QUANTARIO'
2024/279	<i>Rubus subgenus Rubus</i>	'DrisBlackThirty'

Details of Application

Application Number	2011/074
Variety Name	'Sugana'
Genus Species	<i>Rubus idaeus</i>
Common Name	Raspberry
Accepted Date	25-Aug-2011
Applicant	Lubera AG, Switzerland.
Agent	Crop & Nursery Services, Central Coast, NSW
Qualified Person	Ian Paananen

Details of Comparative Trial

Overseas Testing Authority	Bundessortenamt
Overseas Data Reference Number	HMB 130
Location	Prufstelle Wursen, Germany
Descriptor	Raspberry (<i>Rubus idaeus</i>) TG/43/7
Period	2009-2010
Conditions	as per TG/43/7
Trial Design	as per TG/43/7
Measurements	as per TG/43/7

RHS Chart - edition**Origin and Breeding**

Controlled pollination: 'Autumn Bliss' seed parent x 'Tulameen' pollen parent in a planned breeding program at Buchs, Switzerland in 1999. The seed parent is characterised by medium size fruit with medium fruit colour intensity. The pollen parent is characterised by a spreading plant growth habit and summer fruit bearing type. Selection took place at Buchs, Switzerland in 2000. Selection criteria: large fruit size; long shelf life; high multiplication rate per mother plant; strong apical dominance. Propagation: vegetative by cuttings. Breeder: Markus Kobelt, Buchs, Switzerland.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Very young shoot	anthocyanin colouration of apex during rapid growth	present
Spines	presence	present
Fruit	colour	medium red
Fruit	main bearing type	on previous season's cane and on current season's cane in autumn
Time of	beginning of fruit ripening on previous year's cane	early to medium
Time of	beginning of fruit ripening on current season's cane in autumn	medium

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Dinkum'	

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Erika'	Fruit size	large	medium	Erika also has smaller single drupe size, fewer shoot laterals (less branching) and a lighter red fruit colour

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

Organ/Plant Part: Context	'Sugana'	'Dinkum'
<input type="checkbox"/> Plant: habit	upright	
<input type="checkbox"/> *Plant: number of current season's canes	medium to many	
<input type="checkbox"/> *Very young shoot: anthocyanin colouration of apex during rapid growth	present	
<input type="checkbox"/> *Very young shoot: intensity of anthocyanin colouration of apex during rapid growth	weak to medium	
<input type="checkbox"/> Current season's cane: bloom	strong	
<input type="checkbox"/> Current season's cane: anthocyanin colouration	weak to medium	
<input type="checkbox"/> Current season's cane: length of internode	short to medium	
<input type="checkbox"/> Current season's cane: length of vegetative bud	medium	
<input type="checkbox"/> *Dormant cane: length (varieties which fruit on previous season's cane in summer)	long	
<input type="checkbox"/> *Current season's cane: length (varieties which fruit on current season's cane in autumn)	long	
<input type="checkbox"/> *Dormant cane: colour (varieties which fruit on previous season's cane in summer)	brown	
<input type="checkbox"/> *Spines: presence	present	
<input checked="" type="checkbox"/> *Spines: density (varieties with spines present only)	sparse to medium	dense
<input type="checkbox"/> Spines: size of base (varieties with spines present only)	medium	
<input type="checkbox"/> Spines: length (varieties with spines present only)	short	
<input type="checkbox"/> Spines: colour (varieties with spines present only)	purple	
<input type="checkbox"/> *Leaf: green colour of upper side	medium	

<input type="checkbox"/> *Leaf: predominant number of leaflets	equally three and five
<input type="checkbox"/> Leaf: profile of leaflets in cross section	concave
<input type="checkbox"/> *Leaf: rugosity	strong
<input type="checkbox"/> Leaf: relative position of lateral leaflets	touching
<input type="checkbox"/> Terminal leaflet: length	long to very long
<input type="checkbox"/> Terminal leaflet: width	broad
<input type="checkbox"/> Pedicel: number of spines	medium
<input type="checkbox"/> *Peduncle: presence of anthocyanin colouration	absent
<input type="checkbox"/> Flower: size	large
<input type="checkbox"/> Fruiting lateral: attitude (varieties which fruit on previous year's cane in summer)	semi-erect
<input type="checkbox"/> *Fruiting lateral: length (varieties which fruit on previous year's cane in summer)	short to medium
<input type="checkbox"/> *Fruit: length	medium
<input type="checkbox"/> *Fruit: width	broad to very broad
<input type="checkbox"/> *Fruit: ratio length/width	medium
<input type="checkbox"/> *Fruit: general shape in lateral view	broad conical
<input type="checkbox"/> Fruit: size of single drupe	large
<input type="checkbox"/> *Fruit: colour	medium red
<input type="checkbox"/> Fruit: glossiness	medium to strong
<input type="checkbox"/> *Fruit: firmness	soft to medium
<input type="checkbox"/> Fruit: adherence to plug	medium to strong
<input type="checkbox"/> *Fruit: main bearing type	both previous year's cone in summer & current year's cone in autumn
<input checked="" type="checkbox"/> *Plant: time of vegetative bud burst (varieties which fruit on previous year's cane in summer)	early to medium late
<input type="checkbox"/> *Time of: cane emergence (varieties which fruit on current year's cane in autumn)	medium
<input type="checkbox"/> *Time of: beginning of flowering on previous year's cane (varieties which fruit on previous year's cane in summer)	early to medium
<input type="checkbox"/> *Time of: beginning of flowering on current season's cane (varieties which fruit on current year's cane in autumn)	medium
<input type="checkbox"/> *Time of: beginning of fruit ripening on previous year's cane (varieties which fruit of previous year's cane in summer)	early to medium

<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		
<input type="checkbox"/> Length of: fruiting period on previous year's cane (varieties which fruit on previous year's cane in summer)	short		
<input checked="" type="checkbox"/> Length of: fruiting period on current year's cane (varieties which fruit on current year's cane in autumn)	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; text-align: center;">long</td> <td style="width: 50%; text-align: center;">short</td> </tr> </table>	long	short
long	short		

Prior Applications and Sales:

Country	Year	Status	Name Applied
USA	2010	Granted	'Sugana'
DE	2010	Granted	'Sugana'
QZ	2011	Granted	'Sugana'
NL	2012	Granted	'Sugana'

First sold in May in 2007.

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



Raspberry (*Rubus idaeus*) variety 'Sugana'

Details of Application

Application Number	2011/245
Variety Name	'Greenwave'
Genus Species	<i>Casuarina glauca</i>
Common Name	Swamp Oak
Accepted Date	02-Feb-2012
Applicant	Vic John Ciccolella, Oakville, NSW, Australia
Agent	Fleming's Nurseries Pty Ltd, Monbulk, Vic, Australia
Qualified Person	Leanne Gillies

Details of Comparative Trial

Location	Monbulk, Victoria
Descriptor	General
Period	January 2018 - March 2023
Conditions	Field trial with all plants grown in garden beds with un-amended site soil.
Trial Design	10 cutting grown plants of the candidate and 10 cutting grown plants of the comparator were potted into 20cm pots using an all-purpose soil-less potting mix. The 20 plants were grown together in a nursery setting and watered with natural precipitation and overhead irrigation. These plants were transferred to the field for further observation and assessment.
Measurements	As per UPOV standards.
RHS Chart - edition	1986 - Grey Box.

Origin and Breeding

Seedling selection: in 2006, cuttings from a seed grown selection of *Casuarina glauca* were grown in Oakville, NSW, Australia. The selection was chosen for its compact growth habit. Multiple generations were produced through vegetative propagation proved the selection, named 'Greenwave', to be true-to-type. Breeder is Vic John Ciccolella, Oakville, NSW.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Leaf	size	very small

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
<i>Casuarina glauca</i>	

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Cousin it'	Plant Type	shrub	prostrate	

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

Organ/Plant Part: Context	'Greenwave'	<i>Casuarina glauca</i>
<input checked="" type="checkbox"/> Plant: type	shrub	tree
<input checked="" type="checkbox"/> Plant: growth habit	bushy	spreading

<input checked="" type="checkbox"/>	Plant: size	small	medium
<input checked="" type="checkbox"/>	Plant: height	short	medium to tall
<input type="checkbox"/>	Plant: width	medium	medium
<input type="checkbox"/>	Stem: degree of hairiness	absent or low	absent or low
<input type="checkbox"/>	Stem: thorns, prickles, spines etc	absent	absent
<input type="checkbox"/>	Stem: presence of hairs	absent	absent
<input type="checkbox"/>	Stem: presence of anthocyanin in new growth	absent	absent
<input type="checkbox"/>	Young shoot: anthocyanin colouration	absent or very weak	absent or very weak
<input type="checkbox"/>	Leaf: leaf type	simple	simple
<input type="checkbox"/>	Leaf: size	very small	very small
<input type="checkbox"/>	Leaf: arrangement	whorled	whorled
<input type="checkbox"/>	Leaf: shape	lanceolate	lanceolate
<input type="checkbox"/>	Leaf: shape of apex	acute	acute
<input type="checkbox"/>	Leaf: incision of margin	absent	absent
<input type="checkbox"/>	Fruit: shape	globose	absent

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Greenwave'	<i>Casuarina glauca</i>
<input checked="" type="checkbox"/> Stem: central leader	absent	present

Prior Applications and Sales:

Nil

Description: Leanne Gillies, Monbulk, 3793



'Greenwave'

Casuarina glauca

Swamp Oak (*Casuarina glauca*) candidate variety 'Greenwave' showing growth habit differences with comparator *Casuarina glauca*

Details of Application

Application Number	2011/248
Variety Name	'Reflection'
Genus Species	<i>Ulmus parvifolia</i>
Common Name	Chinese Elm
Accepted Date	02-Feb-2012
Applicant	Fleming's Nurseries Pty Ltd, Monbulk, Vic, Australia
Qualified Person	Leanne Gillies

Details of Comparative Trial

Location	Fleming's Nurseries, Monbulk, Australia
Descriptor	PBR Elm (Ulmus)
Period	2019 to 2023
Conditions	Trees were budded and grown in traditional bare root production system under standard irrigation and fertilisation program. Trees were lifted and then transferred to advanced sized above ground bags containing industry standard potting media and individual pot irrigation stakes.
Trial Design	Block design.
Measurements	As per UPOV requirements.
RHS Chart - edition	1986 Edition - Grey Box

Origin and Breeding

Spontaneous Mutation: open pollinated seedlings were grown in the nursery and selections made based on desirable characteristics. Candidate was selected for its form and overall appearance. Subsequent propagation by budding showed the key traits to be stable across multiple cycles. Breeder is Fleming's Nurseries Pty Ltd, Monbulk, Victoria.

Choice of Comparators

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Tree	growth habit	upright tree

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Todd'	

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Emer 1'	Tree Form	Upright	Rounded	

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

Organ/Plant Part: Context	'Reflection'	'Todd'
<input type="checkbox"/> Plant: type	tree	tree
<input checked="" type="checkbox"/> Plant: growth habit	bushy	spreading
<input checked="" type="checkbox"/> Plant: height	medium to tall	tall
<input checked="" type="checkbox"/> Plant: width	narrow to medium	medium to broad

<input type="checkbox"/>	Trunk: bark type on main stem	glabrous	glabrous
<input type="checkbox"/>	Trunk: colour	grey/green	grey/green
<input type="checkbox"/>	Trunk: lenticels	present	present
<input type="checkbox"/>	Trunk: lenticel shape	linear	linear
<input type="checkbox"/>	Trunk: lenticel colour	brownish orange	brownish orange
<input type="checkbox"/>	Young shoots: presence of hairs	present	present
<input type="checkbox"/>	Young shoot: degree of hairiness	low to medium	low to medium
<input type="checkbox"/>	Leaf: presence of hairs upper side	absent	absent
<input type="checkbox"/>	Leaf: degree of hairiness upper side	absent or very low	absent or very low
<input type="checkbox"/>	Leaf: presence of hairs under side	absent	absent
<input type="checkbox"/>	Leaf: degree of hairiness underside	absent or very low	absent or very low
<input type="checkbox"/>	Leaf: shape	elliptic	elliptic
<input type="checkbox"/>	Leaf: shape of apex	acute	acute
<input type="checkbox"/>	Leaf: shape of base	oblique	oblique
<input type="checkbox"/>	Leaf: incision of margin	present	present
<input checked="" type="checkbox"/>	Leaf: depth of incision	deep	shallow to medium
<input checked="" type="checkbox"/>	Leaf: type of incision	serrate	serrulate
<input type="checkbox"/>	Leaf: undulation of margin	very weak to weak	very weak to weak
<input type="checkbox"/>	Leaf: shape in cross section	carinate	carinate
<input type="checkbox"/>	Leaf: curvature of longitudinal axis	straight	incurved
<input type="checkbox"/>	Leaf: glossiness of upper side	medium	medium
<input type="checkbox"/>	Leaf: presence of variegation	absent	absent
<input type="checkbox"/>	Leaf: primary colour (RHS colour chart)	137A	139A

Prior Applications and Sales:

Nil

Description: Leanne Gillies, Monbulk VIC



'Reflection'

'Todd'



Chinese Elm (*Ulmus parvifolia*) candidate variety 'Reflection' showing foliar differences with comparator 'Todd'

Details of Application

Application Number	2015/051
Variety Name	'Advabertwee'
Genus Species	<i>Rubus idaeus</i>
Common Name	Raspberry
Accepted Date	09-May-2016
Applicant	Advanced Berry Breeding, De Kwakel, The Netherlands
Agent	Perfection Fresh Australia Pty Ltd, Homebush, NSW 2140
Qualified Person	Ian Paananen

Details of Comparative Trial

Location	Caboolture, QLD
Descriptor	TG/43/7
Period	2023-2024
Conditions	Trial conducted in a polyhouse, plants propagated from cuttings, planted into standard coir peat blocks, standard trellising system and nutrition maintained with fertigation.
Trial Design	Ten plants of each variety arranged adjacently within standard rows.
Measurements	Randomly from 10 plants
RHS Chart - edition	2015

Origin and Breeding

Controlled pollination: '207157-12' seed parent x '207015' pollen parent in a planned breeding program at Rossum, The Netherlands in 2007. Both parents are non-commercial varieties within the breeding programme. The seed parent is characterised by a medium fruit size. The pollen parent is characterised by a medium number of root buds. Selection took place at Rossum, The Netherlands in 2008. Selection criteria: large fruit size, vigorous plant growth, good yield, uniform ripening, easy to pick, good flavour, good shelf life, fruits on all canes. Propagation: vegetative by cuttings and micropropagation. Breeders: Andreas Smaal and Gerrit de Weert, Advanced Berry Breeding, De Kwakel, The Netherlands.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	growth habit	upright
Very young shoot	anthocyanin colouration of apex during rapid growth	present
Spines	presence	present
Terminal leaflet	width	broad
Fruit	colour	medium red
Fruit	glossiness	strong

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Adelita' (HMB 213)	

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Polka'	Fruit colour	medium red	darker red	Polka also has a bushier growth form, fewer flowers, earlier flowering time and fruit that darkens with ripening.

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

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

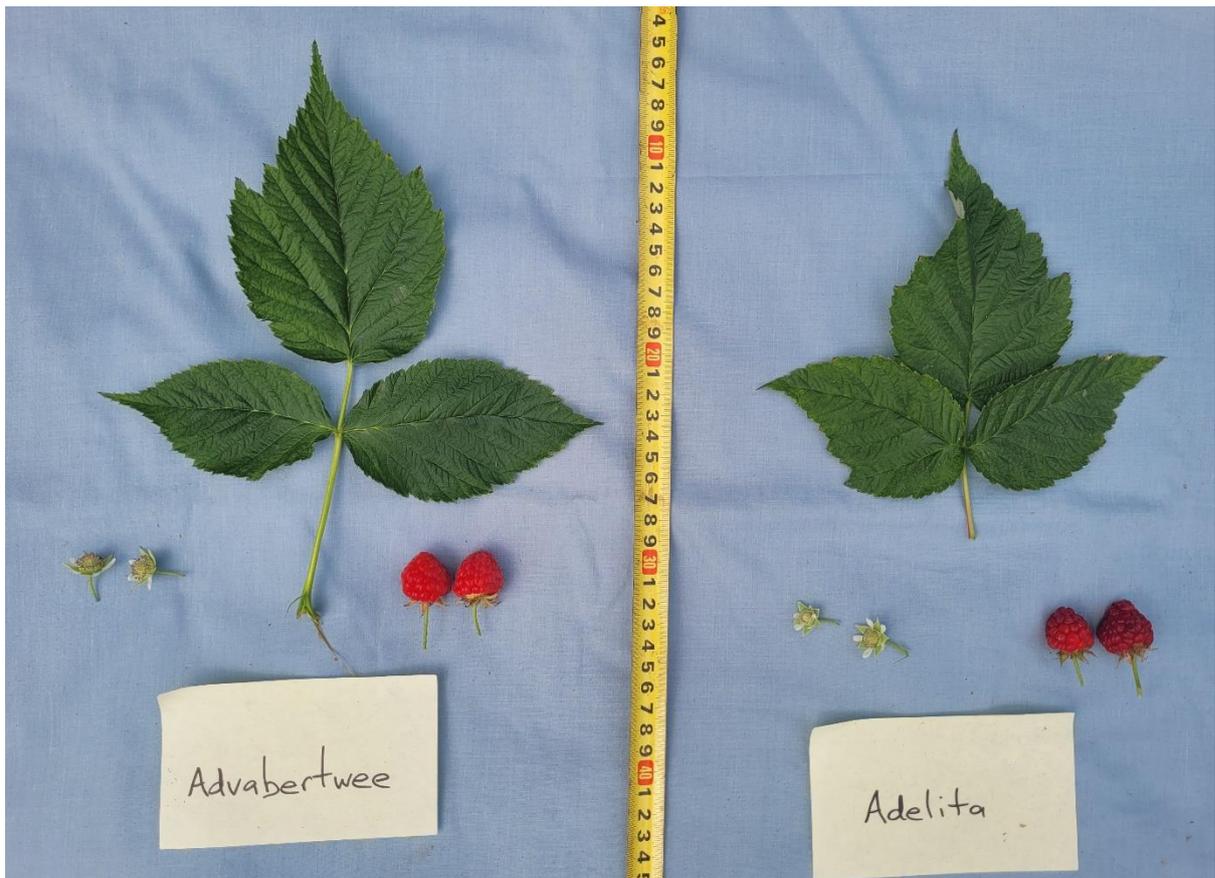
<input checked="" type="checkbox"/> *Peduncle: presence of anthocyanin colouration	absent	present
<input type="checkbox"/> Flower: size	medium to large	medium to large
<input type="checkbox"/> *Fruit: length	medium to long	medium
<input type="checkbox"/> *Fruit: width	broad to very broad	broad
<input type="checkbox"/> *Fruit: ratio length/width	medium	medium
<input type="checkbox"/> *Fruit: general shape in lateral view	broad conical	broad conical
<input type="checkbox"/> Fruit: size of single drupe	large	large
<input type="checkbox"/> *Fruit: colour	medium red	medium red
<input type="checkbox"/> Fruit: glossiness	strong	strong
<input type="checkbox"/> *Fruit: firmness	medium to firm	firm
<input type="checkbox"/> Fruit: adherence to plug	medium	medium to strong
<input checked="" type="checkbox"/> *Fruit: main bearing type	both previous year's cone in summer & current year's cone in autumn	only on current year's cane in autumn
<input type="checkbox"/> *Time of: cane emergence (varieties which fruit on current year's cane in autumn)	medium	early to medium
<input checked="" type="checkbox"/> *Time of: beginning of flowering on current season's cane (varieties which fruit on current year's cane in autumn)	late	early to medium
<input checked="" type="checkbox"/> *Time of: beginning of fruit ripening on current year's cane (varieties which fruit on current year's cane in autumn)	late to very late	early
<input type="checkbox"/> Length of: fruiting period on current year's cane (varieties which fruit on current year's cane in autumn)	long	long to very long

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2011	Granted	'Advabertwee'
USA	2012	Granted	'Advabertwee'
Switzerland	2013	Granted	'Advabertwee'

First sold in May 2011 in the Netherlands as 'Advabertwee'.

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



Rubus idaeus variety 'Advabertwee' with comparator 'Adelita'

Details of Application

Application Number	2015/238
Variety Name	'Blade'
Genus Species	<i>Lolium multiflorum</i>
Common Name	Italian Ryegrass
Synonym	
Accepted Date	30-Sep-2015
Applicant	Cropmark Seeds Australia Pty Ltd, South Melbourne, Vic 3205
Qualified Person	Nick Cameron

Details of Comparative Trial

Overseas Testing Authority	New Zealand Plant Variety Rights Office
Overseas Data Reference Number	Grant no. 31845
Location	AssureQuality Ltd, Lincoln, Canterbury, New Zealand
Descriptor	TG/4/8 2006
Period	2014 to 2015
Conditions	As per DUS test report
Trial Design	As per DUS test report
Measurements	As per DUS test report

Origin and Breeding

Controlled pollination: LmCL0902N is a synthetic polycross variety of 5 clonally replicated diploid genotypes, bred by Cropmark Seeds Ltd. In 1996 90 different accessions were collected from world-wide sources and between 30 to 150 seedlings per line planted individually in root-trainers in autumn 1997. The seedlings were selected for tiller density and freedom from disease and 12,000 plants spaced planted in the field in mid-winter. At head emergence 120 plants were selected for winter and early spring yield and these plants were inter-pollinated in different isolations. Seed from each of the 120 plants was re-seeded into root-trainers in autumn 1998 and these seedlings were again selected for tiller density and freedom from disease and 10,000 plants spaced planted in the field in mid-winter of 1998. Nine further selection cycles were carried out using similar selection parameters and plant numbers from 1998 to 2009 thus completing ten cycles of selection. Five plants from the tenth cycle were polycrossed in 2009 in isolation to form LmCL0902N. It has a medium to late heading date (18th November), is medium to dark green. Vegetative leaf width is medium to wide. Breeder: Nick Cameron, Cropmark Seeds Limited, Templeton, Christchurch, New Zealand.

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

Organ/Plant Part Context	State of Expression in Group of Varieties
Plant ploidy	diploid
Plant time of inflorescence emergence (without vernalisation)	late

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Extenda'	
'Knight'	
'Prime'	
'Surge'	

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

Organ/Plant Part: Context	'Blade'	'Extenda'	'Knight'	'Prime'	'Surge'
<input type="checkbox"/> *Plant: ploidy	diploid				
<input type="checkbox"/> Plant: vegetative growth habit (without vernalisation)	medium				
<input type="checkbox"/> Leaf: length	long				
<input type="checkbox"/> Leaf: width	medium to broad				
<input type="checkbox"/> Leaf: intensity of green colour	light to medium				
<input type="checkbox"/> Plant: width	medium				
<input type="checkbox"/> Plant: vegetative growth habit (after vernalisation)	semi-erect to medium				
<input type="checkbox"/> Plant: height	tall				
<input checked="" type="checkbox"/> *Plant: time of inflorescence emergence (after vernalisation)	late				medium to late
<input type="checkbox"/> Plant: natural height at inflorescence emergence	medium to tall				
<input type="checkbox"/> Plant: width at inflorescence emergence	narrow to medium				
<input type="checkbox"/> *Flag leaf: length	medium				
<input type="checkbox"/> *Flag leaf: width	narrow to medium				
<input type="checkbox"/> Flag leaf: length/width ratio	medium				
<input type="checkbox"/> *Plant: length of longest stem, inflorescence included	medium				
<input type="checkbox"/> Plant: length of upper internode	short to medium				
<input type="checkbox"/> Inflorescence: length	short to medium				
<input type="checkbox"/> Inflorescence: number of spikelets	medium				
<input checked="" type="checkbox"/> Inflorescence: density	medium to dense				dense
<input type="checkbox"/> Inflorescence: length of outer glume on basal spikelet	very short to short				
<input checked="" type="checkbox"/> Inflorescence: length of basal spikelet excluding awn	short	medium	short to medium		

Prior Applications and Sales:

Country	Year	Status	Name Applied
New Zealand	2014	Granted	'Blade'

First sold in Australia on 1st March 2015 as 'Blade'

Description: Nick Cameron, Cropmark Seeds Limited, Templeton, Christchurch, New Zealand.



Lolium multiflorum (Italian Ryegrass) variety 'Blade'

Details of Application

Application Number	2016/073
Variety Name	'Lime Zinger'
Genus Species	<i>Sedum hybrid</i>
Common Name	Sedum
Accepted Date	26-Jun-2017
Applicant	Christopher M. Hansen, Holland, Michigan 49424 USA
Agent	Natura Creative, North Sydney, NSW, Australia
Qualified Person	Ian Paananen

Details of Comparative Trial

Location	Peats Ridge, NSW
Descriptor	General Descriptor
Period	Summer 2017 - Autumn 2018
Conditions	Trial conducted in open beds, planted into 200mm pots filled with soilless potting mix, nutrition maintained with slow-release fertilisers, pest and disease treatments applied as required.
Trial Design	Twelve plants of each variety arranged in a completely randomised design.
Measurements	From ten plants at random
RHS Chart - edition	2015

Origin and Breeding

Controlled pollination: seed parent 'unnamed Sedum' x pollen parent 'unnamed Sedum' in 2009. The seed parent is characterised by a short plant height combined with small blue grey leaves. The pollen parent is characterised by a tall plant height combined with large blue grey leaves. Selection took place in Hudsonville, Michigan, USA in 2010. Selection criteria: green leaves with red margins, compact growth habit without tendency to flop open in centre of plant. Propagation: vegetative divisions are found to be uniform and stable. Breeder: Christopher M. Hansen, Michigan, USA.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	growth habit	spreading
Leaf	length of blade	medium
Leaf	width of blade	medium
Leaf	incision of margin	present
Leaf	depth of incision	very shallow

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Cherry Tart'	from same breeder

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'John Creech'	Plant height	short to medium	short	
'John Creech'	Leaf blade colour of margin	red	green	

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

Organ/Plant Part: Context	'Lime Zinger'	'Cherry Tart'
<input type="checkbox"/> Plant: growth habit	spreading	spreading
<input type="checkbox"/> Plant: height	short to medium	medium
<input type="checkbox"/> Plant: width	medium	medium
<input type="checkbox"/> Leaf: arrangement	opposite and decussate	opposite and decussate
<input type="checkbox"/> Leaf: length of blade	medium	medium
<input type="checkbox"/> Leaf: width of blade	medium	medium
<input type="checkbox"/> Leaf: shape	ovate	ovate
<input type="checkbox"/> Leaf: shape of apex	obtuse	obtuse
<input type="checkbox"/> Leaf: incision of margin	present	present
<input type="checkbox"/> Leaf: depth of incision	very shallow	very shallow
<input type="checkbox"/> Leaf: type of incision	serrate	serrate
<input type="checkbox"/> Leaf: shape of cross-section	concave	concave
<input type="checkbox"/> Flower: type	single	single

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Lime Zinger'	'Cherry Tart'
<input type="checkbox"/> Stem: thickness at base	medium	medium
<input type="checkbox"/> Leaf: position	sessile	sessile
<input type="checkbox"/> Leaf blade: thickness	medium	medium
<input checked="" type="checkbox"/> Leaf blade: colour of upper side (RHS)	N148A with margin 179A	187B fading to middle
<input checked="" type="checkbox"/> Leaf blade: colour of lower side (RHS)	N148A	187B fading to middle
<input type="checkbox"/> Inflorescence: length	short to medium	short
<input type="checkbox"/> Inflorescence: width	medium	medium
<input type="checkbox"/> Sepal: size	medium	medium
<input type="checkbox"/> Sepal: shape of apex	acute	acute
<input type="checkbox"/> Sepal: colour	purple brown	dark purple brown
<input type="checkbox"/> Sepal: anthocyanin coloration	present	present
<input checked="" type="checkbox"/> Sepal: intensity of anthocyanin coloration	weak	very strong
<input type="checkbox"/> Petal: size	medium	medium
<input type="checkbox"/> Petal: shape of apex	acute	acute
<input type="checkbox"/> Petal: colour (RHS)	186C	186C
<input type="checkbox"/> Ovary and Pistils: size	medium	medium
<input checked="" type="checkbox"/> Ovary and Pistils: colour	purple	greyed purple
<input checked="" type="checkbox"/> Stem: colour	grey purple brown	greyed red
<input type="checkbox"/> Stem: anthocyanin coloration	present	present
<input checked="" type="checkbox"/> Stem: intensity of anthocyanin coloration	medium to strong	very strong

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2013	Granted	'Lime Zinger'
USA	2012	Granted	'Lime Zinger'

First sold in USA April 2012

Description: Ian Paananen, Central Coast, NSW.



Sedum hybrid (Sedum) variety 'Lime Zinger'

Details of Application

Application Number	2017/032
Variety Name	'JFS-KW12'
Genus Species	<i>Quercus bicolor</i>
Common Name	Swamp White Oak
Synonym	'American Dream'
Accepted Date	29-May-2017
Applicant	J. Frank Schmidt & Son Co., Boring, OR, USA
Agent	Fleming's Nurseries, Monbulk, Vic, Australia
Qualified Person	Leanne Gillies

Details of Comparative Trial

Location	Monbulk, Victoria, Australia
Descriptor	Modified Chestnut, (<i>Castanea sativa</i>) TG/124/3
Period	2019-2024
Conditions	Trees of the candidate and comparator were propagated via budding in a conventional bare root nursery production system. Trees were then lifted and potted into 45L bags before being re-potted into 150L bags. Potting mix used was industry standard soil-less media, including slow-release fertiliser. Trees were irrigated with individual spray stakes.
Trial Design	Side by side comparison of trees in standard nursery rows.
Measurements	As per UPOV standard
RHS Chart - edition	1986 - Grey Box.

Origin and Breeding

Open pollination: between 1998 and 2005, selections were made from nursery rows of open pollinated *Quercus bicolor* seedlings. Initially 66 trees were identified as being of interest and grown on for further evaluation. This was narrowed to 18 trees, which were subsequently named. In 2002, the tree named 'JFS-KW12' was identified for its superior form and deep green glossy foliage. This was then transplanted into a long tree evaluation row for further assessment. Each year from 2005 to 2011 trees were propagated from this original tree via chip budding and assessed for stability and uniformity and performance characteristics. It was then identified that this new variety had unique and stable characteristics. Breeder is Keith S. Warren, J. Frank Schmidt & Son Co, Boring, OR, USA.

Choice of Comparators

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Leaf	large	large

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Bonnie and Mike'	

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

Organ/Plant Part: Context	'JFS-KW12'	'Bonnie and Mike'
<input checked="" type="checkbox"/> *Tree: diameter of trunk	medium to large	small to medium
<input checked="" type="checkbox"/> *Tree: growth habit	spreading	erect to semi-erect

<input checked="" type="checkbox"/> *Current season's lateral: thickness	thick	medium to thick
<input checked="" type="checkbox"/> Current season's lateral: length of internodes	medium	medium to long
<input type="checkbox"/> *Current season's lateral: phyllotaxis	one half	one half
<input type="checkbox"/> Current season's lateral: anthocyanin colouration of distal part	absent	absent
<input checked="" type="checkbox"/> Current season's lateral: density of lenticels	sparse	dense
<input type="checkbox"/> *Fully developed leaf: length/width ratio	large	large
<input type="checkbox"/> Fully developed leaf: attitude compared to shoot	horizontal to drooping	horizontal to drooping
<input type="checkbox"/> Fully developed leaf: green colour of upper side	medium to dark	medium to dark
<input checked="" type="checkbox"/> Fully developed leaf: colour of lower side	whitish	light green
<input checked="" type="checkbox"/> *Fully developed leaf: shape of base of blade	obtuse	acute
<input type="checkbox"/> Fully developed leaf: symmetry of petiole	slightly asymmetric	slightly asymmetric

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'JFS-KW12'	'Bonnie and Mike'
<input checked="" type="checkbox"/> Fully developed leaf: incisions of margin	shallow	deep

Prior Applications and Sales:

Country	Year	Status	Name Applied
USA	2011	Granted	'JFS-KW12'

First sold in the USA on the 19th of Feb 2011 as 'JFS-KW12'

Description: Leanne Gillies, Monbulk VIC



'JFS-KW12'

'Bonnie and Mike'

Swamp White Oak (*Quercus bicolor*) candidate 'JFS-KW12' showing foliar differences with comparator 'Bonnie and Mike'

Details of Application

Application Number	2017/053
Variety Name	'Itumone'
Genus Species	<i>Vitis vinifera</i>
Common Name	Grape vine
Accepted Date	31-Jul-2017
Applicant	Investigación y Tecnología de Uva de Mesa ITUM S.L., Murcia, Spain
Agent	AJR Variety Development Pty Ltd. Euston, NSW 2737
Qualified Person	Huiyan Cai

Details of Comparative Trial

Overseas Testing Authority	OFICINA ESPAÑOLA DE VARIETADES VEGETALES (OEVV)
Overseas Data Reference Number	CPVO 20130761
Location	Centro de Ensayos de Evaluación de Variedades de Murcia- (INIA) Apartado de Correos 108 30150 – La Alberca (Murcia) Spain
Descriptor	CPVO-TP/050/2
Period	2015-2016
Conditions	As per DUS test report
Trial Design	As per DUS test report
Measurements	As per DUS test report
RHS Chart - edition	n/a

Origin and Breeding

Controlled pollination: The new variety is the result of a cross of 'Itum 03-674-5' as the seed parent, and 'Princess' as pollen parent in 2006. Plants were produced from the maternal parent using embryo rescue procedures. Selections were made after screening for molecular markers associated with seedlessness and quality of fruit in post-harvest storage. Breeders: Manuel Tornell and Juan Carreño, Investigación y Tecnología de Uva de Mesa S.L., Murcia, Spain.

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
Young shoot	openness of tip	fully open
Young leaf	colour of upper side of blade	light copper red
Young leaf	prostrate hairs between main veins on lower side of blade	absent or very sparse
Flower	sexual organs	fully developed stamens and fully developed gynoecium
Mature leaf	number of lobes	five
Berry	Time of beginning of berry ripening	early
Berry	shape	broad ellipsoid
Berry	colour of skin (without bloom)	yellow green
Berry	anthocyanin coloration of flesh	absent or very weak
Berry	particular flavour	other than muscat, foxy of herbaceous
Berry	formation of seeds	none

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Sheegene 2'	Early to medium season white seedless grape with berry shape of broad ellipsoid.

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Sugraone'	mature leaf shape of teeth	mixture of both sides straight and both sides convex	both side convex	
'Sheegene 21'	young shoot	time of bud burst	very early to early	early to medium
'Sheegene 9'	berry shape	broad ellipsoid	ovoid	
'IFG 104-253'	berry particular flavour	other than muscat, foxy or none herbaceous		
'Sweet Sunshine'				
'Sweet Angie'	berry shape	broad ellipsoid	obtuse ovoid or horn-shaped	
'Regal seedless'	berry particular flavour	other than muscat, foxy or none herbaceous		
'Blanc seedless'	berry shape	broad ellipsoid	cylindrical	

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

Organ/Plant Part: Context	'Itumone'	'Sheegene 2'
<input type="checkbox"/> *Time of: bud burst	very early to early	
<input type="checkbox"/> *Young shoot: openness of tip	fully open	
<input type="checkbox"/> *Young shoot: prostrate hairs on tip	sparse	
<input type="checkbox"/> *Young shoot: anthocyanin colouration of prostrate hairs on tip	absent or very weak	
<input type="checkbox"/> Young shoot: erect hairs on tip	absent or very sparse	
<input type="checkbox"/> *Young leaf: colour of upper side of blade	light copper red	
<input type="checkbox"/> *Young leaf: prostrate hairs between main veins on lower side of blade	absent or very sparse	
<input type="checkbox"/> Young leaf: erect hairs on main veins on lower side of blade	absent or very sparse	
<input type="checkbox"/> Shoot: attitude (before tying)	horizontal	
<input type="checkbox"/> Shoot: colour of dorsal side of internodes	green and red	
<input type="checkbox"/> *Shoot: colour of ventral side of internodes	green	
<input type="checkbox"/> Shoot: colour of dorsal side of nodes	red	
<input type="checkbox"/> Shoot: colour of ventral side of nodes	green and red	
<input type="checkbox"/> Shoot: erect hairs on internodes	absent or very sparse	
<input type="checkbox"/> Shoot: length of tendrils	long	
<input type="checkbox"/> *Flower: sexual organs	fully developed stamens and fully developed gynoecium	
<input checked="" type="checkbox"/> *Mature leaf: size of blade	large	medium

<input type="checkbox"/> *Mature leaf: shape of blade	wedge-shaped
<input type="checkbox"/> Mature leaf: blistering of upper side of blade	weak
<input type="checkbox"/> *Mature leaf: number of lobes	five
<input type="checkbox"/> Mature leaf: depth of upper lateral sinuses	medium
<input type="checkbox"/> Mature leaf: arrangement of lobes of upper lateral sinuses (varieties with lobed leaves only)	slightly overlapped
<input type="checkbox"/> *Mature leaf: arrangement of lobes of petiole sinus	slightly open
<input type="checkbox"/> *Mature leaf: length of teeth	long
<input type="checkbox"/> *Mature leaf: ratio length/width of teeth	medium to large
<input type="checkbox"/> *Mature leaf: shape of teeth	mixture of both sides straight and both sides convex
<input type="checkbox"/> *Mature leaf: proportion of main veins on upper side of blade with anthocyanin colouration	absent or very low
<input type="checkbox"/> Mature leaf: prostrate hairs between main veins on lower side of blade	absent or very sparse
<input type="checkbox"/> *Mature leaf: erect hairs on main veins on lower side of blade	medium
<input type="checkbox"/> Mature leaf: length of petiole compared to length of middle vein	equal
<input type="checkbox"/> *Time of: beginning of berry ripening	early
<input type="checkbox"/> *Bunch: size (peduncle excluded)	medium to large
<input type="checkbox"/> *Bunch: density	lax
<input type="checkbox"/> Bunch: length of peduncle of primary bunch	medium
<input type="checkbox"/> *Berry: size	large
<input type="checkbox"/> *Berry: shape	broad ellipsoid
<input type="checkbox"/> *Berry: colour of skin (without bloom)	yellow green
<input type="checkbox"/> Berry: ease of detachment from pedicel	difficult
<input type="checkbox"/> Berry: thickness of skin	thin
<input type="checkbox"/> *Berry: anthocyanin colouration of flesh	absent or very weak
<input type="checkbox"/> Berry: firmness of flesh	very firm
<input checked="" type="checkbox"/> *Berry: particular flavour	other than muscat, foxy or herbaceous muscat
<input type="checkbox"/> *Berry: formation of seeds	none
<input type="checkbox"/> Woody shoot: main colour	orange brown

Prior Applications and Sales:

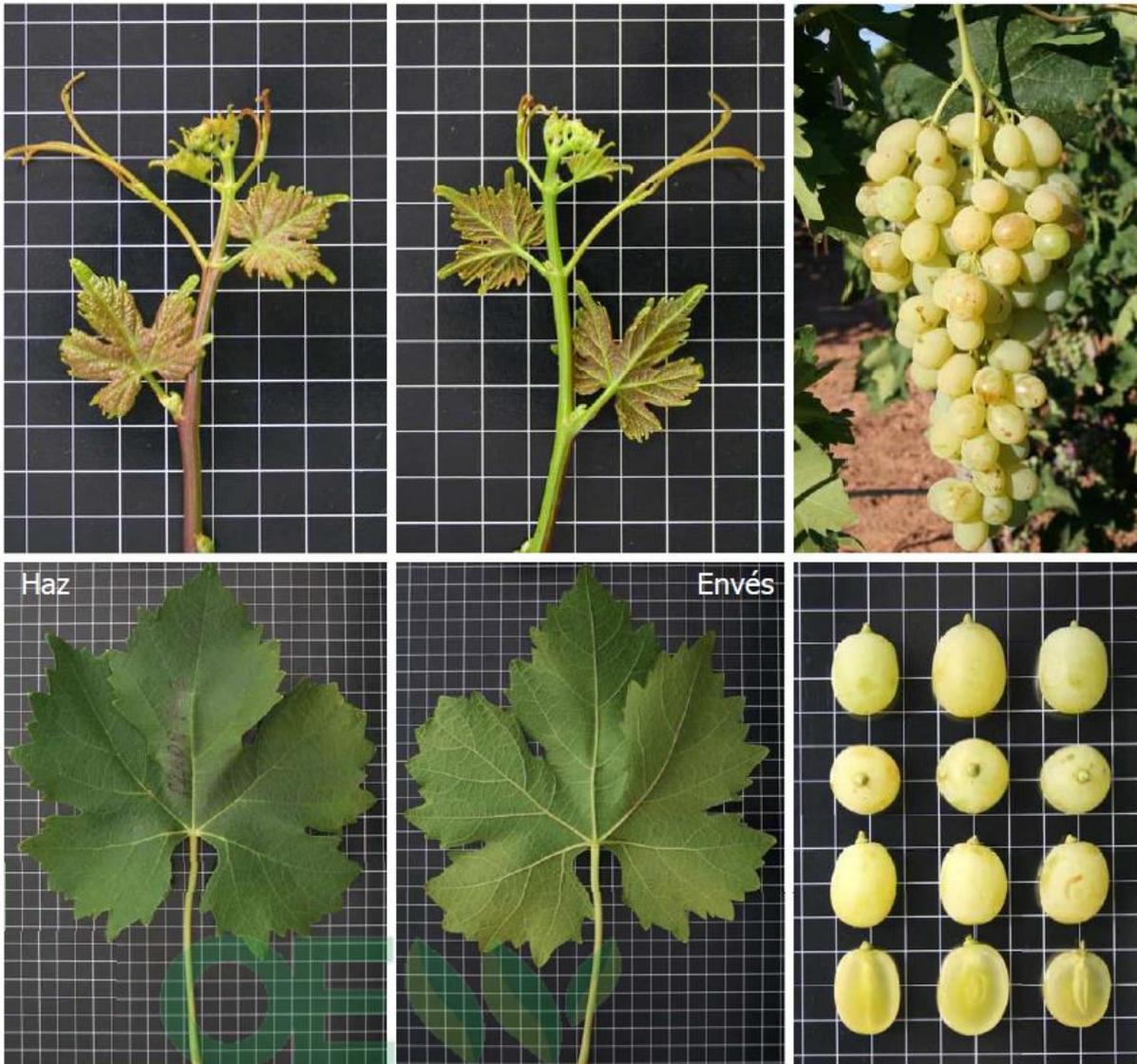
Country	Year
EU	2020

Status
Granted

Name Applied
'Itumone'

First sold on 1st Aug 2014 in EU as 'Itumone'

Description: Huiyan (Chloe) Cai, Merbein, VIC 3505



Vitis vinifera (Grape vine) variety 'Itumone'

Details of Application

Application Number	2017/164
Variety Name	'Banks'
Genus Species	<i>Hordeum vulgare</i>
Common Name	Barley
Synonym	05S796-14
Accepted Date	23-Jun-2017
Applicant	InterGrain Pty Ltd, Birba Lake, WA 6163, Australia
Qualified Person	David Watson

Details of Comparative Trial

Location	Horsham
Descriptor	Barley (<i>Hordeum vulgare</i>) TG/19/11
Period	June 2017 to December 2017
Conditions	Trial was sown in Winter into good moisture. Conditions were quite wet during Winter with a dry Spring and early finish.
Trial Design	Randomised block design with 2 replicates. Plots 1.25cm wide and 6m long (5 rows and 250 mm spacing)
Measurements	Measurements taken from 10 specimens per plot, selected at random. One measurement per plant.
RHS Chart - edition	N/A

Origin and Breeding

Controlled pollination: Following the initial cross made in a glasshouse in South Perth in 2005, the F2, F3, F4 and F5 generations were grown as bulks, with yield selection practiced on the F4 and F5 generations. Single plant selections were taken at the F5, and single rows derived from these plants were grown as F5 derived F6 generation rows at Katanning in 2010. The selection 05S796-14 was progressed to yield, quality and disease resistance testing in 2011 and subsequent years. This selection was named IGB1305 in 2013 and included in yield trials in Western Australia, Victoria, New South Wales and Queensland. National yield testing occurred in InterGrain trials during 2014, 2015 and 2016, and in NVT trials in 2015 and 2016. IGB1305 was included in disease nurseries assessing resistance to NFNB, powdery mildew, scald, leaf rust and SFNB, whilst grain samples retained from trials in 2011, 2012, 2013, 2014 and 2015 have been micromalted and assessed for a range of malt quality parameters. Breeders: David Moody, David Tabah, Reg Lance, InterGrain Pty Ltd, Birba Lake, WA 6163, Australia.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	season type	spring type
Ear	development of sterile spikelets	full
Ear	number of rows	two
Lowest leaves	hairiness of leaf sheath	absent
Grain	type	husked
Grain	hairiness of ventral furrow	absent

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Bass'	
'Flinders'	

'La Trobe'
'Commander'

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'La Trobe'	plant growth habit	prostrate	erect	

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

Organ/Plant Part: Context	'Banks'	'Bass'	'Commander'	'Flinders'
<input type="checkbox"/> Kernel: colour of aleurone layer	whitish	whitish	whitish	whitish
<input checked="" type="checkbox"/> Plant: growth habit	prostrate	intermediate	intermediate	prostrate
<input type="checkbox"/> Lowest leaves: hairiness of leaf sheath	absent	absent	absent	absent
<input type="checkbox"/> Flag leaf: anthocyanin coloration of auricles	weak to medium	weak to medium	medium to strong	medium to strong
<input checked="" type="checkbox"/> Ear: Time of emergence	late	medium to late	medium to late	late
<input type="checkbox"/> Flag leaf: glaucosity of sheath	strong	strong	strong	strong
<input checked="" type="checkbox"/> Awns: anthocyanin colouration of tips	strong to very strong	weak	absent or very weak	strong
<input type="checkbox"/> Ear: glaucosity	weak	weak	weak	weak
<input type="checkbox"/> Ear: attitude	semi-erect to horizontal	erect to semi-erect	erect	erect to semi-erect
<input checked="" type="checkbox"/> Plant: length	medium	medium	medium to long	short to medium
<input type="checkbox"/> Ear: number of rows	two	two	two	two
<input type="checkbox"/> Ear: development of sterile spikelets	full	full	full	full
<input type="checkbox"/> Sterile spikelet: attitude	parallel to divergent	divergent	parallel to divergent	parallel to divergent
<input checked="" type="checkbox"/> Ear: shape	slightly tapering	parallel	strongly tapering	parallel
<input type="checkbox"/> Ear: density	medium	sparse to medium	medium to dense	sparse to medium
<input checked="" type="checkbox"/> Ear: length	medium	medium	short to medium	medium
<input checked="" type="checkbox"/> Awn: length	medium	medium to long	long	medium
<input type="checkbox"/> Rachis: curvature of first segment	weak	weak	weak	weak
<input type="checkbox"/> Median spikelet: length of glume and its awn relative to grain	equal	equal	equal	equal
<input checked="" type="checkbox"/> Grain: rachilla hair type	short	long	short	short
<input type="checkbox"/> Grain: type	husked	husked	husked	husked

<input type="checkbox"/> Grain: hairiness of ventral furrow	absent	absent	absent	absent
<input type="checkbox"/> Lemma: shape of base	non-bevelled	non-bevelled	non-bevelled	non-bevelled
<input type="checkbox"/> Seasonal type:	spring type	spring type	spring type	spring type

Statistical Table

Organ/Plant Part: Context	'Banks'	'Bass'	'Commander'	'Flinders'
<input checked="" type="checkbox"/> Ear: Length (mm)				
Mean	78.25	77.30	62.25	70.42
Std. Deviation	5.33	7.25	3.45	7.14
Lsd/sig	16.26	ns	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Plant: Length (cm)				
Mean	73.25	75.95	86.85	70.60
Std. Deviation	2.65	2.70	2.99	2.72
Lsd/sig	7.71	ns	P≤0.01	ns
<input checked="" type="checkbox"/> Awn: Length (mm)				
Mean	85.05	93.95	101.90	85.80
Std. Deviation	4.03	3.43	3.35	5.37
Lsd/sig	12.31	ns	P≤0.01	ns

Prior Applications and Sales:

No prior sale or application.

Description: David Moody, InterGrain Pty Ltd



Hordeum vulgare (Barley) variety 'Banks' with comparators 'Bass', 'Flinders' and 'Commander'

Details of Application

Application Number	2017/181
Variety Name	'Parstarb'
Genus Species	<i>Camellia sasanqua</i>
Common Name	Camellia
Accepted Date	04-Sep-2017
Applicant	The Paradise Seed Company Pty Limited, Kariong, NSW, Australia
Qualified Person	John Robb

Details of Comparative Trial

Location	Kulnura, NSW
Descriptor	Camellia (new) (DRAFT) (<i>Camellia</i> (excluding <i>Camellia sinensis</i>))
Period	2017-2019
Conditions	Plants propagated from cutting, rooted cuttings planted into 200mm pots in a soilless, commercial grade potting mix (pine bark base) and grown under 30% shade in nursery conditions. All plants were subjected to the same chemical treatments for crop protection as required and fed with a slow release fertiliser as required. Trial design: randomised complete block. Measurements: taken from ten plants at random.
Trial Design	Randomised complete block
Measurements	Taken randomly from 10 plants
RHS Chart - edition	5th edition

Origin and Breeding

Controlled pollination: Buds of the seed parent were emasculated in May 2000. Emasculated flowers were hand pollinated several days later using stored pollen from a mixture of male parents. 140 seed resulted from these crosses. These seed were harvested & sown in March 2001. 88 seedlings germinated and were raised to maturity. 'Parstarb' first flowered in 2006 and was propagated via cuttings for further trialling. It was selected as a new variety in 2010 based on flower shape, number of flowers per plants and plant habit. Breeder: The Paradise Seed Company Pty Limited, Kariong, NSW.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	growth habit	upright to semi upright
Leaf blade	length	medium to long
Flower	form	anemone form to semi-double form

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Paradise Belinda'	Similar flower size & flower colour. Sometimes flowers peony, sometimes not.
'Parcaroline'	

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Paroli'	Leaf blade width	broad	very broad	
'Parreb'	Flower diameter	large -very large	large	

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

Organ/Plant Part: Context	'Parstarb'	'Paradise Belinda'	'Parcaroline'
<input type="checkbox"/> *Plant: growth habit	upright	upright	semi-upright
<input type="checkbox"/> Branch: zigzagging	absent	absent	absent
<input checked="" type="checkbox"/> *Plant: density of foliage	dense to very dense	medium	sparse to medium
<input type="checkbox"/> *Leaf: attitude	upwards	upwards	upwards
<input type="checkbox"/> *Leaf: arrangement	alternate	alternate	alternate
<input type="checkbox"/> *Leaf blade: length	medium	medium	medium to long
<input type="checkbox"/> Leaf blade: width	broad	broad	medium to broad
<input type="checkbox"/> *Leaf blade: position of broadest part	middle third	middle third	middle third
<input type="checkbox"/> *Leaf blade: shape of base	rounded	obtuse	acute
<input type="checkbox"/> *Leaf blade: shape of apex	short acuminate	short acuminate	short acuminate
<input type="checkbox"/> *Leaf blade: pubescence on upper side	absent	absent	absent
<input type="checkbox"/> *Leaf blade: thickness	medium	medium	medium
<input type="checkbox"/> *Leaf blade: venation on upper side	weak	weak	weak
<input type="checkbox"/> *Leaf blade: glossiness of upper side	medium	medium	medium
<input type="checkbox"/> *Leaf blade: variegation	absent	absent	absent
<input type="checkbox"/> *Leaf blade: colour of upper side (excluding variegation)	medium green	medium green	medium green
<input type="checkbox"/> Leaf blade: shape in cross section	concave	concave	concave
<input type="checkbox"/> *Leaf blade: margin	serrulate	serrulate	serrulate
<input type="checkbox"/> Petiole: length	short	short	short
<input type="checkbox"/> *Flower bud: arrangement	terminal and axillary	terminal and axillary	terminal and axillary
<input checked="" type="checkbox"/> *Flower: diameter	large to very large	large	small to medium
<input checked="" type="checkbox"/> *Flower: form	anemone form	semi-double	anemone form
<input type="checkbox"/> *Flower: presence of petaloids	present	present	present
<input checked="" type="checkbox"/> *Flower: number of petaloids	very many	few to medium	many
<input checked="" type="checkbox"/> Flower: petaloids	all stamens petaloid	some stamens petaloid	all stamens petaloid and petaloid pistil
<input type="checkbox"/> Petal: thickness	medium	medium	medium
<input type="checkbox"/> *Petal: shape of apex	retuse	rounded	retuse
<input type="checkbox"/> Petal: number of incisions of margin	absent or few	absent or few	absent or few
<input checked="" type="checkbox"/> *Petal: curvature of longitudinal axis	recurved	flat	recurved
<input type="checkbox"/> *Flower: shape of petals of first outer row	obcordate	obovate	obcordate
<input checked="" type="checkbox"/> *Petal: undulation of margin	absent or weak	medium	absent or weak

<input type="checkbox"/> Petal: venation	weak	weak	weak
<input checked="" type="checkbox"/> *Petal: main colour (RHS colour chart)	RHS N57C	PINK RHS 66C	RHS 60D
<input type="checkbox"/> *Petal: intensity of shading of main colour (excluding variegation)	evenly shaded	evenly shaded	evenly shaded
<input type="checkbox"/> *Stamens: arrangement	sasanqua	sasanqua	sasanqua
<input type="checkbox"/> *Time of: flowering	early	early	early

Prior Applications and Sales:

NIL

Description: John Robb, Kulnura, NSW



Camellia (*Camellia sasanqua*) – Candidate 'Parstarb' showing differences in floral characteristics with comparator 'Paradise Belinda' and 'Parcaroline'

Details of Application

Application Number	2017/230
Variety Name	'Kerryn'
Genus Species	<i>Chamelaucium</i> hybrid
Common Name	Waxflower
Accepted Date	08-Sep-2017
Applicant	Helix Australia (Goldsash Corporation Pty Ltd), West Swan, WA, Australia
Qualified Person	Philip Watkins

Details of Comparative Trial

Location	Harris Farm, Regans Ford, WA 6507
Descriptor	TG/225/1 Waxflower (<i>Chamelaucium</i> Desf. and hybrids with <i>Verticordia plumosa</i> Desf. (Druce))
Period	December 2016 - August 2023
Conditions	Plants propagated by cuttings and planted as rows in open field of sandy soil with drip irrigation and fertigation.
Trial Design	10 plants of each variety in a split plot design with 1 metre between plants and 2.5 metre between rows.
Measurements	Made on 10 typical organs from all plants.
RHS Chart - edition	1986

Origin and Breeding

Open pollination: In 2005, a chance seedling within a mixed variety planting of *C. uncinatum* 'Mullering Brook' and various *C. uncinatum* x *micranthum* hybrids including 'Sweet Georgia' was found to have similar flowers to 'Mullering Brook', but earlier flowering and much finer upright stems similar to 'Sweet Georgia'. All subsequent vegetative propagated generations of this plant have been found to display the same growth and flower characteristics with no off-types. Breeder: Western Flora, Eganu, WA.

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
Flowering Branch	angle of axillary shoot	small - medium
Flower	type	single
Flower	arrangement of petals	free
Flower	attitude of petals 4 weeks after opening	horizontal
Plant	time of beginning of flowering	medium - late

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Mullering Brook'	
'Jurien Brook'	

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments

'Jurien Brook'	Flower	colour of petal	RHS 75D - 75A	RHS 77D - 85A
'Jurien Brook'	Plant	time of beginning of flowering	medium (early August)	early (end June)

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

Organ/Plant Part: Context	'Kerry'	'Mullering Brook'
<input type="checkbox"/> Leaf: attitude in relation to stem	semi erect to horizontal	erect to semi erect
<input checked="" type="checkbox"/> Leaf: length	medium	long
<input type="checkbox"/> Leaf: shape in cross section	rounded	rounded
<input type="checkbox"/> Flowering branch: angle of axillary shoot	small	small to medium
<input type="checkbox"/> Flowering branch: location of flowers	both axillary and terminal	both axillary and terminal
<input type="checkbox"/> Flower bud: colour of apex	pink	pink
<input type="checkbox"/> *Flower: type	single	single
<input checked="" type="checkbox"/> *Flower: diameter	medium	small
<input type="checkbox"/> Flower: arrangements of petals	free	free
<input type="checkbox"/> Flower: attitude of petals on day of opening	semi erect	semi erect
<input type="checkbox"/> Flower: attitude of petals 4 weeks after opening	horizontal	horizontal
<input type="checkbox"/> Flower: length of sepal in relation to length of petal	less than one third	less than one third
<input checked="" type="checkbox"/> *Flower: main colour of petals on day of opening (RHS Colour Chart)	75D	65D
<input checked="" type="checkbox"/> *Flower: main colour of petals 10-14 days after opening (RHS Colour Chart)	75C	65A
<input type="checkbox"/> *Flower: main colour of petals 4 weeks after opening (RHS Colour Chart)	75A	-
<input type="checkbox"/> Pedicel: length	medium	medium
<input checked="" type="checkbox"/> Hypanthium: conspicuousness of longitudinal furrowing	medium	strong
<input type="checkbox"/> Hypanthium: shape	obconical	obconical
<input type="checkbox"/> Hypanthium: diameter at widest part	small	small
<input type="checkbox"/> Hypanthium: main colour at middle part	yellow	yellow
<input type="checkbox"/> *Sepal: incision of margin	absent	absent
<input checked="" type="checkbox"/> Petal: ratio length/width	broader than long	as long as broad
<input type="checkbox"/> Petal: undulation of margin	medium	weak
<input type="checkbox"/> Stamen collar: colour at opening of flower	pink	pink
<input type="checkbox"/> Stamen collar: colour 10-14 days after opening of flower	pink	pink
<input type="checkbox"/> Receptacle: colour on day of opening of flower	yellow green	yellow green
<input type="checkbox"/> Receptacle: colour 4 weeks after opening of flower	red brown	

Style: colour
 Time of: beginning of flowering

pink	pink
medium	medium to late

Prior Applications and Sales:

NIL

Description: Philip Watkins, Manunda, QLD



Waxflower (*Chamelaucium* hybrid) - Candidate 'Kerryn' showing differences in floral and foliar characteristics with comparator 'Mullering Brook'

Details of Application

Application Number	2018/020
Variety Name	'Luregust'
Genus Species	<i>Malus domestica</i>
Common Name	Apple
Synonym	N/A
Accepted Date	20-Feb-2018
Applicant	Fruture GmbH, Felben-Wellhausen, Switzerland.
Agent	Red Love Apples Pty Ltd, Lenswood SA.
Qualified Person	Garry Langford

Details of Comparative Trial

Location	Lenswood, South Australia
Descriptor	Apple (<i>Malus domestica</i>) TG/14/9
Period	Trial trees planted in 2015 and observed in 2020
Conditions	The candidate and its comparator are planted in a commercial orchard in the Adelaide Hills. The climate and situation represent an ideal environment for the production of apples.
Trial Design	There are 20 trees of the candidate and the comparator planted on M26 rootstocks in a single row.
Measurements	millimeteres and kilograms
RHS Chart - edition	2001

Origin and Breeding

Controlled pollination: The candidate is the result of a managed crossing program. It was selected from a seedling population based on breeding targets of apple scab resistance and red colour flesh. The candidate has been observed in field trials over four generations, scab resistance has been confirmed by nil infections in trials there have been no scab spraying applications. Breeder: Markus Kobelt, Fruture GmbH, Felben-Wellhausen, Switzerland.

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

Organ/PlantContext		State of Expression in Group of Varieties
Part		
Tree	type	ramified
Tree	habit	upright
Fruit	hue of over colour with bloom removed	Red

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Luresweet'	A similar variety with pink/red flesh

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'RS 1'	fruit general shape	globose	cylindrical	
'RM 1'	leaf incisions of margins	serate type 2	crenate	
'RM 1'	fruit time of harvest	medium	late	

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

Organ/Plant Part: Context	'Luregust'	'Luresweet'
<input type="checkbox"/> Tree: vigour	medium	medium to strong
<input type="checkbox"/> *Tree: type	ramified	ramified
<input type="checkbox"/> *Tree: habit (varieties with ramified tree type only)	upright	upright
<input type="checkbox"/> Tree: type of bearing	on spurs and long shoots	on long shoots only
<input type="checkbox"/> One-year-old shoot: thickness	medium	thin to medium
<input type="checkbox"/> *One-year-old shoot: length of internode	medium	medium to long
<input type="checkbox"/> One-year-old shoot: colour on sunny side	dark brown	dark brown
<input type="checkbox"/> One-year-old shoot: pubescence	weak to medium	medium
<input type="checkbox"/> *One-year-old shoot: number of lenticels	few to medium	medium
<input type="checkbox"/> *Leaf blade: attitude in relation to shoot	upwards	upwards
<input type="checkbox"/> *Leaf blade: length	medium	medium
<input type="checkbox"/> *Leaf blade: width	medium to broad	medium to broad
<input type="checkbox"/> *Leaf blade: ratio length/width	medium to large	medium to large
<input type="checkbox"/> Leaf blade: intensity of green colour	dark	dark to very dark
<input type="checkbox"/> Leaf blade: incisions of margin	serrate type 2	bicrenate
<input type="checkbox"/> Leaf blade: pubescence on lower side	absent or weak	absent or weak
<input type="checkbox"/> *Petiole: length	medium to long	long
<input type="checkbox"/> Petiole: extent of anthocyanin colouration from base	large	large to very large
<input type="checkbox"/> *Flower: predominant colour at balloon stage	dark red	dark red
<input type="checkbox"/> *Flower: diameter with petals pressed into horizontal position	medium	medium to large
<input type="checkbox"/> *Flower: arrangement of petals	free	free
<input type="checkbox"/> Flower: position of stigmas relative to anthers	same level	same level
<input type="checkbox"/> Young fruit: extent of anthocyanin overcolour	very large	large to very large
<input checked="" type="checkbox"/> *Fruit: size	small to medium	medium to large
<input type="checkbox"/> *Fruit: height	short to medium	medium to tall
<input type="checkbox"/> *Fruit: diameter	small to medium	medium
<input type="checkbox"/> *Fruit: ratio height/diameter	small to medium	medium to large
<input checked="" type="checkbox"/> *Fruit: general shape	globose	cylindrical waisted
<input type="checkbox"/> Fruit: ribbing	absent or weak	absent or weak
<input type="checkbox"/> Fruit: crowning at calyx end	absent or weak	absent or weak
<input type="checkbox"/> *Fruit: size of eye	small to medium	medium
<input type="checkbox"/> Fruit: length of sepal	short	very short to short
<input type="checkbox"/> *Fruit: bloom of skin	moderate	moderate
<input type="checkbox"/> Fruit: greasiness of skin	absent or weak	absent or weak

<input type="checkbox"/> *Fruit: ground colour	whitish yellow	not visible
<input type="checkbox"/> *Fruit: relative area of over colour	large	very large
<input type="checkbox"/> *Fruit: hue of over colour – with bloom removed	red	purple red
<input type="checkbox"/> *Fruit: intensity of over colour	medium to dark	dark
<input type="checkbox"/> *Fruit: pattern of over colour	solid flush with weakly defined stripes	solid flush with weakly defined stripes
<input type="checkbox"/> *Fruit: width of stripes	medium	narrow to medium
<input type="checkbox"/> *Fruit: area of russet around stalk attachment	medium	medium
<input type="checkbox"/> Fruit: area of russet on cheeks	absent or small	medium
<input type="checkbox"/> *Fruit: area of russet around eye basin	absent or small	absent or small
<input type="checkbox"/> Fruit: number of lenticels	few to medium	few to medium
<input type="checkbox"/> Fruit: size of lenticels	medium to large	medium
<input type="checkbox"/> *Fruit: length of stalk	short to medium	medium
<input type="checkbox"/> *Fruit: thickness of stalk	medium	medium
<input type="checkbox"/> *Fruit: depth of stalk cavity	medium	medium to deep
<input type="checkbox"/> *Fruit: width of stalk cavity	medium	medium
<input type="checkbox"/> *Fruit: depth of eye basin	shallow	shallow to medium
<input type="checkbox"/> *Fruit: width of eye basin	medium	medium
<input type="checkbox"/> *Fruit: firmness of flesh	medium	medium to firm
<input checked="" type="checkbox"/> *Fruit: colour of flesh	pinkish	reddish
<input type="checkbox"/> *Fruit: aperture of locules	moderately open	closed or slightly open
<input type="checkbox"/> *Time of: beginning of flowering	medium	early to medium
<input type="checkbox"/> Time for: harvest	medium	medium
<input type="checkbox"/> *Time of: eating maturity	medium	medium

Prior Applications and Sales:

Country	Year	Status	Name Applied
CH	2013	Granted	'Luregust'
QZ	2013	Granted	'Luregust'
USA	2014	Granted	'Luregust'

First sold in South Korea in March 2013.

Description: Garry Langford, 35 Turn Creek Road, Grove, 7109 TAS.



Apple (*Malus domestica*) variety fruits of 'Luregust' (Right) with comparator 'Luresweet'(left)

Details of Application

Application Number	2018/218
Variety Name	'SantaCatalina'
Genus Species	<i>Rubus idaeus</i>
Common Name	Raspberry
Accepted Date	26-Aug-2019
Applicant	Consortio Tecnológico de la Industria Hortofrutícola, Santiago, Chile.
Agent	Australian Nurserymen's Fruit Improvement Company (ANFIC) Ltd, Kallangur, Qld.
Qualified Person	Dr Gavin Porter

Details of Comparative Trial

Overseas Testing Authority	CPVO
Overseas Data Reference Number	20152110
Location	Bundessortenamt, Prüfstelle Wurzen
Descriptor	Raspberry (<i>Rubus idaeus</i>), TG/43/8
Period	2018-2019
Conditions	as per TG/43/8
Trial Design	as per TG/43/8
Measurements	as per TG/43/8

Origin and Breeding

Controlled pollination: The new variety was obtained from directed crossing, between a selection of our breeding program and the public variety Coho. After crossing, the seeds were scarified and stratified, for enhanced germination. When the seedlings were obtained, all were established in the field (Santo Domingo) and the first selection was the same season of planting. The main selection criteria used in selecting the new variety was: primocane genotype, high productivity and large fruit size. When the new variety seedling was selected, for the next evaluation the plants were propagated through root cuttings. The first observations were made in February 2012 in Santo Domingo, Valparaiso, Chile. Root cuttings were propagated every season and every time with more plants, and the evaluation was every time stricter. The new variety produced high yields of firm, large fruit. There has been minimal off-types found through 8 generations of propagation. Breeders: Marina Gambardella, Pilar Bañados, Javiera Grez, Elida Contreras, Pontificia Universidad Católica de Chile.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Very young shoot	anthocyanin colouration of apex during rapid growth	present
Spines	presence	present
Fruit	colour	medium red
Fruit	main bearing type	both previous years cane in summer and current years cane in autumn
Time of	beginning of fruit ripening on previous years cane (varieties which fruit on previous years cane in summer)	medium

Time of	beginning of fruit ripening on current years cane (varieties which fruit on current years cane in autumn)	medium to late
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Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Regina'	

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

Organ/Plant Part: Context	'SantaCatalina'	'Regina'
<input type="checkbox"/> Plant: habit	arching	
<input type="checkbox"/> *Plant: number of current season's canes	medium to many	
<input type="checkbox"/> *Very young shoot: anthocyanin colouration of apex during rapid growth	present	
<input type="checkbox"/> *Very young shoot: intensity of anthocyanin colouration of apex during rapid growth	weak to medium	
<input type="checkbox"/> Current season's cane: bloom	weak to medium	
<input type="checkbox"/> Current season's cane: anthocyanin colouration	strong	
<input type="checkbox"/> Current season's cane: length of internode	short to medium	
<input type="checkbox"/> Current season's cane: length of vegetative bud	medium to long	
<input type="checkbox"/> *Dormant cane: length (varieties which fruit on previous season's cane in summer)	medium to long	
<input checked="" type="checkbox"/> *Current season's cane: length (varieties which fruit on current season's cane in autumn)	medium to long	short to medium
<input type="checkbox"/> *Dormant cane: colour (varieties which fruit on previous season's cane in summer)	purplish brown	
<input type="checkbox"/> *Spines: presence	present	
<input type="checkbox"/> *Spines: density (varieties with spines present only)	dense	
<input type="checkbox"/> Spines: size of base (varieties with spines present only)	medium	
<input type="checkbox"/> Spines: length (varieties with spines present only)	short to medium	
<input type="checkbox"/> Spines: colour (varieties with spines present only)	purple	
<input type="checkbox"/> *Leaf: green colour of upper side	medium	
<input type="checkbox"/> *Leaf: predominant number of leaflets	equally three and five	
<input type="checkbox"/> Leaf: profile of leaflets in cross section	concave	
<input type="checkbox"/> *Leaf: rugosity	medium	
<input type="checkbox"/> Leaf: relative position of lateral leaflets	free	
<input type="checkbox"/> Terminal leaflet: length	medium to long	
<input type="checkbox"/> Terminal leaflet: width	medium to broad	
<input type="checkbox"/> Pedicel: number of spines	few to medium	

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

Prior Applications and Sales:

Country	Year	Status	Name Applied
CL	2015	Granted	'Santa Catalina'
QZ	2020	Granted	'Santa Catalina'

First sold in Oct: 2015 in Chile.

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



Raspberry (*Rubus idaeus*) variety 'SantaCatalina'

Details of Application

Application Number	2018/219
Variety Name	'Santa Clara'
Genus Species	<i>Rubus idaeus</i>
Common Name	Raspberry
Accepted Date	20-Aug-2018
Applicant	Consortio Tecnológico de la Industria Hortofrutícola, Santiago, Chile.
Agent	Australian Nurserymen's Fruit Improvement Company (ANFIC) Ltd, Kallangur, Qld.
Qualified Person	Dr Gavin Porter

Details of Comparative Trial

Overseas Testing Authority	CPVO
Overseas Data Reference Number	20152109
Location	Bundessortenamt, Prüfstelle Wurzen
Descriptor	Raspberry (<i>Rubus idaeus</i>), TG/43/8
Period	2018-2019
Conditions	as per TG/43/8
Trial Design	as per TG/43/8
Measurements	as per TG/43/8

Origin and Breeding

Controlled pollination: The new variety was obtained from directed crossing, between a selection of our breeding program and the public variety Coho. After crossing, the seeds were scarified and stratified, for enhanced germination. When the seedlings were obtained, all were established in the field (Santo Domingo) and the first selection was the same season of planting. The main selection criteria used in selecting the new variety was: primocane genotype, high productivity and large fruit size. When the new variety seedling was selected, for the next evaluation the plants were propagated through root cuttings. Observations were first made in February 2021 in Santo Domingo, Valparaiso, Chile. Root cuttings were propagated every season and every time with more plants, and the evaluation was every time stricter. The new variety produced high yields of firm, large fruit. There has been minimal off-types found through 8 generations of propagation. Breeders: Marina Gambardella, Pilar Bañados, Javiera Grez, Elida Contreras, Pontificia Universidad Católica de Chile.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Very young shoot	anthocyanin colouration of apex during rapid growth	present
Spines	Presence	present
Fruit	Colour	medium red
Fruit	Main earing type	both previous years cane in summer and current years cane in autumn
Time of	beginning of fruit ripening on previous years cane (varieties which fruit on previous years cane in summer)	early
Time of	beginning of fruit	late

ripening on current years cane (varieties which fruit on current years cane in autumn)

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Driscoll Madonna'	
'Driscoll Pacifica'	

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

Organ/Plant Part: Context	'Santa Clara'	'Driscoll Madonna'	'Driscoll Pacifica'
<input type="checkbox"/> Plant: habit	arching		
<input type="checkbox"/> *Plant: number of current season's canes	many		
<input type="checkbox"/> *Very young shoot: anthocyanin colouration of apex during rapid growth	present		
<input type="checkbox"/> *Very young shoot: intensity of anthocyanin colouration of apex during rapid growth	weak to medium		
<input checked="" type="checkbox"/> Current season's cane: bloom	strong to very strong		medium
<input type="checkbox"/> Current season's cane: anthocyanin colouration	medium		
<input type="checkbox"/> Current season's cane: length of internode	short to medium		
<input type="checkbox"/> Current season's cane: length of vegetative bud	medium		
<input type="checkbox"/> *Dormant cane: length (varieties which fruit on previous season's cane in summer)	long		
<input type="checkbox"/> *Current season's cane: length (varieties which fruit on current season's cane in autumn)	long		
<input checked="" type="checkbox"/> *Dormant cane: colour (varieties which fruit on previous season's cane in summer)	brown	purplish brown	purplish brown
<input type="checkbox"/> *Spines: presence	present		
<input type="checkbox"/> *Spines: density (varieties with spines present only)	medium to dense		
<input checked="" type="checkbox"/> Spines: size of base (varieties with spines present only)	small	large	

<input type="checkbox"/> Spines: length (varieties with spines present only)	medium
<input checked="" type="checkbox"/> Spines: colour (varieties with spines present only)	brown purple
<input type="checkbox"/> *Leaf: green colour of upper side	medium to dark
<input type="checkbox"/> *Leaf: predominant number of leaflets	equally three and five
<input type="checkbox"/> Leaf: profile of leaflets in cross section	convex
<input type="checkbox"/> *Leaf: rugosity	medium
<input type="checkbox"/> Leaf: relative position of lateral leaflets	touching
<input type="checkbox"/> Terminal leaflet: length	medium to long
<input type="checkbox"/> Terminal leaflet: width	medium to broad
<input type="checkbox"/> Pedicel: number of spines	few to medium
<input type="checkbox"/> *Peduncle: presence of anthocyanin colouration	present
<input type="checkbox"/> *Peduncle: intensity of anthocyanin colouration	weak to medium
<input type="checkbox"/> Flower: size	medium to large
<input type="checkbox"/> Fruiting lateral: attitude (varieties which fruit on previous year's cane in summer)	semi-erect
<input type="checkbox"/> *Fruiting lateral: length (varieties which fruit on previous year's cane in summer)	medium to long
<input type="checkbox"/> *Fruit: length	long
<input type="checkbox"/> *Fruit: width	broad
<input type="checkbox"/> *Fruit: ratio length/width	large
<input type="checkbox"/> *Fruit: general shape in lateral view	conical
<input type="checkbox"/> Fruit: size of single drupe	medium to large
<input type="checkbox"/> *Fruit: colour	medium red
<input type="checkbox"/> Fruit: glossiness	medium to strong
<input type="checkbox"/> *Fruit: firmness	firm
<input type="checkbox"/> Fruit: adherence to plug	medium



Raspberry (*Rubus idaeus*) variety 'Santa Clara'

Details of Application

Application Number	2018/237
Variety Name	'Buff'
Genus Species	<i>Hordeum vulgare</i>
Common Name	Barley
Accepted Date	04-Sep-2018
Applicant	Agriculture Victoria Services Pty Ltd, Bundoora, Vic 3083
Qualified Person	David Watson

Details of Comparative Trial

Location	Horsham
Descriptor	Barley (<i>Hordeum vulgare</i>) TG/19/11
Period	June 2018 to December 2018
Conditions	Trial was sown in Winter into good moisture. Conditions were average during Winter with a wettish Spring and soft late finish.
Trial Design	Randomized block design with 2 replicates. Plots 1.25cm wide and 6m long (5 rows and 250mm spacing)
Measurements	Measurements taken from 10 specimens per plot, selected at random. One measurement per plant.
RHS Chart - edition	N/A

Origin and Breeding

Controlled pollination: A complex series of intercrosses were developed as follows: The breeding line 'VB0330' was backcrossed either 3 or 4 times to each of 4 donor parents. Genomic regions from each of the donor parents were selected during backcrossing using molecular markers. At the completion of the backcrossing phase, selected F1 plants from the 4 backcross streams (described as the A, B, C and D streams) were intercrossed in 2007 as follows: (AxB) x (CxD). 3,390 seeds were produced by hand emasculation and cross pollination. This population of seeds was grown as spaced plants at South Perth in 2010 and assayed using 7 molecular markers to identify 16 plants that were heterozygous at all 7 marker loci. Seeds harvested from each of these plants were progressed to homozygosity using SSD. F5 generation derivatives of the SSD process were sown as spaced plants in over the summer of 2011/12. Seed from 1,294 single plant selections from this population were grown in double row observation plots at Freeling, SA. Molecular markers and visual selection for agronomically suitable plant were used to select 194 lines from this population for yield evaluation at 4 sites with soil pH below 5 in 2013. Subsequent yield, quality and disease resistance evaluation occurred in InterGrain's national Stage 2 trial system during 2014. The line 07MINTD-224-2-016 was identified as a promising candidate, named IGB1506 and promoted to Stage 3 trials in 2015. In 2016 and 2017 IGB1506 was included in National Variety Trials in WA and included in national NVT in 2017. Selection was predominately for grain yield on acidic soils and malting quality. In 2018, IGB1506 was named Buff and was accepted by Barley Australia for malting accreditation trials. Breeder: Dr David Moody Department of Economic Development, Jobs, Transport and Resources, Bundoora, Vic 3083.

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
Ear	Number of rows	Two
Plant	Season type	Spring type
Grain	type	Husked
Ear	development of sterile	full

spikelets

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Litmus'	
'Compass'	
'Yambla'	
'La Trobe'	

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Yambla'	harvest maturity	early	medium to Late	
'La Trobe'	rachilla Hair type	long	short	

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

Organ/Plant Part: Context	'Buff'	'Compass'	'Fathom'	'Litmus'
<input type="checkbox"/> Kernel: colour of aleurone layer	whitish	whitish	whitish	light grey blue
<input type="checkbox"/> Plant: growth habit	semi-erect	intermediate	semi-erect to intermediate	semi-erect
<input type="checkbox"/> Lowest leaves: hairiness of leaf sheath	absent	absent	absent	absent
<input type="checkbox"/> Flag leaf: anthocyanin coloration of auricles	weak	medium to strong	medium	absent or very weak
<input type="checkbox"/> Ear: Time of emergence	early to medium	early to medium	early	very early
<input type="checkbox"/> Flag leaf: glaucosity of sheath	strong to very strong	medium to strong	weak to medium	weak
<input type="checkbox"/> Awns: anthocyanin colouration of tips	absent or very weak	weak	absent or very weak	absent or very weak
<input type="checkbox"/> Ear: attitude	erect to semi-erect	horizontal to semi-drooping	semi-erect	semi-drooping to drooping
<input checked="" type="checkbox"/> Plant: length	short	medium	medium	medium
<input type="checkbox"/> Ear: number of rows	two	two	two	two
<input type="checkbox"/> Ear: development of sterile spikelets	full	full	full	full
<input type="checkbox"/> Sterile spikelet: attitude	parallel to divergent	parallel to divergent	parallel to divergent	parallel to divergent
<input type="checkbox"/> Ear: shape	slightly tapering	slightly tapering	slightly tapering	parallel
<input type="checkbox"/> Ear: density	medium to dense	medium to dense	medium to dense	sparse to medium
<input checked="" type="checkbox"/> Ear: length	short to medium	medium	medium	medium to long
<input checked="" type="checkbox"/> Awn: length	medium	long	medium to long	medium to long
<input type="checkbox"/> Rachis: curvature of first segment	weak to	absent or very absent or		medium to

<input type="checkbox"/>	Median spikelet: length of glume and its awn relative to grain	medium	weak	very weak	strong
<input type="checkbox"/>	Grain: rachilla hair type	equal	equal	equal	equal
<input type="checkbox"/>	Grain: type	long	long	long	long
<input type="checkbox"/>	Grain: hairiness of ventral furrow	husked	husked	husked	husked
<input type="checkbox"/>	Seasonal type:	absent	absent	absent	absent
		spring type	spring type	spring type	spring type

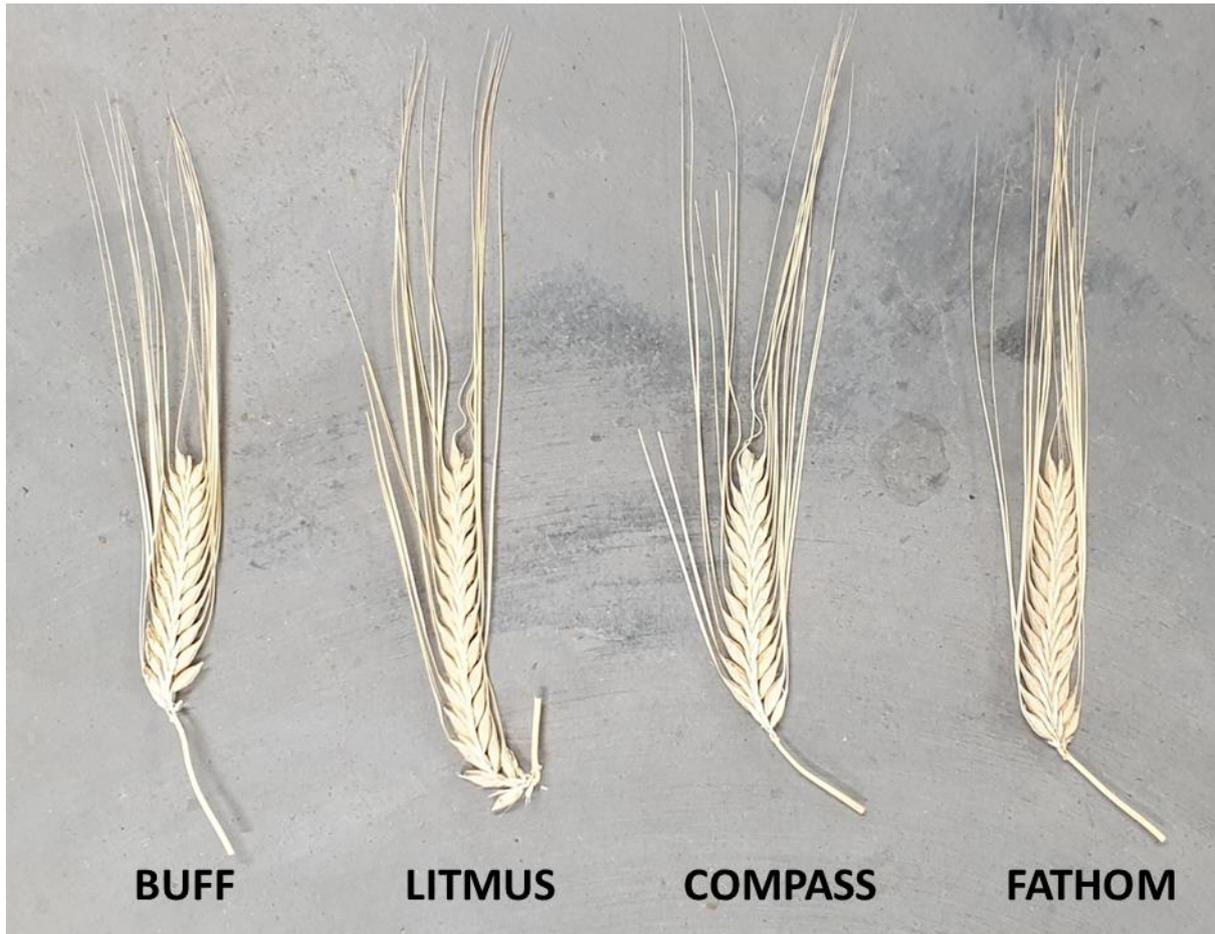
Statistical Table

Organ/Plant Part: Context	'Buff'	'Compass'	'Fathom'	'Litmus'
<input checked="" type="checkbox"/> Ear : Length (cm)				
Mean	6.71	7.02	7.24	8.42
Std. Deviation	0.37	0.20	0.24	0.28
Lsd/sig	1.257	ns	ns	P≤0.01
<input checked="" type="checkbox"/> Awn: Length (mm)				
Mean	80.15	92.50	88.20	87.65
Std. Deviation	3.69	5.30	5.73	5.15
Lsd/sig	10.43	P≤0.01	ns	ns
<input checked="" type="checkbox"/> Plant: Length (cm)				
Mean	64.90	75.05	76.40	76.85
Std. Deviation	1.68	2.28	1.50	2.01
Lsd/sig	5.10	P≤0.01	P≤0.01	P≤0.01

Prior Applications and Sales:

No prior sale or application.

Description: David Moody



Hordeum vulgare (Barley) variety 'Buff' with comparators 'Litmus' 'Compass' and 'Fathom'

Details of Application

Application Number	2019/094
Variety Name	'Parsteph'
Genus Species	<i>Camellia sasanqua</i>
Common Name	Camellia
Accepted Date	04-Jun-2019
Applicant	The Paradise Seed Company Pty Limited, Kariong, NSW, Australia
Qualified Person	John Robb

Details of Comparative Trial

Location	Kulnura, NSW.
Descriptor	Camellia (new) (DRAFT) (<i>Camellia</i> (excluding <i>Camellia sinensis</i>))
Period	2017-2019
Conditions	Plants propagated from cutting, rooted cuttings planted into 200mm pots in a soilless, commercial grade potting mix (pine bark base) and grown under 30% shade in nursery conditions. All plants were subjected to the same chemical treatments for crop protection as required and fed with a slow release fertiliser as required.
Trial Design	Randomised complete block
Measurements	Taken randomly from 10 plants
RHS Chart - edition	5th edition

Origin and Breeding

Controlled pollination: Buds of the seed parent were emasculated in May 2004. Emasculated flowers were hand pollinated several days later using stored pollen from the male parent. 84 seed resulted from these crosses. These seed were harvested & sown in April 2005. 40 seedlings germinated and were raised to maturity. 'Parsteph' first flowered in 2011 and was propagated via cuttings for further trialling. It was selected as a new variety in 2014 based on flower form, flower colour and vigorous, upright plant habit. Breeder: The Paradise Seed Company Pty Limited, Kariong, NSW.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	growth habit	upright to semi upright
Flower	diameter	medium to large
Leaf blade	width	medium to broad

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Parann'	Most similar in flower colour, form & plant habit

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Parchar'	Leaf blade	width	medium to broad	medium to broad	
'Parreb'	Flower	form	semi double	peony form	
'Pareli'	Plant	density of foliage	sparse	medium to	

'Jennifer Susan'	Leaf blade	width	medium to broad	dense narrow
'Sparkling Burgundy'	Plant	growth habit	upright	spreading

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

Organ/Plant Part: Context	'Parsteph'	'Parann'
<input checked="" type="checkbox"/> *Plant: growth habit	upright	semi-upright
<input type="checkbox"/> Branch: zigzagging	absent	absent
<input checked="" type="checkbox"/> *Plant: density of foliage	sparse	medium
<input type="checkbox"/> *Leaf: attitude	upwards	upwards
<input type="checkbox"/> *Leaf: arrangement	alternate	alternate
<input type="checkbox"/> *Leaf blade: length	medium	short to medium
<input type="checkbox"/> Leaf blade: width	medium to broad	broad
<input type="checkbox"/> *Leaf blade: position of broadest part	middle third	middle third
<input type="checkbox"/> *Leaf blade: shape of base	rounded	rounded
<input type="checkbox"/> *Leaf blade: shape of apex	short acuminate	short acuminate
<input type="checkbox"/> *Leaf blade: pubescence on upper side	absent	absent
<input type="checkbox"/> *Leaf blade: thickness	medium	medium
<input type="checkbox"/> *Leaf blade: venation on upper side	weak	weak
<input type="checkbox"/> *Leaf blade: glossiness of upper side	medium	medium
<input type="checkbox"/> *Leaf blade: variegation	absent	absent
<input checked="" type="checkbox"/> *Leaf blade: colour of upper side (excluding variegation)	light green	medium green
<input checked="" type="checkbox"/> Leaf blade: shape in cross section	flat	concave
<input type="checkbox"/> *Leaf blade: margin	serrulate	serrulate
<input type="checkbox"/> Petiole: length	short	short
<input type="checkbox"/> *Sepal: shape	obovate	obovate
<input type="checkbox"/> *Sepal: colour of outer side	brown	brown
<input type="checkbox"/> *Flower bud: arrangement	terminal and axillary	terminal and axillary
<input checked="" type="checkbox"/> *Flower: diameter	medium to large	medium
<input checked="" type="checkbox"/> *Flower: form	semi-double	peony form
<input type="checkbox"/> *Flower: presence of petaloids	present	present
<input checked="" type="checkbox"/> *Flower: number of petaloids	few to medium	medium to many
<input checked="" type="checkbox"/> Flower: petaloids	some stamens petaloid	all stamens petaloid and petaloid pistil
<input type="checkbox"/> Petal: thickness	medium	medium
<input checked="" type="checkbox"/> *Petal: shape of apex	rounded	obtuse
<input type="checkbox"/> Petal: number of incisions of margin	absent or few	absent or few
<input type="checkbox"/> *Petal: curvature of longitudinal axis	incurved	incurved

- *Flower: shape of petals of first outer row
- *Petal: undulation of margin
- *Petal: venation
- *Petal: main colour (RHS colour chart)
- *Petal: intensity of shading of main colour (excluding variegation)
- *Petal: secondary colour (RHS colour chart)
- *Petal: pattern of secondary colour
- *Stamens: arrangement
- *Style: number of splits
- *Style: position of splitting
- *Stigma: position in relation to stamens
- *Time of: flowering

obovate	obovate
absent or weak	medium
weak	weak
N57C	64D
darkest in the marginal zone	evenly shaded
N57D	
central bar	
sasanqua	sasanqua
three	
high	
below	
early to medium	early

Prior Applications and Sales:

NIL

Description: John Robb, Kulnura, NSW



'Parsteph'

Camellia (Camellia sasanqua) variety 'Parsteph'

Details of Application

Application Number	2019/095
Variety Name	'Parisa'
Genus Species	<i>Camellia sasanqua</i>
Common Name	Camellia
Accepted Date	04-Jun-2019
Applicant	The Paradise Seed Company Pty Limited, Kariong, NSW, Australia
Qualified Person	John Robb

Details of Comparative Trial

Location	Kulnura, NSW.
Descriptor	Camellia (new) (DRAFT) (<i>Camellia</i> (excluding <i>Camellia sinensis</i>))
Period	2017-2020
Conditions	Plants propagated from cutting, rooted cuttings planted into 200mm pots in a soilless, commercial grade potting mix (pine bark base) and grown under 30% shade in nursery conditions. All plants were subjected to the same chemical treatments for crop protection as required and fed with a slow release fertiliser as required.
Trial Design	Randomised complete block
Measurements	Taken randomly from 10 plants
RHS Chart - edition	5th edition

Origin and Breeding

Controlled pollination: Buds of the seed parent were emasculated in May 2000. Emasculated flowers were hand pollinated several days later using stored pollen from the male parent. 39 seed resulted from these crosses. These seed were harvested & sown in March 2001. 28 seedlings germinated and were raised to maturity. 'Parisa' first flowered in 2005 and was propagated via cuttings for further trialling. It was selected as a new variety in 2007 based on flower colour, earliness to flower, number of flowers per plant and desirable plant habit. Breeder: The Paradise Seed Company Pty Limited, Kariong, NSW.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	growth habit	upright to semi-upright
Plant	density of foliage	medium to dense
Leaf blade	length	medium
Petal (upper)	main colour	red

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Parcrim'	

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Parspark'	Plant density of foliage	medium to dense	dense to very dense	
'Yuletide'	Leaf blade length	medium	very short to short	

'Parjoa'	Plant	density of foliage	medium to dense	sparse
'Bonanza'	Plant	growth habit	upright	spreading

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

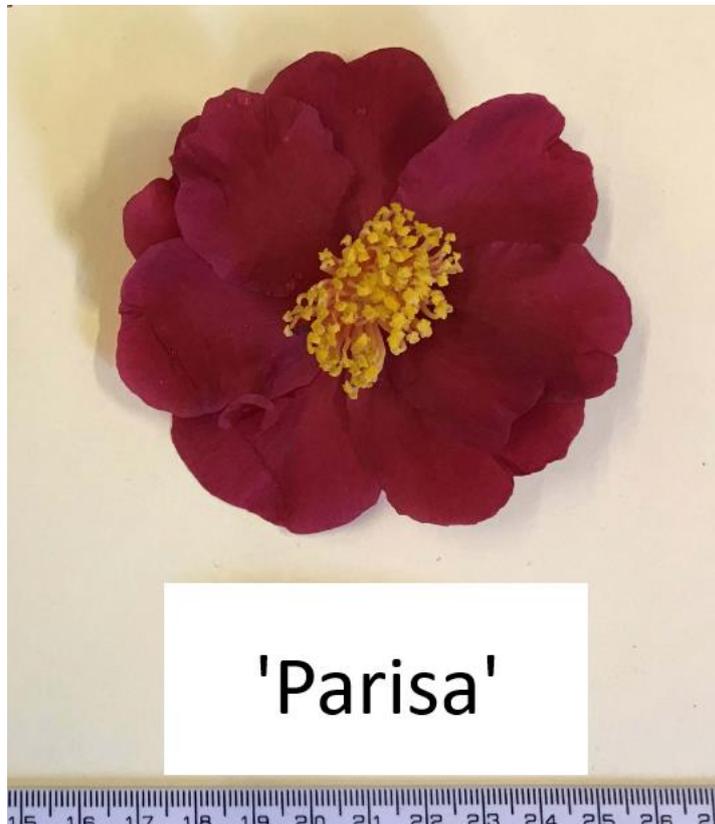
Organ/Plant Part: Context	'Parisa'	'Parcrim'
<input checked="" type="checkbox"/> *Plant: growth habit	upright	semi-upright
<input type="checkbox"/> Branch: zigzagging	absent	absent
<input checked="" type="checkbox"/> *Plant: density of foliage	medium to dense	medium
<input type="checkbox"/> *Leaf: attitude	outwards	outwards
<input type="checkbox"/> *Leaf: arrangement	alternate	alternate
<input type="checkbox"/> *Leaf blade: length	medium	medium
<input type="checkbox"/> Leaf blade: width	broad	narrow
<input type="checkbox"/> *Leaf blade: position of broadest part	middle third	middle third
<input checked="" type="checkbox"/> *Leaf blade: shape of base	rounded	obtuse
<input type="checkbox"/> *Leaf blade: shape of apex	short acuminate	short acuminate
<input type="checkbox"/> *Leaf blade: pubescence on upper side	absent	absent
<input type="checkbox"/> *Leaf blade: thickness	medium	medium
<input type="checkbox"/> *Leaf blade: venation on upper side	weak	weak
<input type="checkbox"/> *Leaf blade: glossiness of upper side	medium	medium
<input type="checkbox"/> *Leaf blade: variegation	absent	absent
<input type="checkbox"/> *Leaf blade: colour of upper side (excluding variegation)	medium green	medium green
<input type="checkbox"/> Leaf blade: shape in cross section	concave	concave
<input type="checkbox"/> *Leaf blade: margin	serrulate	serrulate
<input checked="" type="checkbox"/> Petiole: length	medium	short
<input type="checkbox"/> *Flower bud: arrangement	terminal and axillary	terminal and axillary
<input checked="" type="checkbox"/> *Flower: diameter	medium	medium to large
<input type="checkbox"/> *Flower: form	semi-double	semi-double
<input type="checkbox"/> *Flower: presence of petaloids	present	present
<input type="checkbox"/> *Flower: number of petaloids	very few	very few
<input type="checkbox"/> Flower: petaloids	some stamens petaloid	some stamens petaloid
<input type="checkbox"/> Petal: thickness	medium	medium
<input checked="" type="checkbox"/> *Petal: shape of apex	retuse	obtuse
<input checked="" type="checkbox"/> Petal: number of incisions of margin	absent or few	medium
<input checked="" type="checkbox"/> *Petal: curvature of longitudinal axis	flat	recurved
<input type="checkbox"/> *Flower: shape of petals of first outer row	obcordate	obcordate
<input checked="" type="checkbox"/> *Petal: undulation of margin	absent or weak	medium
<input type="checkbox"/> Petal: venation	weak	weak

<input type="checkbox"/> *Petal: main colour (RHS colour chart)	53B-C	60B
<input type="checkbox"/> *Petal: intensity of shading of main colour (excluding variegation)	evenly shaded	evenly shaded
<input type="checkbox"/> *Stamens: arrangement	sasanqua	sasanqua
<input type="checkbox"/> Style: number of splits	three	
<input type="checkbox"/> Style: position of splitting	high	
<input type="checkbox"/> *Stigma: position in relation to stamens	below	
<input checked="" type="checkbox"/> *Time of: flowering	early to medium	medium

Prior Applications and Sales:

Nil

Description: John Robb, Kulnura, NSW



Camellia (*Camellia sasanqua*) variety 'Parisa'

Details of Application

Application Number	2019/186
Variety Name	'Wildebeast'
Genus Species	<i>Lactuca sativa L.</i>
Common Name	Lettuce
Accepted Date	01-Oct-2019
Applicant	Enza Zaden Beheer B.V., Enkhuizen, The Netherlands
Agent	Spruson & Ferguson, Brisbane, QLD, Australia
Qualified Person	Stephen Kammholz

Details of Comparative Trial

Location	Narromine, NSW, Australia.
Descriptor	TG/13/11
Period	15-09-2019 to 20-01-2020
Conditions	Trial was conducted during a warm and very dry summer. Plants were grown in a plastic roofed seed production tunnel directly in the soil. Plants were trickle irrigated. Standard commercial agronomic practices were used to manage the trial.
Trial Design	Completely randomised design. Replicated with 30 plants per replication (60 plants total).
Measurements	As per the UPOV requirements.
RHS Chart - edition	N/A

Origin and Breeding

Controlled pollination: 'Wildebeast' is derived from a cross made in France during 2013. After 4 cycles of selection based on head size, leaf colour, leaf quality, tolerance to bolting, tip burn and Bremia resistance the variety was numbered E01L.30486. The variety has been evaluated in a diverse range of lettuce production regions and also evaluated for uniformity and stability. Breeder: Magali Lemont, Enza Zaden Research & Development B.V., Enkhuizen, The Netherlands.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Leaf	anthocyanin colouration	absent or very weak
Leaf	attitude	erect
Leaf	blistering	absent or very weak

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Bushmaster'	
'Skilton'	
'Eztron'	

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

Organ/Plant Part: Context	'Wildebeast'	'Bushmaster'	'Eztron'	'Skilton'
<input checked="" type="checkbox"/> Seed: colour	brown	brown	brown	white
<input checked="" type="checkbox"/> Plant: diameter	medium	medium to large	very small to small	small
<input type="checkbox"/> Plant: degree of overlapping of	absent or	absent or weak	absent or	absent or weak

upper part of leaves	weak		weak	
<input type="checkbox"/> Plant: number of leaves	medium to many	medium to many	medium to many	medium to many
<input type="checkbox"/> Leaf: attitude	erect	erect	erect	erect
<input checked="" type="checkbox"/> Leaf: number of divisions	medium	many to very many	many	many
<input checked="" type="checkbox"/> Leaf: width of lobes	narrow	narrow	very narrow to narrow	very narrow
<input type="checkbox"/> Leaf: anthocyanin colouration	absent or very weak	absent or very weak	absent or very weak	absent or very weak
<input checked="" type="checkbox"/> Leaf: colour	green	green	green	yellowish green
<input checked="" type="checkbox"/> Leaf: intensity of green colour	medium to dark	medium	medium	medium
<input type="checkbox"/> Leaf: glossiness of upper side	absent or very weak	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/> Leaf: thickness	thin	thin	thin	thin
<input type="checkbox"/> Leaf: blistering	absent or very weak	absent or very weak	absent or very weak	absent or very weak
<input checked="" type="checkbox"/> Leaf: undulation of margin	strong	very strong	strong	strong
<input type="checkbox"/> Leaf: type of incisions of margin	tridentate	tridentate	tridentate	tridentate
<input type="checkbox"/> Leaf: depth of incisions of margin	very deep	very deep	very deep	very deep
<input checked="" type="checkbox"/> Leaf: depth of secondary incisions of margin	shallow to medium	medium to deep	medium to deep	medium
<input type="checkbox"/> Leaf: density of incisions of margin	dense	dense	dense	dense
<input type="checkbox"/> Leaf: venation	semi-flabellate	semi-flabellate	semi-flabellate	semi-flabellate
<input checked="" type="checkbox"/> Head: size	medium to large	large	medium	small
<input checked="" type="checkbox"/> Stem: length	long	medium	medium	medium
<input checked="" type="checkbox"/> Stem: width	broad	narrow	narrow	narrow
<input checked="" type="checkbox"/> Stem: shape in longitudinal section	conical	cylindrical	cylindrical	cylindrical
<input type="checkbox"/> Stem: colour	whitish green	whitish green	whitish green	whitish green
<input checked="" type="checkbox"/> Stem: colour of flesh	light green	whitish green	whitish green	light green
<input type="checkbox"/> Plant: axillary sprouting	absent or weak	absent or weak	absent or weak	absent or weak
<input type="checkbox"/> Bolting stem: fasciation	absent or very weak	absent or very weak	absent or very weak	absent or very weak

Prior Applications and Sales:

First sold in Australia in August 2018.

Description: Stephen Kammholz, Tullamarine, VIC, 3043.



'Wildebeast'

'Bushmaster'

'Eztron'

'Skilton'

Lettuce (*Lactuca sativa* L.) variety 'Wildebeast' showing differences in growth habit and foliage with comparators 'Bushmaster', 'Eztron' and 'Skilton'

Details of Application

Application Number	2019/206
Variety Name	'PBA Royal'
Genus Species	<i>Cicer arietinum</i>
Common Name	Chickpea
Accepted Date	30-Oct-2019
Applicant	Agriculture Victoria Services Pty Ltd, Bundoora, Vic 3083; Grains Research and Development Corporation, Barton, ACT 2600
Qualified Person	Kristy Hobson

Details of Comparative Trial

Location	Tamworth Agricultural Institute, Calala, NSW 2340
Descriptor	Chickpea (<i>Cicer arietinum</i>)
Period	July to December 2023
Conditions	The field trial was conducted at the Tamworth Agricultural Institute, rainfed and sown in July 2023. Seeds were sown in plots consisting of 4 single rows (0.35m apart) and 4m long (cut back from 6m). Plants were sown to achieve a target density of 30 plants/m ² . The trial was managed to control insect and foliar diseases. The trial was disease free. Growing season rainfall was below average.
Trial Design	Randomised complete block design with six replicates
Measurements	The following measurements were conducted on 10 random single plants collected from 4 replicates at maturity: plant height, height to lowest pod, peduncle length, pod width, pod length, pod width, number of seeds per pod. The weight of 100 grains was measured on machine harvested plot samples from 4 replicates.

RHS Chart - edition**Origin and Breeding**

Controlled pollination of 'Genesis079'/'FLIP97-530C' occurred at Horsham in 2004 followed by bulk breeding method to advance the population to F3. Pod selections were taken from the F3 population in 2006 and advanced via single seed descent to F5 in a glasshouse. The F5 fixed line was tested in an Ascochyta blight nursery at Horsham in 2007 and identified as moderately resistant. Included in yield trials in southern Australia from 2008 and northern Australia from 2011. Pedigree seed is a composite of 90 single plant progeny (F9) having uniform plant type, maturity and seed characteristics. PBA Royal was developed by Dr Kristy Hobson, Dr Michael Materne at Agriculture Victoria Research, Victorian Department of Jobs, Precincts and Regions, Horsham, Vic 3401

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	time of flowering	medium
Stem	anthocyanin coloration	absent
Seed	type	kabuli
Seed	colour	yellow
Flower	colour	white

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Almaz'	

'Genesis Kalkee'

'PBA Magnus'

'PBA Monarch'

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Genesis 090'	seed: weight	medium	low	

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

Organ/Plant Part: Context	'PBA Royal'	'Almaz'	'Genesis Kalkee'	'PBA Magnus'	'PBA Monarch'
<input checked="" type="checkbox"/> Plant: growth habit	erect to semi-erect	erect to semi-erect	erect	erect	erect
<input checked="" type="checkbox"/> Plant: ramification	weak to medium	weak to medium	weak to medium	weak	weak
<input checked="" type="checkbox"/> Plant: height	medium	short to medium	short to medium	short	short
<input type="checkbox"/> Stem: anthocyanin colouration	absent	absent	absent	absent	absent
<input type="checkbox"/> Foliage: intensity of green colour	medium	medium	medium	medium	medium
<input type="checkbox"/> Leaflet: size	small to medium	small to medium	small to medium	small to medium	small to medium
<input type="checkbox"/> Leaf: type	pinnate	pinnate	pinnate	pinnate	pinnate
<input type="checkbox"/> Plant: time of flowering	medium	medium	medium	medium	medium
<input type="checkbox"/> Flower: colour	white	white	white	white	white
<input checked="" type="checkbox"/> Pod: peduncle length	medium	short	short	short	short
<input checked="" type="checkbox"/> Pod: size	medium	medium	large	large	large
<input type="checkbox"/> Pod: intensity of green colour	medium	medium	medium	medium	medium
<input type="checkbox"/> Pod: length of beak	medium	medium	medium	short	medium
<input checked="" type="checkbox"/> Pod: number of seeds	predominantly one and one	one and two	predominantly one	predominantly one	predominantly one
<input type="checkbox"/> Seed: colour	yellow	yellow	yellow	yellow	yellow
<input type="checkbox"/> Seed: intensity of colour	medium	medium	medium	medium	medium
<input checked="" type="checkbox"/> Seed: weight	medium	medium	medium	high	medium
<input checked="" type="checkbox"/> Seed: shape	round	round to angular	round to angular	round to angular	round to angular
<input checked="" type="checkbox"/> Seed: ribbing	weak	weak to medium	medium	medium	weak to medium
<input type="checkbox"/> Plant: time of seed maturity	medium	medium	medium	medium	medium
<input type="checkbox"/> seed: type (additional characteristics)	kabuli	kabuli	kabuli	kabuli	kabuli

Statistical Table

Organ/Plant Part: Context	'PBA Royal'	'Almaz'	'Genesis Kalkee'	'PBA Magnus'	'PBA Monarch'
☒ Plant: Height (cm)					
Mean	39.25	39.80	39.28	38.54	33.33
Std. Deviation	2.98	3.90	3.49	3.00	1.97
Lsd/sig	1.212	ns	ns	ns	P≤0.01
☒ Plant: Height to first pod (cm)					
Mean	30.48	31.13	30.95	28.73	25.56
Std. Deviation	2.84	4.49	3.82	3.26	2.28
Lsd/sig	1.3012/0	ns	ns	P=0.01	P≤0.01
☒ Pod: Peduncle length (mm)					
Mean	15.13	11.99	11.22	11.54	12.05
Std. Deviation	2.16	2.21	1.92	1.76	1.89
Lsd/sig	0.7786/0	P≤0.01	P≤0.01	P≤0.01	P≤0.01
☒ Pod: Length (mm)					
Mean	22.46	22.11	24.80	24.67	24.73
Std. Deviation	1.20	1.99	1.40	1.43	1.62
Lsd/sig	0.5836/0	ns	P≤0.01	P≤0.01	P≤0.01
☒ Pod: Width (mm)					
Mean	10.30	9.94	10.47	11.72	11.24
Std. Deviation	0.57	1.10	0.73	0.68	0.51
Lsd/sig	0.2822/0	P≤0.01	ns	P≤0.01	P≤0.01
☒ Pod: Depth (mm)					
Mean	10.26	10.01	11.31	12.27	11.50
Std. Deviation	0.62	1.12	0.78	0.70	0.83
Lsd/sig	0.3059	ns	P≤0.01	P≤0.01	P≤0.01
☒ Pod: Number of seeds per pod					
Mean	1.14	1.35	1.33	1.05	1.23
Std. Deviation	0.35	0.48	0.47	0.22	0.42
Lsd/sig	0.146/0.0001	P≤0.01	P≤0.01	ns	ns
☒ Seed: Weight (grams)					
Mean	25.85	30.95	34.08	45.66	35.54
Std. Deviation	1.54	1.09	1.37	2.62	2.02
Lsd/sig	1.075	P≤0.01	P≤0.01	P≤0.01	P≤0.01

Prior Applications and Sales:

No prior sale or application.

Description: Kristy Hobson, Calala, NSW 2340.



Cicer arietinum (Chickpea) varieties 'PBA Royal', 'Almaz', 'Genesis Kalkee', 'PBA Magnus' and 'PBA Monarch'

Details of Application

Application Number	2019/227
Variety Name	'ASUKI'
Genus Species	<i>Citrus</i> hybrid
Common Name	Mandarin
Accepted Date	21-Nov-2019
Applicant	National Agriculture and Food Research Organization,3-1-1 Kannondai, Tsukuba-shi, Ibaraki, Japan
Agent	IP Solved (ANZ) Pty. Ltd., Sydney, NSW
Qualified Person	Wayne Parr

Details of Comparative Trial

Overseas Testing Authority	Plant Variety Protection Office, Japan
Overseas Data Reference Number	32235
Location	Shizuoka-shi, Shizuoka, Japan
Descriptor	Mandarins (<i>Citrus</i> group - 1)
Period	2021
Conditions	On-site inspection by PVP office Shizuoka-shi, Shizuoka, Japan
Trial Design	N/A
Measurements	N/A
RHS Chart - edition	N/A

Origin and Breeding

Controlled pollination: It originated from a cross between 'Kankitsu Okitsu 46 go' and 'Harumi' that was performed in 1992 at the Okitsu Branch, Fruit Tree Research Station, Shizuoka, Japan. In 1994 it was grafted on Satsuma mandarin as inter-stock for promoting flowering and then was first flowering in 1997. It was initially selected in 2005, From 2006, when it was designated 'Kankitsu Okitsu 60 go'. It was included in the 10th citrus selection nation trial, which was conducted at 29 experimental stations in Japan. It was ultimately selected in August 2016 and applied for registration in Japan. Breeder's: Terutaka YOSHIOKA, Toshio YOSHIDA, Hirohisa NESUMI, Satoshi OTA, Masayuki KITA, Takeshi KUNIGA, Mutsuko NONOMURA, Naoko NAKAJIMA, Hiroko HAMADA, Keisuke NONAKA, and Fumitaka TAKISHITA. National Agriculture and Food Research Organisation, Japan.

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	weight	
Fruit	sweetness	
Fruit	acidity	
Plant	time of maturity	

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Asumi'	
'Setoka'	

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

Organ/Plant Part: Context	'ASUKI'	'Asumi'	'Setoka'
<input type="checkbox"/> *Tree: growth habit	spreading		

<input checked="" type="checkbox"/>	Tree: density of spines	absent or sparse	dense	dense
<input type="checkbox"/>	Leaf blade: length	medium		
<input type="checkbox"/>	Leaf blade: width	narrow		
<input type="checkbox"/>	Leaf blade: ratio length/width	medium to large		
<input type="checkbox"/>	Leaf blade: shape of apex	obtuse		
<input type="checkbox"/>	Petiole: length	medium		
<input type="checkbox"/>	Flower: length of petal	short to medium		
<input type="checkbox"/>	Flower: width of petal	very broad		
<input type="checkbox"/>	Anther: colour	light yellow		
<input type="checkbox"/>	Anther: viable pollen	present		
<input type="checkbox"/>	*Fruit: ratio length/diameter	small		
<input type="checkbox"/>	*Fruit: general shape of proximal part	flattened		
<input type="checkbox"/>	Fruit: number of radial grooves at stalk end	absent or few		
<input type="checkbox"/>	*Fruit surface: predominant colours	medium orange		
<input type="checkbox"/>	Fruit surface: roughness	smooth		
<input type="checkbox"/>	Fruit surface: size of oil glands	larger ones interspersed by smaller ones		
<input checked="" type="checkbox"/>	*Fruit rind: thickness	thin	very thin	very thin
<input type="checkbox"/>	*Fruit rind: adherence to flesh	medium		
<input type="checkbox"/>	Fruit: colour of albedo	light yellow		
<input type="checkbox"/>	Fruit: filling of core	sparse		
<input checked="" type="checkbox"/>	Fruit: diameter of core	medium to large	very small	very small
<input type="checkbox"/>	Fruit: juiciness	high		
<input type="checkbox"/>	Fruit juice: acidity	high		
<input type="checkbox"/>	Fruit: number of seeds (open pollination)	medium		

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'ASUKI'	'Asumi'	'Setoka'
<input type="checkbox"/> Tree: height	medium		

Prior Applications and Sales:

Country	Year	Status	Name Applied
Japan	2019	Granted	'ASUKI'
Korea	2019	Applied	'ASUKI'
USA	2018	Applied	'ASUKI'

Prior Sales: Nil**Description:** Wayne Parr, Torbanlea, QLD



Mandarin (*Citrus* hybrid) variety 'ASUKI'

Details of Application

Application Number	2020/001
Variety Name	'Mendoza'
Genus Species	<i>Peperomia caperata</i>
Accepted Date	13-Jan-2020
Applicant	Garteneriet Tingdal ApS, Odense, Denmark
Agent	Dan's Plants, Heatherton, VIC, Australia
Qualified Person	Mark Lunghusen

Details of Comparative Trial

Location	Heatherton, VIC
Descriptor	PBR PEPE Peperomia
Period	Autumn 2020
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

Origin and Breeding

Controlled pollination followed by seedling selection: The female parent, *Peperomia caperata* 'Teresa' was pollinated with pollen from *Peperomia caperata* 'Eden Rosso' in 2015. Seed was collected from this crossing, sown, germinated and grown on to a large size. The breeder selected the candidate variety based on plant habit, leaf colour and leaf size. Cuttings were taken from this selected plant in May 2016 and grown on to determine that the variety is stable and uniform. Breeder: Per Siggard Christensen, Garteneriet Tingdal ApS, Odense, Denmark.

Choice of Comparators

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	growth type	rosette
Leaf Blade	shape	ovate

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Brasilia'	
'Dans-Sunrise'	
'Eden Rosso'	
'Napoli Lights'	
'Peppermill'	
'Piccolo Banda'	

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

Organ/Plant Part: Context	'Mendoza'	'Brasilia'	'Dans-Sunrise'	'Eden Rosso'	'Napoli Lights'	'Peppermill'	'Piccolo Banda'
<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	medium to short	short to medium	medium	short to very short	very short	short to

<input type="checkbox"/> Plant: width	medium to broad	tall broad	medium medium	medium to broad	medium medium	to short medium to broad	medium broad
<input checked="" type="checkbox"/> Plant: number of leaves	medium to many	medium to many	medium	medium	medium	few	medium to many
<input type="checkbox"/> Leaf: attaching manner of blade on petiole	peltate	peltate	peltate	peltate	peltate	peltate	peltate
<input type="checkbox"/> Leaf: attitude	semi-erect	semi-erect	semi-erect	semi-erect	semi-erect	horizontal	horizontal
<input checked="" type="checkbox"/> Leaf blade: length	long	long	short to medium	medium to long	short	medium to long	medium
<input type="checkbox"/> Leaf blade: width	narrow to medium	narrow to medium	narrow	narrow to medium	very narrow to narrow	medium	medium
<input checked="" type="checkbox"/> Leaf blade: ratio length/width	high	high to very high	medium	high	medium to high	medium	medium to high
<input type="checkbox"/> Leaf blade: shape	ovate	ovate	ovate	ovate	ovate	ovate	ovate
<input type="checkbox"/> Leaf blade: shape of apex	acute	acute	acute	acute	acute	acute	acute
<input type="checkbox"/> Leaf blade: shape of base	cordate	cordate	cordate	cordate	cordate		cordate
<input type="checkbox"/> Leaf blade: shape of cross section	concave	concave	concave	concave	concave	flat	concave
<input type="checkbox"/> Young leaf blade: main colour on upper side (RHS Colour Chart)	189C	187A	N189B	N189B	N189C	189C	195A
<input type="checkbox"/> Young leaf blade: secondary colour on upper side (RHS Colour Chart)	183A	absent	187A	187A	187A	187B	187A
<input type="checkbox"/> Young leaf blade: distribution of secondary colour on upper side	on vein	absent	on vein	on vein	on vein	on vein	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)	N187B	N189C	N187B	N189A	189A	N189C	191A
<input type="checkbox"/> Leaf blade: secondary colour on upper side (RHS Colour Chart)	N189A	absent	N189A	N187A	N187A	N189A	N187A
<input type="checkbox"/> Leaf blade: distribution of secondary colour on upper side	on vein	absent	on vein				
<input type="checkbox"/> Leaf blade: number of colours on lower side	one	one	two	one	one	one	one
<input type="checkbox"/> Leaf blade: main colour on lower side (RHS Colour Chart)	184B	184A	198D	181A	176B	194A	194B
<input type="checkbox"/> Leaf blade: secondary colour on lower side (RHS Colour Chart)	absent	absent	183C	absent	absent	absent	absent
<input type="checkbox"/> Petiole: hairs	absent or very few						

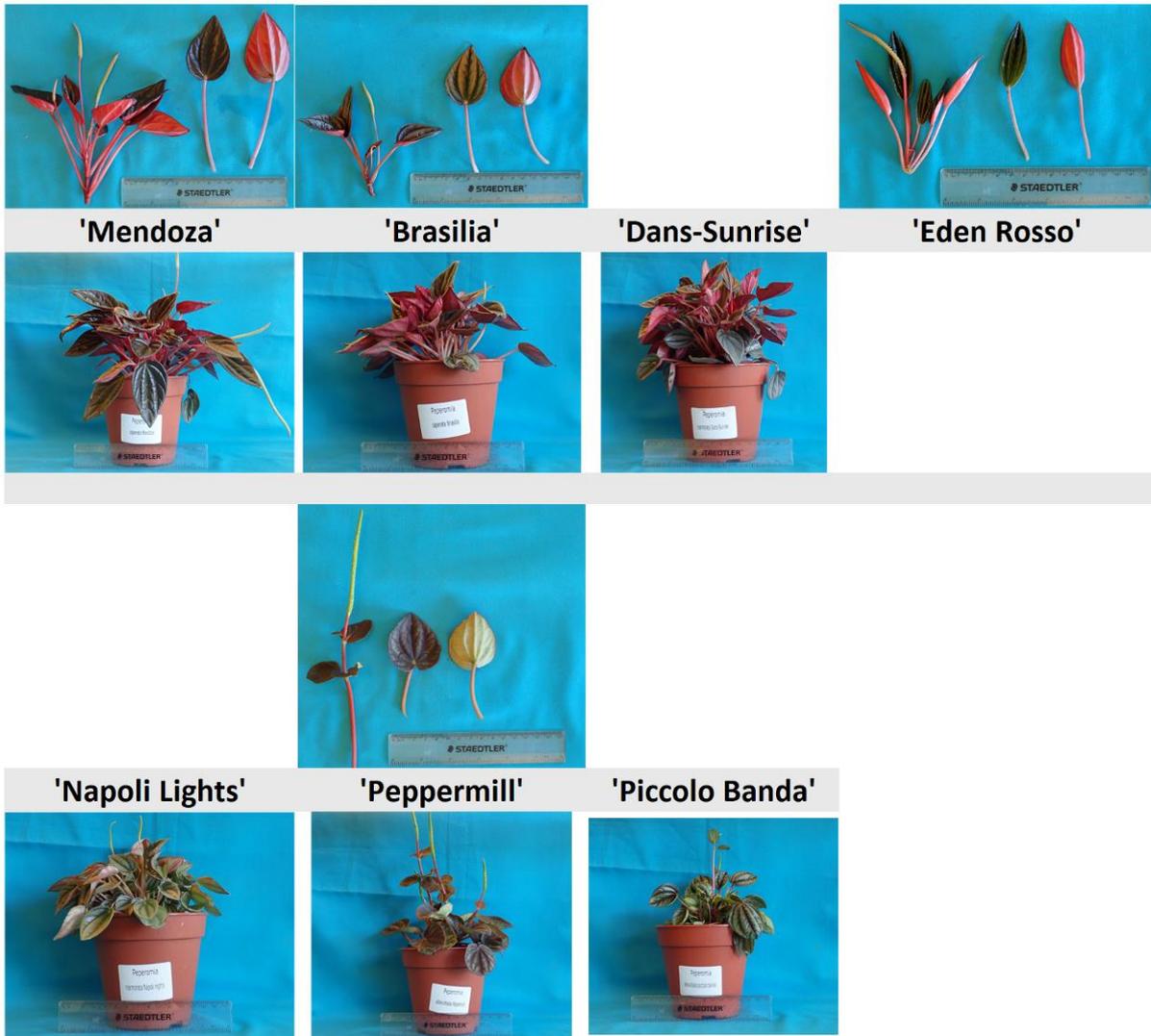
Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Mendoza'	'Brasilia'	'Dans-Sunrise'	'Eden Rosso'	'Napoli Lights'	'Peppermill'	'Piccolo Banda'
<input type="checkbox"/> Young Leaf Blade: shape	cordate	cordate	orbicular	lanceolate	cordate	cordate	cordate
<input checked="" type="checkbox"/> Leaf Blade: Colour of Vein on Lower Side	59A	59A	187B	187B	59A	137C	137D
<input checked="" type="checkbox"/> Young Leaf Blade: Number of colours on upper Side	two	one	two	two	two	two	two
<input checked="" type="checkbox"/> Petiole: Colour	reddish	reddish	reddish	reddish	greenish	reddish	reddish

Prior Applications and Sales:

Nil

Description: Mark Lunghusen, Wonga Park, VIC, 3115



Peperomia caperata – Candidate 'Mendoza' showing differences in growth and leaf characteristics with comparators 'Brasilia', 'Dans-Sunrise', 'Eden Rosso', 'Napoli Lights', 'Peppermill' and 'Piccolo Banda'.

Details of Application

Application Number	2020/012
Variety Name	'Brasilia'
Genus Species	<i>Peperomia caperata</i>
Accepted Date	17-Feb-2020
Applicant	Garteneriet Tingdal ApS, Odense, Denmark
Agent	Dan's Plants, Heatherton, VIC, Australia
Qualified Person	Mark Lunghusen

Details of Comparative Trial

Location	Heatherton, VIC
Descriptor	PBR PEPE Peperomia
Period	Autumn 2020
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

Origin and Breeding

Controlled pollination followed by seedling selection. The female parent *Peperomia caperata* 'Teresa' was pollinated with pollen from *Peperomia caperata* 'Eden Rosso' in 2015. The breeder selected the candidate variety based on plant habit, leaf colour and leaf size. Cuttings were taken from this plant in May 2016 and grown on to determine that the variety is stable and uniform. Breeder: Per Siggard Christensen, Garteneriet Tingdal ApS, Odense, Denmark.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	growth type	rosette
Leaf Blade	shape	ovate

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
<i>Peperomia</i> 'Dan's Sunrise'	
<i>Peperomia</i> 'Eden Rosso'	
<i>Peperomia</i> 'Mendoza'	
<i>Peperomia</i> 'Napoli Nights'	
<i>Peperomia</i> 'Peppermil'	
<i>Peperomia</i> 'Piccolo Banda'	

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

Organ/Plant Part:	<i>Peperomia</i> 'Brasilia'	<i>Peperomia</i> 'Eden Rosso'	<i>Peperomia</i> 'Dan's Sunrise'	<i>Peperomia</i> 'Mendoza'	<i>Peperomia</i> 'Napoli Nights'	<i>Peperomia</i> 'Peppermil I'	<i>Peperomia</i> 'Piccolo Banda'
<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 very short	medium to very short	short to medium	medium	short to medium	very short	short to medium

<input type="checkbox"/> Plant: width	tall	to short	medium	medium	medium	to short	medium
<input type="checkbox"/> Plant: number of leaves	broad	medium to broad	medium	medium to broad	medium	medium to broad	broad
<input type="checkbox"/> Leaf: attaching manner of blade on petiole	medium to many	few	medium	medium to many	medium	few	medium to many
<input type="checkbox"/> Leaf: attitude	peltate	peltate	peltate	peltate	peltate	peltate	peltate
<input checked="" type="checkbox"/> Leaf blade: length	semi-erect	semi-erect	semi-erect	semi-erect	semi-erect	horizontal	semi-erect
<input type="checkbox"/> Leaf blade: width	long	medium to long	short	long	short	medium to long	medium
<input checked="" type="checkbox"/> Leaf blade: ratio length/width	narrow to medium	narrow to medium	narrow	narrow	very narrow to narrow	medium	medium
<input type="checkbox"/> Leaf blade: shape	high to very high	high	medium	high	medium to high	medium	medium to high
<input type="checkbox"/> Leaf blade: shape of apex	ovate	ovate	ovate	ovate	ovate	ovate	ovate
<input type="checkbox"/> Leaf blade: shape of base	acute	acute	acute	acute	acute	acute	acute
<input type="checkbox"/> Leaf blade: shape of cross section	cordate	cordate	cordate	cuneate	cordate	cordate	cordate
<input type="checkbox"/> Young leaf blade: main colour on upper side (RHS Colour Chart)	concave	concave	concave	concave	concave	flat	concave
<input type="checkbox"/> Young leaf blade: secondary colour on upper side (RHS Colour Chart)	187A	N139B	N189B	189C	N189C	189C	195A
<input type="checkbox"/> Young leaf blade: distribution of secondary colour on upper side	187A	187A	187A	183A	187A	187B	187A
<input checked="" type="checkbox"/> Leaf blade: number of colours on upper side	on vein	on vein	on vein	on vein	on vein	on vein	on vein
<input type="checkbox"/> Leaf blade: main colour on upper side (RHS Colour Chart)	one	two	two	two	two	two	two
	N189C	N189A	N187B	N187B	189A	N189C	191A

<input checked="" type="checkbox"/> Leaf blade: secondary colour on upper side (RHS Colour Chart)	absent	N187A	N189A	N189A	N187A	N189A	N187A
<input type="checkbox"/> Leaf blade: distribution of secondary colour on upper side	on vein						
<input type="checkbox"/> Leaf blade: number of colours on lower side	one						
<input type="checkbox"/> Leaf blade: main colour on lower side (RHS Colour Chart)	184A	181A	N187B	184B	176B	194A	194B
<input type="checkbox"/> Petiole: hairs	absent or very few						
<input type="checkbox"/> Petiole: colour (RHS Colour Chart)	reddish	reddish	reddish	red	greenish	reddish	reddish

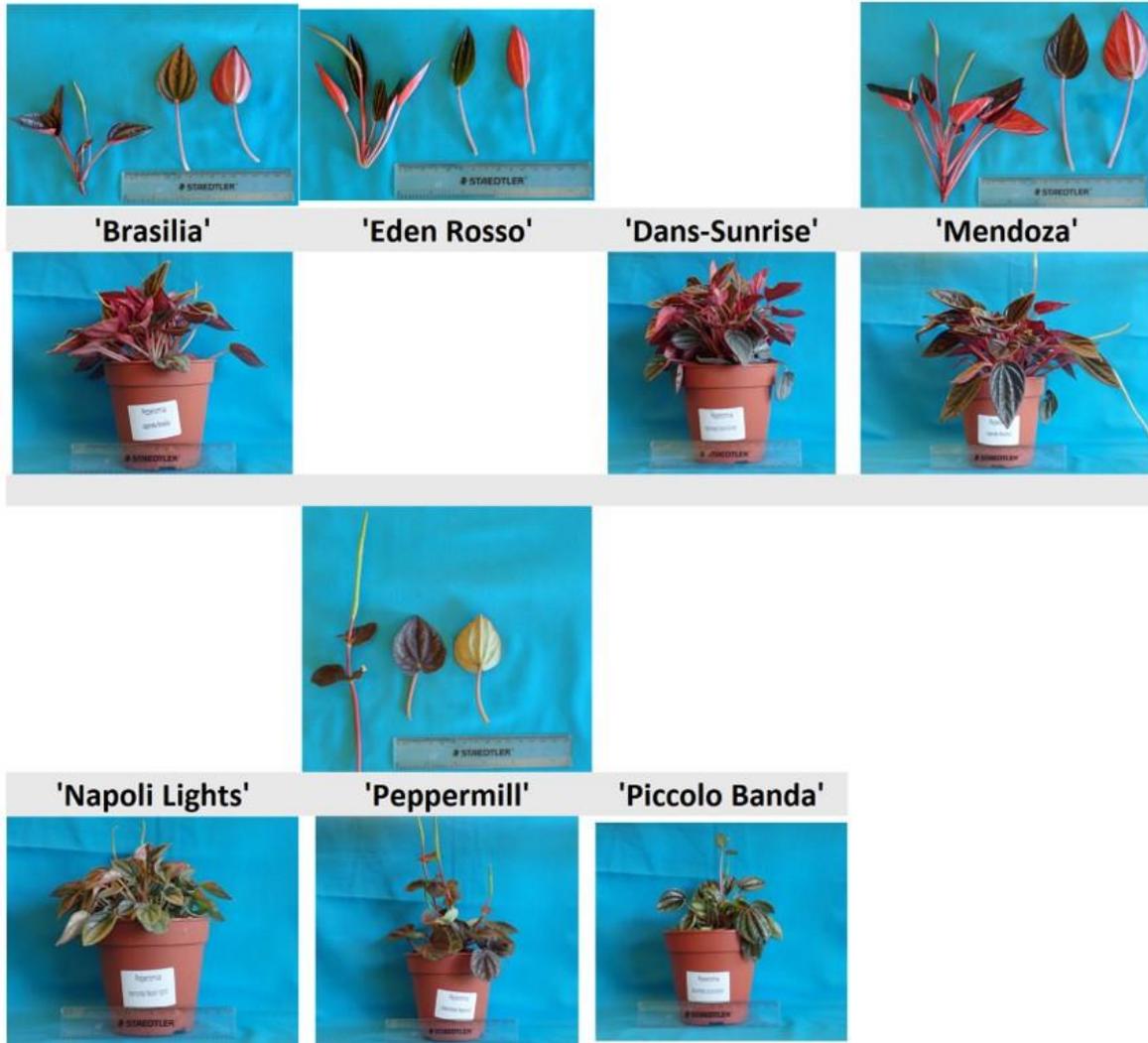
Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	<i>Brasilia</i>	<i>Peperomia 'Eden Rosso'</i>	<i>Peperomia 'Dan's Sunrise'</i>	<i>Peperomia 'Mendoza'</i>	<i>Peperomia 'Napoli Nights'</i>	<i>Peperomia 'Peppermil I'</i>	<i>Peperomia 'Piccolo Banda'</i>
<input checked="" type="checkbox"/> Young Leaf Blade: shape	cordate	lanceolate	orbicular	cordate	cordate	cordate	cordate
<input checked="" type="checkbox"/> Leaf Blade: Colour of Vein on Lower Side	59A	187B	187B	59A	59A	137C	137D
<input checked="" type="checkbox"/> Young Leaf Blade: Number of colours on upper Side	one	two	one	two	two	two	two

Prior Applications and Sales:

Nil

Description: Mark Lunghusen, Wonga Park, VIC



Peperomia caperata – Candidate 'Brasilia' showing differences in growth and leaf characteristics with comparators 'Eden Rosso', 'Dans-Sunrise', 'Mendoza', 'Napoli Lights', 'Peppermill' and 'Piccolo Banda'.

Details of Application

Application Number	2020/019
Variety Name	'LICLUS02'
Genus Species	<i>Clusia rosea</i>
Common Name	Clusia
Accepted Date	03-Mar-2020
Applicant	Licro B.V., UITHOORN, The Netherlands
Agent	Foote Intellectual Property Limited, Lower Hutt, New Zealand
Qualified Person	Ian Paananen

Details of Comparative Trial

Overseas Testing Authority	Naktuinbouw, The Netherlands
Overseas Data Reference Number	CLA 5 (CPVO reference 2018/2120)
Location	Roelofarendsveen, The Netherlands
Descriptor	SSP/CLA/1
Period	2021
Conditions	according to CPVO descriptor
Trial Design	as per Naktuinbouw, NL Test report CLA 5
Measurements	as per Naktuinbouw, NL Test report CLA 5
RHS Chart - edition	2015

Origin and Breeding

Spontaneous mutation: parent 'Princess' in 2015. The parent is characterised by large, dark green leaves with moderate branching habit. Selection took place in Uithoorn, The Netherlands in 2015. Selection criteria: Freely branching habit and small dark green leaves. Propagation: vegetative cuttings and micropropagation are found to be uniform and stable. Breeder: Johan Kamerman, Uithoorn, The Netherlands.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	growth habit	erect
Leaf	undulation of margin	weak
Leaf	curvature of longitudinal axis	straight

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'White Star'	

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'LICLUS01' Plant	width ca. 30-35 cm		ca. 55-65 cm	LICLUS01 also has a stronger waxy layer on leaf blade and smaller leaf blade size

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

Organ/Plant Part: Context	'LICLUS02'	'White Star'
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<input type="checkbox"/>	Plant: growth habit	erect
<input type="checkbox"/>	Plant: height	short
<input type="checkbox"/>	Plant: width	narrow
<input checked="" type="checkbox"/>	Leaf: length of blade	short to medium medium to long
<input checked="" type="checkbox"/>	Leaf: width of blade	narrow to medium medium to broad
<input type="checkbox"/>	Leaf: length of petiole	medium
<input type="checkbox"/>	Leaf: shape	obovate
<input type="checkbox"/>	Leaf: shape of apex	acute
<input type="checkbox"/>	Leaf: type of incision	entire
<input type="checkbox"/>	Leaf: undulation of the margin	weak
<input type="checkbox"/>	Leaf: shape of cross-section	concave
<input type="checkbox"/>	Leaf: curvature of longitudinal axis	straight

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'LICLUS02'	'White Star'
<input type="checkbox"/> Leaf blade: colour of upper side (RHS)	ca. 137A	
<input type="checkbox"/> Leaf blade: colour of main vein upper side (RHS)	ca. 137C	
<input type="checkbox"/> Leaf blade: colour of margin of upper side	light green	
<input type="checkbox"/> Leaf blade: colour of lower side (RHS)	ca. 137D	
<input type="checkbox"/> Leaf blade: colour of main vein lower side (RHS)	ca. 138A	
<input type="checkbox"/> Leaf blade: colour of margin of lower side	light green	
<input type="checkbox"/> Side branches: angle to main axis	60° - 70°	
<input type="checkbox"/> Stem: thickness	Ca. 11-13 mm	
<input type="checkbox"/> Stem: shape	round	
<input type="checkbox"/> Stem: colour (RHS)	ca. 143B	
<input type="checkbox"/> Leaf blade: waxy layer	weak	

Prior Applications and Sales:

Country	Year	Status	Name Applied
Canada	2019	Granted	'LICLUS02'
EU	2018	Granted	'LICLUS02'
UK	2022	Granted	'LICLUS02'
USA	2017	Granted	'LICLUS02'

Prior Sales: Nil

Description: Ian Paananen, Crop & Nursery Services, MacMasters Beach, NSW



Clusia (*Clusia rosea*) variety 'LICLUS02'

Details of Application

Application Number	2020/192
Variety Name	'PBA Magnus'
Genus Species	<i>Cicer arietinum</i>
Common Name	Chickpea
Synonym	Magnus
Accepted Date	22-Oct-2020
Applicant	Agriculture Victoria Services Pty Ltd, Bundoora, Vic 3083; Grains Research and Development Corporation, Barton, ACT 2600
Qualified Person	Kristy Hobson

Details of Comparative Trial

Location	Tamworth Agricultural Institute, Calala, NSW 2340
Descriptor	Chickpea (<i>Cicer arietinum</i>) TG/143/5
Period	July to December 2023
Conditions	The field trial was conducted at the Tamworth Agricultural Institute, rainfed and sown in July 2023. Seeds were sown in plots consisting of 4 single rows (0.35m apart) and 4m long (cut back from 6m). Plants were sown to achieve a target density of 30 plants/m ² . The trial was managed to control insect and foliar diseases. The trial was disease free. Growing season rainfall was below average.
Trial Design	Randomised complete block design with six replicates
Measurements	The following measurements were conducted on 10 random single plants collected from 4 replicates at maturity: plant height, height to lowest pod, peduncle length, pod width, pod length, pod width, number of seeds per pod. The weight of 100 grains was measured on machine harvested plot samples from 4 replicates.

RHS Chart - edition**Origin and Breeding**

Controlled pollination of 02-336C and 'Genesis 114' occurred at Horsham in 2003. The F1 was multiplied in a glasshouse at the Grains Innovation Park in 2004 (-04HG1009) followed by a bulk breeding method to advance the population to F4. Single plant selections were taken in the field at Horsham from the F4 population in 2007 (-07HO4002). The F5 fixed line was tested in an Ascochyta blight nursery at Horsham in 2008 and identified as moderately resistant to the isolates at the time. The fixed line was included in yield trials in Victoria from 2009, South Australia from 2010, New South Wales from 2011 and Queensland from 2012. Pedigree seed is a composite of 110 single plant progeny (F10) having uniform plant type, maturity and seed characteristics. Breeder: Dr Kristy Hobson, Dr Michael Materne at Agriculture Victoria Research, Victorian Department of Jobs, Precincts and Regions, Horsham, Vic 3401.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	time of flowering	medium
Stem	anthocyanin coloration	absent
Seed	type	kabuli
Flower	colour	white
Seed	colour	yellow

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Genesis Kalkee'	
'Almaz'	
'PBA Royal'	
'PBA Monarch'	

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Genesis 090'	seed weight	high	low	

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

Organ/Plant Part: Context	'PBA Magnus'	'Almaz'	'Genesis Kalkee'	'PBA Monarch'	'PBA Royal'
<input checked="" type="checkbox"/> Plant: growth habit	erect	erect	erect	erect	erect to semi-erect
<input checked="" type="checkbox"/> Plant: ramification	weak	weak to medium	weak to medium	weak	weak to medium
<input checked="" type="checkbox"/> Plant: height	short	short to medium	short to medium	short	medium
<input type="checkbox"/> Stem: anthocyanin colouration	absent	absent	absent	absent	absent
<input type="checkbox"/> Foliage: intensity of green colour	medium	medium	medium	medium	medium
<input type="checkbox"/> Leaflet: size	small to medium	small to medium	small to medium	small to medium	small to medium
<input type="checkbox"/> Leaf: type	pinnate	pinnate	pinnate	pinnate	pinnate
<input type="checkbox"/> Plant: time of flowering	medium	medium	medium	medium	medium
<input type="checkbox"/> Flower: colour	white	white	white	white	white
<input checked="" type="checkbox"/> Pod: peduncle length	short	short	short	short	medium
<input checked="" type="checkbox"/> Pod: size	large	medium	large	large	medium
<input type="checkbox"/> Pod: intensity of green colour	medium	medium	medium	medium	medium
<input checked="" type="checkbox"/> Pod: length of beak	short	medium	medium	medium	medium
<input checked="" type="checkbox"/> Pod: number of seeds	predominantly one	one and two	predominantly one	predominantly one	predominantly one
<input type="checkbox"/> Seed: colour	yellow	yellow	yellow	yellow	yellow
<input type="checkbox"/> Seed: intensity of colour	medium	medium	medium	medium	medium
<input checked="" type="checkbox"/> Seed: weight	high	medium	medium	medium to high	medium
<input checked="" type="checkbox"/> Seed: shape	round to angular	round to angular	round to angular	round to angular	round
<input checked="" type="checkbox"/> Seed: ribbing	medium	weak to	medium	weak to	weak

<input type="checkbox"/>	Plant: time of seed maturity	medium	medium	medium	medium	medium
<input type="checkbox"/>	seed: type (additional characteristics)	kabuli	kabuli	kabuli	kabuli	kabuli

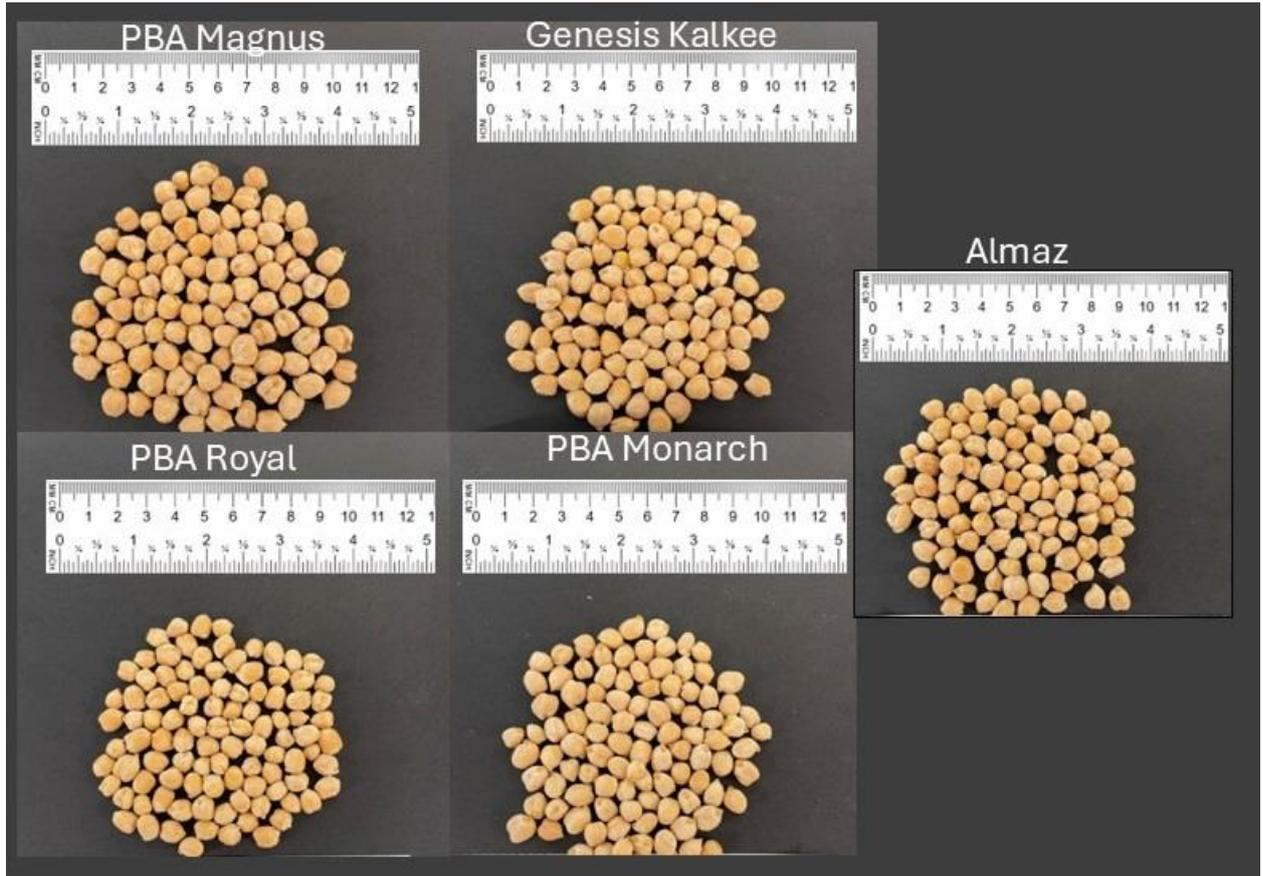
Statistical Table

Organ/Plant Part: Context	'PBA Magnus'	'Almaz'	'Genesis Kalkee'	'PBA Monarch'	'PBA Royal'
<input checked="" type="checkbox"/> Plant: height (cm)					
Mean	38.54	39.80	39.28	35.33	39.25
Std. Deviation	3.00	3.90	3.49	1.97	2.98
Lsd/sig	1.212/0	P≤0.01	ns	P≤0.01	ns
<input checked="" type="checkbox"/> Pod: peduncle length (mm)					
Mean	11.55	11.99	11.22	12.05	11.54
Std. Deviation	1.76	2.21	1.92	1.89	2.21
Lsd/sig	0.7786	ns	ns	ns	P≤0.01
<input checked="" type="checkbox"/> Pod: length (mm)					
Mean	24.67	22.11	24.80	24.73	22.46
Std. Deviation	1.43	1.99	1.40	1.62	1.20
Lsd/sig	0.583/0	P≤0.01	ns	ns	P≤0.01
<input checked="" type="checkbox"/> Pod: width (mm)					
Mean	11.72	9.94	10.47	11.24	10.30
Std. Deviation	0.68	1.10	0.73	0.51	0.57
Lsd/sig	0.282/0	P≤0.01	P≤0.01	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Pod: depth (mm)					
Mean	12.27	10.02	11.31	11.50	10.26
Std. Deviation	0.70	1.12	0.78	0.83	0.62
Lsd/sig	0.306/0	P≤0.01	P≤0.01	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Seed: number of seeds per pod					
Mean	1.05	1.35	1.23	1.23	1.14
Std. Deviation	0.22	0.48	0.47	0.42	0.35
Lsd/sig	0.146/0.0001	P≤0.01	P≤0.01	P≤0.01	ns
<input checked="" type="checkbox"/> Seed: weight (grams)					
Mean	45.66	30.95	34.54	34.54	25.85
Std. Deviation	2.62	1.09	1.40	2.02	1.54
Lsd/sig	1.075/0	P≤0.01	P≤0.01	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Plant: height to first pod (cm)					
Mean	28.73	31.13	30.95	25.56	30.48
Std. Deviation	3.26	4.49	3.82	2.28	2.84
Lsd/sig	1.301/0	P≤0.01	P≤0.01	P≤0.01	P≤0.01

Prior Applications and Sales:

No prior sale or application.

Description: Kristy Hobson, Calala, NSW 2340.



Cicer arietinum (Chickpea) varieties 'PBA Royal', 'Almaz', 'Genesis Kalkee', 'PBA Magnus' and 'PBA Monarch'

Details of Application

Application Number	2020/204
Variety Name	'UFGlow'
Genus Species	<i>Citrus reticulata</i>
Common Name	Mandarin
Accepted Date	29-Oct-2020
Applicant	Florida Foundation Seed Producers, Inc. Florida, USA.
Agent	Australian Nurserymen's Fruit Improvement Company (ANFIC) Ltd, Kallangur, Qld.
Qualified Person	Dr Gavin Porter

Details of Comparative Trial

Overseas Testing Authority	USPTO
Overseas Data Reference Number	US PP27,581 P2
Location	Gainesville, Florida, USA
Descriptor	TG/201/1 Rev. Corr. Mandarins (<i>Citrus</i> L) Group 1
Period	2012-2015
Conditions	as per TG/201/1 Rev. Corr. Mandarins (<i>Citrus</i> L) Group 1
Trial Design	as per TG/201/1 Rev. Corr. Mandarins (<i>Citrus</i> L) Group 1
Measurements	as per TG/201/1 Rev. Corr. Mandarins (<i>Citrus</i> L) Group 1

Origin and Breeding

Controlled pollination: 'UFGlow' originated in a cultivated area in Gainesville, Fla. where it was propagated and tested. The female parent of 'UFGlow' (Clementine x Orlando) x OP originated as an open pollinated seedling of an F1 hybrid between 20 'Clementine' (unpatented) mandarin and 'Orlando' (unpatented) 'Tangelo'. The male parent of 'UFGlow' was 'Kishu' (unpatented) mandarin. 'UFGlow' was selected in 2010 in a cold hardy citrus breeding program and tested as Fla. 10-02sm. 'UFGlow' was budded onto *P trifoliata* (L.) 25 Raf. and Carrizo (unpatented) rootstocks. Trees remained true to the original tree and all characteristics of the tree, and the fruit have transmitted through an asexual generation. 'UFGlow' was first asexually propagated in Gainesville, (buds) from the fruiting seedling tree onto juvenile seedlings of standard commercial rootstocks. This new tree, named 'UFGlow', produces seedless fruit with orange flesh having good fresh fruit eating quality for commercial production in mid-October to mid-November at Gainesville, Fla. 'UFGlow' is a promising candidate for commercial production in that it produces seedless, easy-peeling fruit that ripen before frost and can be grown in north central Florida and similar climates. Breeders: Dr. Jose X. Chaparro and Dr. Wayne B. Sherman, University of Florida, USA.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Fruit	Diameter	medium
Fruit surface	Predominant colours	orange

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
OP seedling of F1 hybrid of Clementine x Orlando	Open pollinated seedling of F1 hybrid of Clementine mandarin x Orlando tangelo (female parent)
'Kishu'	Kishu mandarin (male parent)
'Fallglo'	

U.S. 'Early Pride'

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

Organ/Plant Part: Context	'UFGlow'	'Fallglo'	'Kishu'	OP seedling of F1 hybrid of Clementine x Orlando	U.S. 'Early Pride'
<input type="checkbox"/> Ploidy:	diploid				
<input type="checkbox"/> *Tree: growth habit	spreading				
<input type="checkbox"/> Tree: density of spines	absent or sparse				
<input type="checkbox"/> Tree: length of spines	short				
<input type="checkbox"/> Leaf blade: length	short				
<input checked="" type="checkbox"/> Leaf blade: width	medium	narrow			narrow
<input type="checkbox"/> Leaf blade: ratio length/width	small to medium				
<input type="checkbox"/> Leaf blade: shape in cross section	intermediate				
<input type="checkbox"/> Leaf blade: twisting	absent or weak				
<input type="checkbox"/> Leaf blade: blistering	absent or weak				
<input type="checkbox"/> Leaf blade: green colour	medium				
<input type="checkbox"/> Leaf blade: undulation of margin	absent or weak				
<input type="checkbox"/> Leaf blade: incisions of margin	crenate				
<input type="checkbox"/> Leaf blade: shape of apex	acute				
<input type="checkbox"/> Leaf blade: emargination at tip	absent				
<input type="checkbox"/> Petiole: length	very short to short				
<input type="checkbox"/> Petiole: presence of wings	present				
<input type="checkbox"/> Petiole: width of wings (varieties with petiole wings present only)	very narrow				
<input type="checkbox"/> Flower: diameter of calyx	small to medium				
<input type="checkbox"/> Flower: length of petal	short to medium				
<input type="checkbox"/> Flower: width of petal	narrow to medium				
<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"/> Inflorescence: clustering of fruits	absent
<input checked="" type="checkbox"/> *Fruit: length	short to medium medium to long medium to long
<input type="checkbox"/> *Fruit: diameter	medium medium medium
<input checked="" type="checkbox"/> *Fruit: ratio length/diameter	small to medium medium to large medium to large
<input type="checkbox"/> *Fruit: position of broadest part	at middle
<input type="checkbox"/> Fruit: shape in transverse section	circular
<input type="checkbox"/> *Fruit: general shape of proximal part	slightly rounded
<input type="checkbox"/> *Fruit: presence of neck	absent
<input type="checkbox"/> *Fruit: presence of depression at stalk end (varieties without fruit neck only)	present
<input type="checkbox"/> Fruit: depth of depression at stalk end (varieties without fruit neck only)	shallow to medium
<input type="checkbox"/> Fruit: presence of constriction at stalk end	present
<input type="checkbox"/> Fruit: expression of constriction at stalk end	medium
<input type="checkbox"/> Fruit: number of radial grooves at stalk end	absent or few
<input type="checkbox"/> Fruit: length of radial grooves at stalk end	short to medium
<input type="checkbox"/> Fruit: presence of collar	absent
<input type="checkbox"/> *Fruit: general shape of distal part	slightly rounded
<input type="checkbox"/> *Fruit: presence of depression at distal end	present
<input type="checkbox"/> Fruit: depth of depression at distal end	shallow to medium
<input type="checkbox"/> Fruit: diameter of depression at distal end	small to medium
<input type="checkbox"/> *Fruit: presence of areola	absent
<input type="checkbox"/> Fruit: diameter of styler scar	small
<input type="checkbox"/> Fruit: persistence of style	partial
<input type="checkbox"/> Fruit: presence of navel	absent

opening

<input type="checkbox"/> Fruit: presence of radial grooves at distal end	present		
<input type="checkbox"/> Fruit: expression of radial grooves at distal end	weak		
<input checked="" type="checkbox"/> *Fruit surface: predominant colours	medium orange	yellow orange	yellow orange
<input type="checkbox"/> *Fruit surface: glossiness	medium		
<input type="checkbox"/> Fruit surface: roughness	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	small		
<input type="checkbox"/> Fruit surface: conspicuousness of larger oil glands	weak		
<input type="checkbox"/> *Fruit rind: thickness	medium to thick		
<input checked="" type="checkbox"/> *Fruit rind: adherence to flesh	very weak	medium to strong	medium to strong
<input type="checkbox"/> Fruit rind: strength	medium	medium to strong	medium to strong
<input type="checkbox"/> Fruit rind: oiliness	dry to medium		
<input type="checkbox"/> Fruit rind: conspicuousness of oil glands on inner surface	absent or weakly conspicuous		
<input type="checkbox"/> Fruit: colour of albedo	white		
<input type="checkbox"/> Fruit: density of albedo	loose to medium		
<input type="checkbox"/> *Fruit: amount of albedo adhering to flesh	small		large
<input type="checkbox"/> Fruit: presence of albedo strands	present		
<input type="checkbox"/> Fruit: amount of albedo strands	very small		
<input type="checkbox"/> *Fruit: main colour of flesh	medium orange		
<input type="checkbox"/> Fruit: filling of core	sparse		
<input type="checkbox"/> Fruit: diameter of core	medium		
<input type="checkbox"/> Fruit: presence of rudimentary segments	absent or weak		
<input type="checkbox"/> Fruit: number of well developed segments	medium		
<input type="checkbox"/> Fruit: coherence of adjacent segment walls	medium		
<input type="checkbox"/> Fruit: strength of segment walls	medium		

<input type="checkbox"/>	Fruit: length of juice vesicles	medium				
<input type="checkbox"/>	Fruit: thickness of juice vesicles	medium				
<input type="checkbox"/>	Fruit: conspicuousness of juice vesicle walls	low to medium				
<input type="checkbox"/>	Fruit: coherence of juice vesicles	weak to medium				
<input type="checkbox"/>	*Fruit: presence of navel (viewed internally)	absent or very rare				
<input type="checkbox"/>	Fruit: size of navel (viewed internally)	very small				
<input type="checkbox"/>	Fruit: juiciness	high to very high				
<input type="checkbox"/>	*Fruit juice: total soluble solids	medium				
<input checked="" type="checkbox"/>	Fruit juice: acidity	low	medium	medium	medium	
<input type="checkbox"/>	Fruit: strength of fibre	medium				
<input checked="" type="checkbox"/>	Fruit: number of seeds (controlled manual self-pollination)	absent or very few	medium to many	medium to many	few	
<input checked="" type="checkbox"/>	Fruit: number of seeds (open pollination)	absent or very few	medium to many	medium to many	few	
<input type="checkbox"/>	*Seed: polyembryony	absent				
<input type="checkbox"/>	Seed: length	very short				
<input type="checkbox"/>	Seed: width	very narrow				
<input type="checkbox"/>	Seed: surface	smooth				
<input type="checkbox"/>	Seed: external colour	brownish				
<input type="checkbox"/>	Seed: colour of inner seed coat	light brown				
<input type="checkbox"/>	Seed: colour of cotyledons (varieties with seed: polyembryony present only)	light green				
<input checked="" type="checkbox"/>	*Time of: maturity of fruit for consumption	early	early	medium	medium	early
<input type="checkbox"/>	*Fruit: parthenocarpy	present				
<input type="checkbox"/>	Plant: self-incompatibility	absent				

Prior Applications and Sales:

Country	Year	Status	Name Applied
USA	2015	Granted	'UFGlow'

First sold in Nov: 2016 in USA.

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



Mandarin (*Citrus reticulata*) variety 'UFGlow'

Details of Application

Application Number	2020/205
Variety Name	'C4-15-19'
Genus Species	<i>Citrus reticulata</i>
Common Name	Mandarin
Accepted Date	29-Oct-2020
Applicant	Florida Foundation Seed Producers, Inc. Florida, USA.
Agent	Australian Nurserymen's Fruit Improvement Company (ANFIC) Ltd, Kallangur, Qld.
Qualified Person	Dr Gavin Porter

Details of Comparative Trial

Overseas Testing Authority	USPTO
Overseas Data Reference Number	US PP26, 086 P3
Location	Lake Alfred, Florida, USA
Descriptor	TG/201/1 Rev. Corr. Mandarins (<i>Citrus L</i>) Group 1
Period	2012-2013
Conditions	as per TG/201/1 Rev. Corr. Mandarins (<i>Citrus L</i>) Group 1
Trial Design	as per TG/201/1 Rev. Corr. Mandarins (<i>Citrus L</i>) Group 1
Measurements	as per TG/201/1 Rev. Corr. Mandarins (<i>Citrus L</i>) Group 1

Origin and Breeding

Controlled pollination: 'C4-15-19' is a triploid hybrid from an interploidy cross of diploid monoembryonic Sugar Belle (R), patented as LB8-9 (U.S. Plant Pat. No. 21,356) tangelo (female parent) crossed with an allotetraploid somatic hybrid of Nova mandarin hybrid (unpatented, ClementinexOrlando) + Succari sweet orange (*Citrus sinensis* L. Osbeck) (male parent, unpatented), obtained via embryo rescue. Two original trees exist in Lake Alfred, Fla., one of which is grafted to Carrizo (unpatented) citrus rootstock, and the other of which is grafted to a somatic hybrid of sour orange--Flying Dragon (unpatented). 'C4-15-19' was first asexually reproduced in Lake Alfred, Fla. Trueness-to-type through asexual propagation was demonstrated by topworking (grafting) onto the Somatic hybrid rootstock Sour orange + Carrizo, also located in Lake Alfred, Fla. Breeder: Dr. Jude W. Grosser, University of Florida, USA.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Fruit	diameter	medium
Fruit surface	Predominant colours	orange

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'LB 8-9/Sugarbelle'	Diploid monoembryonic female parent
'Nova + Succari sweet orange hybrid'	Allotetraploid somatic hybrid of Nova + Succari sweet orange (male parent)

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

Organ/Plant Part: Context	'C4-15-19'	'LB 8-9/Sugarbelle'	'Nova + Succari sweet orange hybrid'
<input checked="" type="checkbox"/> Ploidy:	triploid	diploid	tetraploid
<input type="checkbox"/> *Tree: growth habit	spreading		
<input type="checkbox"/> Tree: density of spines	intermediate		
<input type="checkbox"/> Tree: length of spines	medium		
<input type="checkbox"/> Leaf blade: length	medium to long		
<input type="checkbox"/> Leaf blade: width	broad		
<input type="checkbox"/> Leaf blade: ratio length/width	medium		
<input type="checkbox"/> Leaf blade: shape in cross section	intermediate		
<input type="checkbox"/> Leaf blade: twisting	absent or weak		
<input type="checkbox"/> Leaf blade: blistering	absent or weak		
<input type="checkbox"/> Leaf blade: green colour	medium		
<input type="checkbox"/> Leaf blade: undulation of margin	absent or weak		
<input type="checkbox"/> Leaf blade: incisions of margin	absent		
<input type="checkbox"/> Leaf blade: shape of apex	obtuse		
<input type="checkbox"/> Leaf blade: emargination at tip	absent		
<input type="checkbox"/> Petiole: length	medium		
<input type="checkbox"/> Petiole: presence of wings	present		
<input type="checkbox"/> Petiole: width of wings (varieties with petiole wings present only)	narrow		
<input type="checkbox"/> Flower: diameter of calyx	medium		
<input type="checkbox"/> Flower: length of petal	medium		
<input type="checkbox"/> Flower: width of petal	medium		
<input type="checkbox"/> Flower: ratio length/width of petal	medium		
<input type="checkbox"/> Flower: length of stamens	medium to long		
<input type="checkbox"/> Anther: colour	light yellow		
<input type="checkbox"/> Anther: viable pollen	present		
<input type="checkbox"/> Style: length	medium to long		
<input type="checkbox"/> Infructescence: clustering of fruits	present		
<input checked="" type="checkbox"/> *Fruit: length	medium	long	long
<input type="checkbox"/> *Fruit: diameter	medium	medium	medium

<input checked="" type="checkbox"/> *Fruit: ratio length/diameter	medium	large	large
<input type="checkbox"/> *Fruit: position of broadest part	at middle		
<input type="checkbox"/> Fruit: shape in transverse section	circular		
<input checked="" type="checkbox"/> *Fruit: general shape of proximal part	strongly rounded	tapered	strongly rounded
<input checked="" type="checkbox"/> *Fruit: presence of neck	absent	present	
<input type="checkbox"/> *Fruit: presence of depression at stalk end (varieties without fruit neck only)	present		
<input type="checkbox"/> Fruit: depth of depression at stalk end (varieties without fruit neck only)	shallow		
<input type="checkbox"/> Fruit: presence of constriction at stalk end	present		
<input type="checkbox"/> Fruit: expression of constriction at stalk end	medium		
<input type="checkbox"/> Fruit: number of radial grooves at stalk end	absent or few		
<input type="checkbox"/> Fruit: length of radial grooves at stalk end	very short		
<input type="checkbox"/> Fruit: presence of collar	absent		
<input type="checkbox"/> *Fruit: general shape of distal part	slightly rounded		
<input type="checkbox"/> *Fruit: presence of depression at distal end	absent		
<input type="checkbox"/> *Fruit: presence of areola	absent		
<input type="checkbox"/> Fruit: diameter of stylar scar	small		
<input type="checkbox"/> Fruit: persistence of style	none		
<input type="checkbox"/> Fruit: presence of navel opening	absent		
<input type="checkbox"/> Fruit: presence of radial grooves at distal end	present		
<input type="checkbox"/> Fruit: expression of radial grooves at distal end	weak		
<input checked="" type="checkbox"/> *Fruit surface: predominant colours	medium orange	dark orange	
<input type="checkbox"/> *Fruit surface: glossiness	medium		
<input checked="" type="checkbox"/> Fruit surface: roughness	smooth	very 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	large	
<input type="checkbox"/>	Fruit surface: conspicuousness of larger oil glands	weak to medium	
<input type="checkbox"/>	Fruit surface: presence of pitting and pebbling in oil glands	pitting and pebbling absent	
<input type="checkbox"/>	*Fruit rind: thickness	thin	
<input checked="" type="checkbox"/>	*Fruit rind: adherence to flesh	weak to medium	medium to strong
<input type="checkbox"/>	Fruit rind: strength	medium	
<input type="checkbox"/>	Fruit rind: oiliness	medium to oily	
<input type="checkbox"/>	Fruit rind: conspicuousness of oil glands on inner surface	absent or weakly conspicuous	
<input type="checkbox"/>	Fruit: colour of albedo	white	
<input type="checkbox"/>	Fruit: density of albedo	medium	
<input type="checkbox"/>	*Fruit: amount of albedo adhering to flesh	small	
<input type="checkbox"/>	Fruit: presence of albedo strands	present	
<input type="checkbox"/>	Fruit: amount of albedo strands	small to medium	
<input checked="" type="checkbox"/>	*Fruit: main colour of flesh	light orange	medium orange light yellow
<input type="checkbox"/>	Fruit: filling of core	sparse to medium	
<input type="checkbox"/>	Fruit: diameter of core	small to medium	
<input type="checkbox"/>	Fruit: presence of rudimentary segments	absent or weak	
<input type="checkbox"/>	Fruit: number of well developed segments	medium	
<input type="checkbox"/>	Fruit: coherence of adjacent segment walls	medium to strong	
<input type="checkbox"/>	Fruit: strength of segment walls	medium	
<input type="checkbox"/>	Fruit: length of juice vesicles	medium	
<input type="checkbox"/>	Fruit: thickness of juice vesicles	medium	
<input type="checkbox"/>	Fruit: conspicuousness of juice vesicle walls	medium	
<input type="checkbox"/>	Fruit: coherence of juice vesicles	medium	
<input type="checkbox"/>	*Fruit: presence of navel (viewed internally)	absent or very rare	
<input type="checkbox"/>	Fruit: size of navel (viewed	very small	

internally)

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

Prior Applications and Sales:

Country	Year	Status	Name Applied
USA	2013	Granted	'C4-15-19'

First sold in March 2020 in South Africa.

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



Mandarin (*Citrus reticulata*) variety 'C4-15-19'

Details of Application

Application Number	2021/033
Variety Name	'IMPERIAL BLUE'
Genus Species	<i>Solanum tuberosum</i>
Common Name	Potato
Accepted Date	09-Aug-2021
Applicant	IPR B.V., Joure, the Netherlands
Agent	Forth Farm Investments Pty Ltd, Forth, Tas 7310
Qualified Person	Kevin Clayton-Greene

Details of Comparative Trial

Location	Solan (CTC for Potato), Waikerie
Descriptor	UPOV TG/23/7 for Potato
Period	2023
Conditions	Plants grown in potting mix in 200mm diameter plastic pots. Pots placed on benches in a screened polythene clad greenhouse
Trial Design	60 plants each of candidate and comparator in 20cm pots with measurements at flowering, tuber set and after treatment for lightsprout production
Measurements	As per UPOV test guideline
RHS Chart - edition	N/A

Origin and Breeding

Controlled pollination: Selection from conventional crossing made between maternal parent ('Fontane') and paternal parent ('Laura') in 2008 followed by 10 cycles of selection. Micropropagules imported into Australia in 2019. Breeder: IPR B.V., Joure, the Netherlands.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Tuber	colour of flesh	medium yellow
Tuber	colour of skin	Blue
Lightsprout	proportion of blue in anthocyanin colouration of base	Lightsprout

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Royal Blue'	

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Toolangi Delight'	tuber flesh colour	yellow	white	

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

Organ/Plant Part: Context	'IMPERIAL BLUE'	'Royal Blue'
<input type="checkbox"/> Lightsprout: size	medium to large	large

<input type="checkbox"/>	Lightsprout: shape of base	ovoid	ovoid
<input type="checkbox"/>	Lightsprout: anthocyanin colouration of base	very strong	very strong
<input type="checkbox"/>	Lightsprout: proportion of blue in anthocyanin colouration of base	high	high
<input type="checkbox"/>	Lightsprout: hairiness of base	medium	medium to dense
<input type="checkbox"/>	Lightsprout: size of apex in relation to base	medium	medium
<input type="checkbox"/>	Lightsprout: habit of apex	closed	intermediate
<input type="checkbox"/>	Lightsprout: anthocyanin colouration of apex	very strong	very strong
<input checked="" type="checkbox"/>	Lightsprout: hairiness of apex	sparse	very dense
<input type="checkbox"/>	Lightsprout: number of root tips	few to medium	medium
<input type="checkbox"/>	Lightsprout: length of lateral shoots	very short	short
<input type="checkbox"/>	Plant: foliage structure	stem type	stem type
<input type="checkbox"/>	Plant: growth habit	upright	upright
<input type="checkbox"/>	Stem: anthocyanin colouration	strong	very strong
<input type="checkbox"/>	Leaf: size	medium	small to medium
<input checked="" type="checkbox"/>	Leaf: arrangement of leaflets	touching	overlapping
<input type="checkbox"/>	Leaf: number of secondary leaflets	medium	medium to many
<input checked="" type="checkbox"/>	Leaf: intensity of green colour	medium	dark
<input checked="" type="checkbox"/>	Leaf: anthocyanin colouration of midrib	strong	very strong
<input type="checkbox"/>	Second pair of lateral leaflets: width in relation to length	medium	narrow
<input type="checkbox"/>	Terminal and lateral leaflets: frequency of coalescence	few	absent or very few
<input type="checkbox"/>	Flower bud: anthocyanin colouration	absent or very weak	absent or very weak
<input checked="" type="checkbox"/>	Plant: number of inflorescences	absent or very few	many
<input type="checkbox"/>	Inflorescence: size	small	small
<input type="checkbox"/>	Peduncle: anthocyanin colouration	absent or very weak	weak to medium
<input type="checkbox"/>	Corolla: diameter	small to medium	small to medium
<input type="checkbox"/>	Corolla: intensity of anthocyanin colouration on inner side	absent or very weak	medium
<input checked="" type="checkbox"/>	Corolla: proportion of blue in anthocyanin colouration on inner side	absent or low	high
<input checked="" type="checkbox"/>	Corolla: extent of anthocyanin colouration on inner side	absent or very small	large
<input checked="" type="checkbox"/>	Plant: height	medium	tall
<input type="checkbox"/>	Plant: time of maturity	medium	medium
<input type="checkbox"/>	Tuber: form	long-oval	long
<input type="checkbox"/>	Tuber: depth of eyes	shallow	shallow
<input type="checkbox"/>	Tuber: colour of skin	blue violet	blue violet

<input type="checkbox"/> Tuber: texture of skin	smooth	smooth
<input type="checkbox"/> Tuber: colour of base of eye	blue	red
<input type="checkbox"/> Tuber: colour of flesh	medium yellow	medium yellow

Prior Applications and Sales:

No prior sale or application.

Description: Kevin Clayton-Greene, Tasmania



Solanum tuberosum (Potato) variety 'IMPERIAL BLUE' with comparator 'Royal Blue'

Details of Application

Application Number	2021/149
Variety Name	'Firefly'
Genus Species	<i>Brassica oleracea</i> L var. <i>acephala</i>
Common Name	Kale
Accepted Date	23-Nov-2021
Applicant	Forage Innovations Limited, 1375 Springs Road, Lincoln, 7674, New Zealand
Agent	The New Zealand Institute for Plant and Food Research Limited, 120 Mt Albert Road, Sandringham, Auckland, 1025, New Zealand
Qualified Person	Martin Harmer

Details of Comparative Trial

Overseas Testing Authority	Plant Variety Rights, New Zealand
Overseas Data Reference Number	BRA039
Location	Lincoln, Canterbury, New Zealand
Descriptor	National Guideline for Fodder Kale 10/17
Period	2017-2018 & 2019-2020
Conditions	As per DUS test report.
Trial Design	As per DUS test report.
Measurements	As per DUS test report.
RHS Chart - edition	As per DUS test report.

Origin and Breeding

Induced mutation: the maternal parent was treated to induce mutations. One phenotype was selected and gone through selfing. The resulting offspring was selected for herbicide resistance and underwent selection and testing on the field. Breeder: Forage Innovations Limited, Lincoln, New Zealand.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Leaf	presence of leaf lobes	present
Leaf	anthocyanin colouration	absent or very weak
Leaf	blade length	short to medium
Leaf	blade width	narrow to medium
Shape	fully developed plant	inverted pyramid
Time to flower		medium to late
Plant	height at full flowering	short to medium

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Sovgold'	
'Corsa'	
'Goldeneye'	
'Ceres Sovereign'	
'Corka'	
'Eva'	

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

Organ/Plant Part: Context	'Firefly'	'Ceres Sovereign'	'Corka'	'Sovgold'	'Corka'	'Goldeneye'	'Eva'
<input checked="" type="checkbox"/> *Plant: shape	inverted pyramid	dome	dome	dome			
<input type="checkbox"/> *Leaf: anthocyanin colouration	absent						
<input type="checkbox"/> *Leaf blade: length	short						
<input type="checkbox"/> *Leaf blade: width	medium						
<input type="checkbox"/> Petiole: length	short to medium						
<input type="checkbox"/> Petiole: attitude	erect to semi-erect						
<input type="checkbox"/> Leaf: colour of blade	green to blue/grey green						
<input type="checkbox"/> Leaf: colour intensity	strong						
<input type="checkbox"/> Leaf: presence of leaf lobes	present						
<input type="checkbox"/> Leaf: surface blistering	weak to medium						
<input type="checkbox"/> Cotyledon: length	short to medium						
<input type="checkbox"/> Cotyledon: width	narrow						
<input type="checkbox"/> Leaf: number of lobes	medium						
<input type="checkbox"/> Leaf: dentation of margin	weak to medium						
<input type="checkbox"/> Leaf: degree of waving (leaves at middle of plant)	medium						
<input type="checkbox"/> Stem: thickness	medium						
<input type="checkbox"/> Stem: anthocyanin colouration	absent						
<input type="checkbox"/> Stem: leaf scar size	medium to large						
<input type="checkbox"/> Plant: time to flowering	medium to late						
<input type="checkbox"/> Flower: petal length	medium						
<input type="checkbox"/> Flower: petal width	narrow to medium						
<input type="checkbox"/> Plant: height at full flowering	short to medium						
<input type="checkbox"/> Flower: petal colour	medium to dark yellow						
<input type="checkbox"/> Petiole: presence of	absent						

wing



Stem: length

short

medium long
to long

medium
to long

Prior Applications and Sales

Country	Year	Status	Name applied
New Zealand	2017	Granted	'Firefly'

First sold in New Zealand in Sep 2017 as 'Firefly'.

Description: Martin Harmer, Leigh Creek, VIC 3352.



Brassica oleracea L var. *acephala* 'Firefly' (Kale).

Details of Application

Application Number	2021/161
Variety Name	'SEMBOL'
Genus Species	<i>Cucumis sativus</i>
Common Name	Cucumber
Accepted Date	23-Nov-2021
Applicant	Nunhems B.V., Numhem, the Netherlands
Agent	Spruson & Ferguson, Sydney
Qualified Person	John Oates
Author of Description	John Oates

Details of Comparative Trial

Overseas Testing Authority	Naktuinbouw, NL
Overseas Data Reference Number	KMK1305
Location	Naktuinbouw, Roelofarendsveen, NL
Descriptor	TP/61/2 d.d. 13-03-2008
Period	2018
Conditions	As per DUS test report
Trial Design	As per DUS test report
Measurements	As per UPOV Technical requirements.
RHS Chart - edition	n/a

Origin and Breeding

Controlled pollination: (HMF10953 X VYMF2433-3-4-1): Female parent is a DH and male parent is a pure inbreeding advanced line, originating from the Nunhems gene pool. Selection and evaluation took place under local Turkish conditions. Breeder: Remzi Dugan, Nunhems B.V., The Netherlands.

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

Organ/Plant Part Context		State of Expression in Group of Varieties
Plant	sex expression	gynoecious
Ovary	colour of vestiture	white
Plant	parthenocarpy	present
Fruit	length	short to medium
Fruit	ground colour of skin at market stage	green
Cotyledon	bitterness	absent

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Didim'	

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Infinity'	Intensity of ground colour of skin	medium to dark	light to medium	

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

Organ/Plant Part: Context	'SEMBOL'	'Didim'
<input type="checkbox"/> Cotyledon: bitterness	absent	
<input type="checkbox"/> Plant: growth type	indeterminate	
<input type="checkbox"/> Plant: total length of first 15 internodes	medium to long	
<input type="checkbox"/> Leaf blade: attitude	drooping	
<input type="checkbox"/> Leaf blade: length	medium to long	
<input type="checkbox"/> Leaf blade: ratio length of terminal lobe/length of blade	medium	
<input type="checkbox"/> Leaf blade: shape of apex of terminal lobe	right-angled	
<input type="checkbox"/> Leaf blade: intensity of green colour	medium to dark	
<input type="checkbox"/> Leaf blade: blistering	medium	
<input type="checkbox"/> Leaf blade: undulation of margin	absent or weak	
<input type="checkbox"/> Leaf blade: dentation of margin	weak	
<input type="checkbox"/> Time of: development of female flowers (80% of plants with at least one female flower)	medium	
<input type="checkbox"/> Plant: sex expression	gynoecious	
<input type="checkbox"/> Plant: number of female flowers per node	predominantly one or two	
<input type="checkbox"/> Ovary: colour of vestiture	white	
<input type="checkbox"/> Plant: Parthenocarpy	present	
<input type="checkbox"/> Fruit: length	short to medium	
<input type="checkbox"/> Fruit: diameter	small to medium	
<input type="checkbox"/> Fruit: ratio length/diameter	small to medium	
<input type="checkbox"/> Fruit: core diameter in relation to diameter of fruit	medium	
<input type="checkbox"/> Fruit: shape in transverse section	round	
<input type="checkbox"/> Fruit: shape of stem end	obtuse	
<input type="checkbox"/> Fruit: shape of calyx end	rounded	
<input type="checkbox"/> Fruit: ground colour of skin at market stage	green	
<input checked="" type="checkbox"/> Fruit: intensity of ground colour of skin (as for 25)	medium to dark	medium
<input type="checkbox"/> Fruit: ribs	absent or weak	
<input type="checkbox"/> Fruit: sutures	absent	
<input type="checkbox"/> Fruit: creasing	present	
<input type="checkbox"/> Fruit: degree of creasing	weak	
<input type="checkbox"/> Fruit: type of vestiture	prickles only	
<input type="checkbox"/> Fruit: density of vestiture	sparse	
<input type="checkbox"/> Fruit: colour of vestiture	white	
<input type="checkbox"/> Fruit: warts	absent	

<input type="checkbox"/>	Fruit: length of stripe	absent or very short	
<input type="checkbox"/>	Fruit: dots	absent	
<input type="checkbox"/>	Fruit: glaucosity	absent or very weak	
<input checked="" type="checkbox"/>	Fruit: length of peduncle	medium	medium to long
<input type="checkbox"/>	Fruit: ground color of skin at physiological ripeness	yellow	
<input type="checkbox"/>	Resistance to: Cladosporium cucumerinum (Ccu)	present	
<input type="checkbox"/>	Resistance to: Cucumber mosaic virus (CMV)	moderately resistant	
<input type="checkbox"/>	Resistance to: Powdery mildew (Podosphaera xanthii) (Px)	highly resistant	
<input type="checkbox"/>	Resistance to: Corynespora blight and target leaf spot (Corynespora cassicola) (Cca)	absent	
<input type="checkbox"/>	Resistance to: Cucumber vein yellowing virus (CVYV)	present	
<input type="checkbox"/>	Resistance to: Zucchini yellow mosaic virus (ZYMV)	present	

Characteristics Additional to the Descriptor/TG

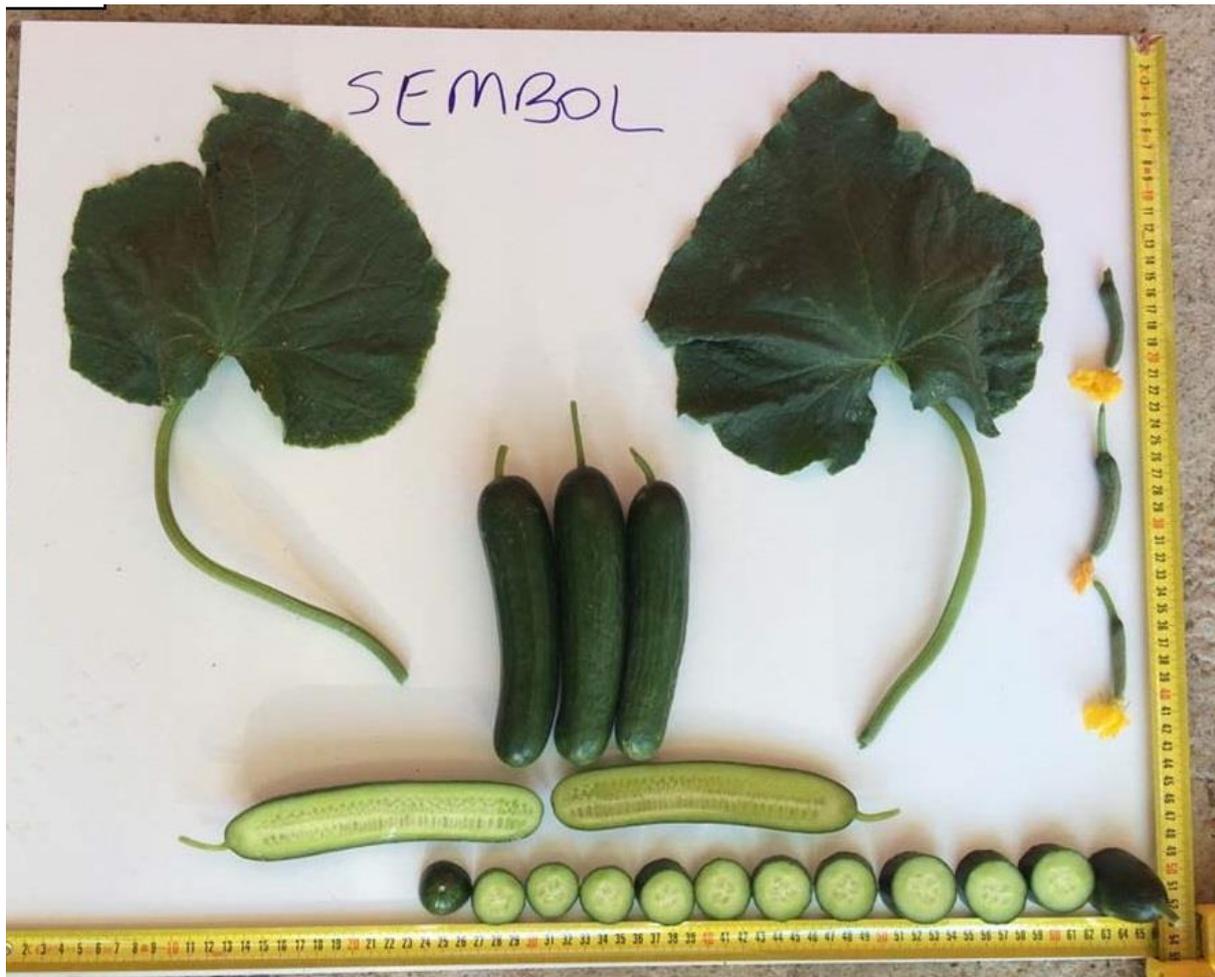
Organ/Plant Part: Context	'SEMBOL'	'Didim'
<input checked="" type="checkbox"/> Fruit: shape of stem end	obtuse	obtuse to acute

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2018	Granted	'Sembol'
Turkey	2018	pending	'Sembol'
UK	2020	Granted	'Sembol'
The Netherlands	2018	Granted	'Sembol'

First sold in Turkey on 22nd July 2019 as 'Sembol'.

Description: John Oates, Millingandi, NSW 2549



Cucumis sativus (Cucumber) variety 'SEMBOL'

Details of Application

Application Number	2021/168
Variety Name	'REMO'
Genus Species	<i>Cucumis sativus</i>
Common Name	Cucumber
Accepted Date	25-Feb-2022
Applicant	Nunhems B.V., Nunhem, the Netherlands
Agent	Spruson & Ferguson, Sydney
Qualified Person	John Oates

Details of Comparative Trial

Overseas Testing Authority	Naktuinbouw, NL
Overseas Data Reference Number	KMK1404
Location	Naktuinbouw, Roelofarendsveen, NL
Descriptor	TP/61/2 d.d. 13-03-2008
Period	2018
Conditions	As per DUS test report
Trial Design	As per DUS test report
Measurements	As per UPOV Technical Guidelines.
RHS Chart - edition	n/a

Origin and Breeding

Controlled Pollination: Both parental lines are doubled haploid lines and were developed within Nunhems' long cucumber breeding program indoors. The hybrid was tested in Nunhems' cucumber breeding program in the Netherlands and Spain. Breeder: Robert Swinkels, Nunhems B.V., Nunhem, The Netherlands

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	sex expression	gynoecious
Ovary	colour of vestiture	white
Plant	parthenocarpy	present
Fruit	ground colour of skin at market stage	green
Fruit	length	long to very long
Cotyledon	bitterness	absent
Resistance to	<i>Cladosporium cucumerinum</i> (Ccu)	present
Resistance to	Cucumber Mosaic Virus (CMV)	susceptible
Resistance to	powdery mildew (<i>Podosphaera xanthii</i>) (Px)	susceptible
Resistance to	Corynespora blight and target leaf spot (<i>C. cassicola</i>) (Cca)	present
Resistance to	Cucumber Vein Yellowing Virus (CVYV)	present

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Brujula'	

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

Organ/Plant Part: Context	'REMO'	'Brujula'
<input type="checkbox"/> Cotyledon: bitterness	absent	
<input type="checkbox"/> Plant: growth type	indeterminate	
<input type="checkbox"/> Plant: total length of first 15 internodes	long	
<input type="checkbox"/> Leaf blade: attitude	drooping	
<input type="checkbox"/> Leaf blade: length	long	
<input type="checkbox"/> Leaf blade: ratio length of terminal lobe/length of blade	medium	
<input type="checkbox"/> Leaf blade: shape of apex of terminal lobe	acute	
<input checked="" type="checkbox"/> Leaf blade: intensity of green color	dark	medium to dark
<input checked="" type="checkbox"/> Leaf blade: blistering	medium to strong	weak to medium
<input type="checkbox"/> Leaf blade: undulation of margin	absent or weak	
<input type="checkbox"/> Leaf blade: dentation of margin	very weak to week	
<input type="checkbox"/> Time of: development of female flowers (80% of plants with at least one female flower)	medium to late	
<input type="checkbox"/> Plant: sex expression	gynoecious	
<input type="checkbox"/> Plant: number of female flowers per node	predominantly two	
<input type="checkbox"/> Ovary: color of vestiture	white	
<input type="checkbox"/> Plant: Parthenocarpy	present	
<input type="checkbox"/> Fruit: length	long to very long	
<input type="checkbox"/> Fruit: diameter	medium	
<input type="checkbox"/> Fruit: ratio length/diameter	large to very large	
<input type="checkbox"/> Fruit: core diameter in relation to diameter of fruit	medium	
<input type="checkbox"/> Fruit: shape in transverse section	round	
<input type="checkbox"/> Fruit: shape of stem end	acute	
<input type="checkbox"/> Fruit: length of neck	short to medium	
<input type="checkbox"/> Fruit: shape of calyx end	rounded	
<input type="checkbox"/> Fruit: ground color of skin at market stage	green	
<input type="checkbox"/> Fruit: intensity of ground color of skin (as for 25)	medium to dark	
<input type="checkbox"/> Fruit: ribs	absent or weak	
<input type="checkbox"/> Fruit: sutures	absent	
<input type="checkbox"/> Fruit: creasing	present	
<input type="checkbox"/> Fruit: degree of creasing	strong	

<input type="checkbox"/> Fruit: type of vestiture	prickles only
<input type="checkbox"/> Fruit: density of vestiture	sparse very sparse to sparse
<input type="checkbox"/> Fruit: colour of vestiture	white
<input type="checkbox"/> Fruit: warts	absent
<input type="checkbox"/> Fruit: length of stripe	absent or very short
<input type="checkbox"/> Fruit: dots	absent
<input type="checkbox"/> Fruit: glaucosity	absent or very weak to weak
<input type="checkbox"/> Fruit: length of peduncle	medium to long
<input type="checkbox"/> Fruit: ground color of skin at physiological ripeness	yellow
<input type="checkbox"/> Resistance to: <i>Cladosporium cucumerinum</i> (Ccu)	present
<input type="checkbox"/> Resistance to: Cucumber mosaic virus (CMV)	susceptible
<input type="checkbox"/> Resistance to: Powdery mildew (<i>Podosphaera xanthii</i>) (Px)	susceptible
<input type="checkbox"/> Resistance to: <i>Corynespora</i> blight and target leaf spot (<i>Corynespora cassicola</i>) (Cca)	present
<input type="checkbox"/> Resistance to: Cucumber vein yellowing virus (CVYV)	present

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2020	Granted	'Remo'
The Netherlands	2019	Granted	'Remo'

First sold on 4th March 2021 in Australia as 'Remo' and in Spain on 6th July 2020 as 'Remo'.

Description: John Oates, Millingandi, NSW 2549



Cucumis sativus (Cucumber) variety 'REMO'

Details of Application

Application Number	2021/195
Variety Name	'Allure'
Genus Species	<i>Lolium multiflorum</i>
Common Name	Italian Ryegrass
Synonym	Fascinate
Accepted Date	19-Oct-2021
Applicant	Upper Murray Seeds, 1696 Cressy Main Road, Cressy, TAS, AUSTRALIA.
Qualified Person	Ian Paananen

Details of Comparative Trial

Location	Cressy, TAS
Descriptor	TG/4/8
Period	2023
Conditions	Field grown, irrigated, spaced and weed matted for weed suppression and managed as a commercial crop at Cressy Research Station, Tasmania.
Trial Design	RCBD with 4 replicates of 4 varieties, 15 plants per replicate
Measurements	from all 15 plants per replicate, 1 per plant
RHS Chart - edition	2015

Origin and Breeding

Controlled pollination: Initial planting of parental cultivars culled by 85% in 2014. Remaining material then selected by DUS characteristics and maintained without seed set to ensure robustness. Poly cross was initiated on 10% of the initial planting population. Progeny from the Poly Cross was planted in spaced rows and again selected for DUS characteristics for late maturity. Repeated for 6 years. Post crossing, another two years of bulking up and assessment indicated a stable line with no off types. Breeder: Stewart Sutherland – Tooma, NSW 2642, Australia.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	ploidy	diploid
Plant	length of longest stem, inflorescence included	long
Leaf	length	medium
Leaf	width	medium
Inflorescence	number of spikelets	many

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'IRTX051'	
'Awesome LM'	

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

Organ/Plant Part: Context	'Allure'	'Awesome LM'	'IRTX051'
<input type="checkbox"/> *Plant: ploidy	diploid	diploid	diploid
<input type="checkbox"/> Leaf: length	medium	medium	medium
<input type="checkbox"/> Leaf: width	medium	medium	medium
<input type="checkbox"/> Leaf: intensity of green colour	light to medium	medium	light to medium
<input checked="" type="checkbox"/> Plant: width	medium	medium	wide
<input type="checkbox"/> Plant: vegetative growth habit (after vernalisation)	medium	medium	medium
<input type="checkbox"/> Plant: height	medium	medium	medium
<input checked="" type="checkbox"/> *Plant: time of inflorescence emergence (after vernalisation)	late	medium	late
<input type="checkbox"/> Plant: width at inflorescence emergence	medium	medium	wide
<input type="checkbox"/> *Flag leaf: length	medium	medium to long	medium to long
<input checked="" type="checkbox"/> *Flag leaf: width	medium	broad	broad
<input checked="" type="checkbox"/> Flag leaf: length/width ratio	medium	medium	high
<input type="checkbox"/> *Plant: length of longest stem, inflorescence included	long	long	long
<input checked="" type="checkbox"/> Plant: length of upper internode	medium	medium	short
<input checked="" type="checkbox"/> Inflorescence: length	short to medium	medium to long	medium to long
<input type="checkbox"/> Inflorescence: number of spikelets	many	many	many
<input type="checkbox"/> Inflorescence: density	medium	medium to dense	medium to dense

Statistical Table

Organ/Plant Part: Context	'Allure'	'Awesome LM'	'IRTX051'
<input checked="" type="checkbox"/> Plant: length of upper internode (mm)			
Mean	308.80	315.60	263.10
Std. Deviation	56.90	58.00	68.50
Lsd/sig	29.18	ns	P≤0.01
<input type="checkbox"/> Flag leaf: length (mm)			
Mean	218.00	214.60	229.10
Std. Deviation	41.50	48.30	49.40
Lsd/sig	22.69	ns	ns
<input type="checkbox"/> Flag leaf: width (mm)			
Mean	10.00	10.10	9.30
Std. Deviation	1.20	1.50	1.10
Lsd/sig	0.58	ns	ns
<input checked="" type="checkbox"/> Flag leaf: length to width ratio			
Mean	21.90	21.40	24.60
Std. Deviation	3.30	4.60	4.70
Lsd/sig	2.08	ns	P≤0.01

<input checked="" type="checkbox"/> Inflorescence: length (mm)			
Mean	346.90	375.30	372.60
Std. Deviation	42.40	48.70	50.30
Lsd/sig	20.60	P≤0.01	P≤0.01
<input type="checkbox"/> Inflorescence: number of spikelets			
Mean	39.10	37.40	38.50
Std. Deviation	4.70	5.30	5.10
Lsd/sig	2.36	ns	ns
<input checked="" type="checkbox"/> Inflorescence: density			
Mean	9.00	10.20	9.80
Std. Deviation	1.30	2.00	1.80
Lsd/sig	0.77	P≤0.01	P≤0.01
Means Separation			
Method Used			
<input type="checkbox"/> Plant: length of longest stem, inflorescence included (mm)			
Mean	1466.00	1509.00	1475.80
Std. Deviation	123.70	111.10	78.00
Lsd/sig	50.64	ns	ns

Prior Applications and Sales:

Nil

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



Lolium multiflorum (Italian Ryegrass) variety 'Allure' with its comparators 'IRTX051' and 'Awesome'

Details of Application

Application Number	2021/196
Variety Name	'Torpedo LM'
Genus Species	<i>Lolium multiflorum</i>
Common Name	Annual Ryegrass
Accepted Date	26-Oct-2021
Applicant	Upper Murray Seeds, 1696 Cressy Main Road, Cressy, TAS, AUSTRALIA.
Qualified Person	Ian Paananen

Details of Comparative Trial

Location	Cressy, TAS
Descriptor	TG/4/8
Period	2023
Conditions	Field grown, irrigated, spaced and weed matted for weed suppression and managed as a commercial crop at Cressy Research Station, Tasmania.
Trial Design	RCBD with 4 replicates of 4 varieties, 15 plants per replicate
Measurements	from all 15 plants per replicate, 1 per plant
RHS Chart - edition	2015

Origin and Breeding

Controlled pollination: Initial planting of parental cultivars culled by 90% in 2014. Remaining material then selected by DUS characteristics and maintained without seed set to ensure robustness. Poly cross was initiated on 10% of the initial planting population. Progeny from the Poly Cross was planted in spaced rows and again selected for DUS characteristics for late maturity. Repeated for 6 years. Post crossing, another two years of bulking up and assessment indicated a stable line with no off types. Breeder: Stewart Sutherland – Tooma, NSW 2642, Australia.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	ploidy	tetraploid
Leaf	length	long
Flag leaf	length	long
Inflorescence	number of spikelets	many
Inflorescence	density	medium to dense

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Denver'	
'Atomic'	

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

Organ/Plant Part: Context	'Torpedo LM'	'Atomic'	'Denver'
<input type="checkbox"/> *Plant: ploidy	tetraploid	tetraploid	tetraploid
<input type="checkbox"/> Leaf: length	long	long	long
<input checked="" type="checkbox"/> Leaf: width	broad	broad	medium
<input type="checkbox"/> Leaf: intensity of green colour	medium	medium	medium
<input checked="" type="checkbox"/> Plant: width	medium	wide	wide

<input checked="" type="checkbox"/> Plant: vegetative growth habit (after vernalisation)	semi-erect	semi-erect	medium
<input checked="" type="checkbox"/> Plant: height	medium	tall	medium
<input checked="" type="checkbox"/> *Plant: time of inflorescence emergence (after vernalisation)	late	early	medium
<input checked="" type="checkbox"/> Plant: width at inflorescence emergence	medium	narrow	medium
<input type="checkbox"/> *Flag leaf: length	long	long	long
<input checked="" type="checkbox"/> *Flag leaf: width	broad	very broad	broad
<input type="checkbox"/> Flag leaf: length/width ratio	medium	low to medium	medium
<input type="checkbox"/> *Plant: length of longest stem, inflorescence included	long	very long	long to very long
<input checked="" type="checkbox"/> Plant: length of upper internode	short	medium	medium
<input checked="" type="checkbox"/> Inflorescence: length	medium to long	long to very long	long to very long
<input type="checkbox"/> Inflorescence: number of spikelets	many	many	many to very many
<input type="checkbox"/> Inflorescence: density	medium to dense	medium to dense	medium to dense

Statistical Table

Organ/Plant Part: Context	'Torpedo LM'	'Atomic'	'Denver'
<input checked="" type="checkbox"/> Plant: length of longest stem, inflorescence included (mm)			
Mean	1476.00	1693.00	1595.00
Std. Deviation	123.40	86.80	133.00
Lsd/sig	48.38	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Plant: length of upper internode (mm)			
Mean	265.90	356.50	309.60
Std. Deviation	67.80	59.50	77.30
Lsd/sig	33.10	P≤0.01	P≤0.01
<input type="checkbox"/> Flag leaf: length (mm)			
Mean	268.80	253.40	291.10
Std. Deviation	55.00	52.00	70.50
Lsd/sig	27.54	ns	ns
<input type="checkbox"/> Flag leaf: width (mm)			
Mean	11.58	13.10	12.10
Std. Deviation	1.20	1.30	2.10
Lsd/sig	0.73	ns	ns
<input checked="" type="checkbox"/> Flag leaf: length to width ratio			
Mean	23.30	19.30	24.10
Std. Deviation	4.70	2.90	4.90
Lsd/sig	2.04	P≤0.01	ns
<input checked="" type="checkbox"/> Inflorescence: length (mm)			
Mean	404.30	452.00	434.80
Std. Deviation	41.60	46.20	55.80
Lsd/sig	23.27	P≤0.01	P≤0.01

<input checked="" type="checkbox"/> Inflorescence: number of spikelets			
Mean	37.70	39.60	40.80
Std. Deviation	4.20	4.00	5.10
Lsd/sig	2.12	ns	P≤0.01
<input type="checkbox"/> Inflorescence: density			
Mean	10.90	11.50	10.80
Std. Deviation	1.60	1.80	1.90
Lsd/sig	0.86	ns	ns

Prior Applications and Sales:

Nil

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



Lolium multiflorum (Italian Ryegrass) variety 'Torpedo LM' with its comparators 'Denver' and 'Atomic'

Details of Application

Application Number	2021/240
Variety Name	'Monica Russet'
Genus Species	<i>Solanum tuberosum</i>
Common Name	Potato
Accepted Date	27-Oct-2021
Applicant	IPR B.V., Joure, the Netherlands
Agent	Forth Farm Investments, Forth, Tas 7310
Qualified Person	Kevin Clayton-Greene

Details of Comparative Trial

Location	Potato CTC at Solan, Waikerie
Descriptor	Potato Solanum tuberosum TG/23/7
Period	2023
Conditions	Plants grown in potting mix in 200mm diameter plastic pots. Pots placed on benches in a screened polythene clad greenhouse
Trial Design	Sixty plants each of candidate and comparator planted from mini-tubers in 20cm pots in a greenhouse
Measurements	As per UPOV test guideline
RHS Chart - edition	N/A

Origin and Breeding

Spontaneous stable mutation from Innovator: Candidate was noted in a commercial planting of its parent from which the above ground plant was distinct but the tubers appeared to still be of commercial value. Subsequent work established that the mutant was stable and unlike most mutants retained the desirable commercial attributes for which the parent was known however was also superior in some attributes, such as tuber number, size, yield and maturity. Its paler flesh colour was also an advantage in producing french fries. Breeder: IPR B.V., Joure, the Netherlands.

Choice of Comparators

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Lightsprout	proportion of blue in anthocyanin colouration of base	medium
Plant	time of maturity	medium to late
Tuber	colour of skin	light yellow brown
Lightsprout	shape of base	broad cylindrical

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Innovator'	'Monica Russet' is a spontaneous stable sport of Innovator differing only in tuber flesh colour

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

Organ/Plant Part: Context	'Monica Russet'	'Innovator'
<input type="checkbox"/> Lightsprout: size	large	large
<input type="checkbox"/> Lightsprout: shape of base	broad cylindrical	broad cylindrical

<input type="checkbox"/>	Lightsprout: anthocyanin colouration of base	strong	medium to strong
<input type="checkbox"/>	Lightsprout: proportion of blue in anthocyanin colouration of base	medium	medium
<input type="checkbox"/>	Lightsprout: hairiness of base	dense	dense
<input type="checkbox"/>	Lightsprout: size of apex in relation to base	medium	medium
<input type="checkbox"/>	Lightsprout: habit of apex	closed	closed
<input type="checkbox"/>	Lightsprout: anthocyanin colouration of apex	absent or very weak	absent or very weak
<input type="checkbox"/>	Lightsprout: hairiness of apex	absent or very sparse	absent or very sparse
<input type="checkbox"/>	Lightsprout: number of root tips	medium	medium
<input checked="" type="checkbox"/>	Lightsprout: length of lateral shoots	medium	long
<input type="checkbox"/>	Plant: foliage structure	intermediate type	intermediate type
<input type="checkbox"/>	Plant: growth habit	upright to semi-upright	upright
<input type="checkbox"/>	Stem: anthocyanin colouration	absent or very weak	absent or very weak
<input type="checkbox"/>	Leaf: size	medium	medium to large
<input type="checkbox"/>	Leaf: arrangement of leaflets	overlapping	overlapping to touching
<input type="checkbox"/>	Leaf: number of secondary leaflets	few	few to medium
<input type="checkbox"/>	Leaf: intensity of green colour	light	light
<input type="checkbox"/>	Leaf: anthocyanin colouration of midrib	absent or very weak	absent or very weak
<input type="checkbox"/>	Second pair of lateral leaflets: width in relation to length	medium	narrow to medium
<input type="checkbox"/>	Terminal and lateral leaflets: frequency of coalescence	few	few
<input type="checkbox"/>	Flower bud: anthocyanin colouration	absent or very weak	absent or very weak
<input type="checkbox"/>	Plant: number of inflorescences	medium to many	medium to many
<input type="checkbox"/>	Inflorescence: size	small	small
<input type="checkbox"/>	Peduncle: anthocyanin colouration	absent or very weak	absent or very weak
<input type="checkbox"/>	Corolla: diameter	small to medium	small to medium
<input type="checkbox"/>	Corolla: intensity of anthocyanin colouration on inner side	absent or very weak	absent or very weak
<input type="checkbox"/>	Corolla: proportion of blue in anthocyanin colouration on inner side	absent or low	absent or low
<input type="checkbox"/>	Corolla: extent of anthocyanin colouration on inner side	absent or very small	absent or very small
<input type="checkbox"/>	Plant: height	medium	medium
<input type="checkbox"/>	Plant: time of maturity	medium to late	medium to late
<input type="checkbox"/>	Tuber: form	long	long-oval
<input type="checkbox"/>	Tuber: depth of eyes	shallow to medium	very shallow to shallow
<input type="checkbox"/>	Tuber: colour of skin	light yellow brown	light yellow brown

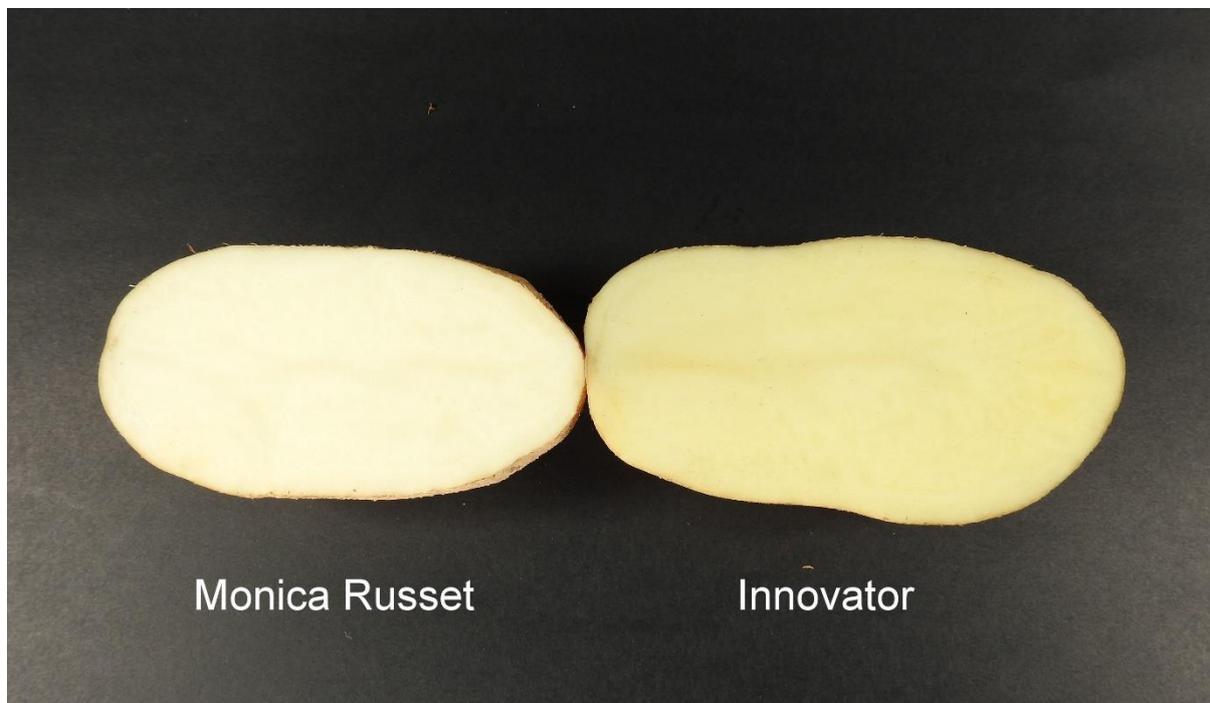
<input type="checkbox"/>	Tuber: texture of skin	rough	rough
<input type="checkbox"/>	Tuber: colour of base of eye	yellow	yellow
<input checked="" type="checkbox"/>	Tuber: colour of flesh	white	light yellow

Prior Applications and Sales:

Country	Year	Status	Name Applied
Canada	2021	pending	'Monica Russet'
USA	2020	pending	'Monica Russet'

No prior sale

Description: Kevin Clayton-Greene, Tasmania



Solanum tuberosum (Potato) variety 'Monica Russet' with comparator 'Innovator'

Details of Application

Application Number	2021/245
Variety Name	'MOBCo10'
Genus Species	<i>Cotyledon orbiculata</i>
Common Name	Cotyledon
Accepted Date	05-Nov-2021
Applicant	Morgan Oates & Brown Pty Ltd, Macquarie Fields, NSW
Qualified Person	John Oates

Details of Comparative Trial

Location	155 Stilton Lane, Picton NSW 2571
Descriptor	General Descriptor
Period	January 2024 - August 2024
Conditions	Cuttings planted into 30cm pots January 2024. Premium potting mix with 12 month slow release fertilizer. Grown under plastic roof overhead watering as required.
Trial Design	Pots arranged in random grouping.
Measurements	As per UPOV Technical Guidelines
RHS Chart - edition	6th Edition 2015

Origin and Breeding

Open pollination: A nursery planting of two cultivars of cotyledon was conducted over a number of years. Seed was collected from the female parent in spring 2013. The resultant seedlings were grown for a period of 18 months selecting for unique plant habit. In autumn 2016 the final selection was known as JOJM-01. Characters used in selection were: amount of floriferousness, degree of branching and attitude of branches. The selection JOJM-01 has been grown in a range of environments and has been true to the selection criteria and shown nil variation in expression. Breeder: Mal Morgan, Morgan Oates & Brown, Stilton Lane, Picton NSW 2571

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	size	medium
Plant	height	medium
Plant	width	medium
Plant	growth habit	spreading
Leaf blade	farina	strong
Leaf	presence of coloured margin	present

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Dan's Delight'	Most similar variety present on Australian market.

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

Organ/Plant Part: Context	'MOBCo10'	'Dan's Delight'
<input type="checkbox"/> Plant: type	herbaceous perennial	herbaceous perennial
<input type="checkbox"/> Plant: size	medium	medium
<input type="checkbox"/> Plant: height	medium	medium

<input type="checkbox"/>	Plant: width	medium	medium
<input type="checkbox"/>	Plant: growth habit	spreading	spreading
<input type="checkbox"/>	Plant: root form	fibrous	fibrous
<input type="checkbox"/>	Plant: rosette	absent	absent
<input type="checkbox"/>	Plant: stem length	medium	medium
<input type="checkbox"/>	Foliage: waxiness	weak	weak
<input type="checkbox"/>	Foliage: glossiness	weak	weak
<input type="checkbox"/>	Leaf blade: thickness	thick	medium
<input type="checkbox"/>	Leaf blade: cross section	flat to concave	flat to concave
<input type="checkbox"/>	Leaf blade: variegation	absent	absent
<input type="checkbox"/>	Leaf blade: carunculations	absent	absent
<input type="checkbox"/>	Leaf blade: pubescence	absent or very sparse	absent or very sparse
<input type="checkbox"/>	Leaf blade: length	medium	long
<input type="checkbox"/>	Leaf blade: width	medium	medium to wide
<input type="checkbox"/>	Leaf blade: length:width ratio	large	large
<input checked="" type="checkbox"/>	Leaf blade: colour of upper side	purplish	greyish green
<input type="checkbox"/>	Leaf blade: intensity of colour of upper side	medium	medium
<input type="checkbox"/>	Leaf blade: colour distribution	uniform	uniform
<input type="checkbox"/>	Leaf blade: number of colours (if distinct)	one	one
<input type="checkbox"/>	Leaf blade: degree of crenulation of margin	absent or very weak	absent or very weak
<input type="checkbox"/>	Inflorescence: type	lateral	lateral

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'MOBCo10'	'Dan's Delight'	
<input type="checkbox"/>	Leaf blade: farina	medium to strong	strong
<input checked="" type="checkbox"/>	Leaf blade: Colour with farina	ca N187B	188B
<input checked="" type="checkbox"/>	Leaf blade: Colour without farina	N199A	189A
<input checked="" type="checkbox"/>	Leaf margin: colour	N77A	59A
<input checked="" type="checkbox"/>	Stem: internode length	medium to long	short
<input checked="" type="checkbox"/>	Leaf blade: surface	smooth	slightly creased
<input checked="" type="checkbox"/>	Leaf blade: shape in longitudinal section	slightly concave	slightly convex
<input checked="" type="checkbox"/>	Plant vigour (degree of development of lateral gems)	strong	weak

"Leaf blade: colour with farina" was measured on mature leaves at the top 1/3 part of the plant.

Prior Applications: Nil

First sold in Australia in Nov 2020 under trade name Bushwhacker.

Description: John Oates, Merimbula NSW, 2548.



Cotyledon orbiculata 'MOBCo10' (left) with comparator 'Dan's Delight' (right).

Details of Application

Application Number	2021/286
Variety Name	'Corede'
Genus Species	<i>Colocasia</i>
Common Name	Elephant's ear
Accepted Date	08-Mar-2022
Applicant	Brian's Botanicals, Louisville, Kentucky, USA.
Agent	Natura Creative, North Sydney, NSW, 2042.
Qualified Person	John Oates

Details of Comparative Trial

Overseas Testing Authority	Naktuinbouw, NL
Overseas Data Reference Number	2021/3181
Location	Naktuinbouw-variety Center, Roelofarendsveen, NL
Descriptor	SSP/COL/2:d.d. 01-03-2022
Period	2023
Conditions	As per DUS Test report
Trial Design	As per DUS Test report
Measurements	As per UPOV Technical guidelines
RHS Chart - edition	6th Edition, 2015

Origin and Breeding

Controlled pollination: Parents were chosen for foliage distinctness, habit clumping plant vigour and foliage color. Parents were produced in controlled breeding program. The female parent (Line BR) had rippled texture on dark foliage. The male parent (line NH) had white mid-veins which gave the new hybrid the colorful pink mid-veins. The program had 12 generations of hybridizing until the selection 'Redemption'(subsequently renamed 'Corede' was identified on August 2018. Breeder: Brian Williams, Brian's Botanicals, Louisville, Kentucky, USA.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
No information on the DUS report		

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Black Stem'	Leaf blade: main colour of upper side: ca RHS N189A

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Black Sapphire Gecko'	Leaf colour	black foliage with pink mid-veins	black foliage no mid-veins	
'Mammoth'	Leaf colour	black with pink mid-veins	dark purple no mid-veins	

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

Organ/Plant Part: Context	'Corede'	'Black Stem'
<input type="checkbox"/> Leaf blade: shape in cross section	slightly convex	

<input type="checkbox"/>	Leaf blade: number of colours of upper side	more than two	
<input type="checkbox"/>	Leaf blade: pattern of secondary colour	along midrib	
<input checked="" type="checkbox"/>	Leaf blade: secondary colour of upper side	ca. RHS 187 A (dark brown)	not applicable
<input type="checkbox"/>	Leaf blade: length of lobed	ca. 11 cm	
<input type="checkbox"/>	Plant: height	ca. 125 cm	
<input type="checkbox"/>	Leaf blade: main colour of lower side	ca. RHS NN137 A	
<input type="checkbox"/>	Leaf blade: colour of main vein of lower side	ca. RHS 183 C	
<input checked="" type="checkbox"/>	Leaf blade: main colour of upper side	ca. RHS 200 A (dark brown, more green in mature stage)	ca. RHS N189 A (dark grey, green, darker)
<input type="checkbox"/>	Plant: diameter	ca. 145 cm	
<input type="checkbox"/>	Leaf blade: glossiness	medium to strong	
<input type="checkbox"/>	Sheath: length	ca. 44 cm	
<input type="checkbox"/>	Leaf blade: undulation of margin	weak to medium	
<input type="checkbox"/>	Sheath: width	ca. 55 cm	
<input type="checkbox"/>	Sheath: colour	ca. RHS 200 A	
<input type="checkbox"/>	Leaf blade: shape of apex	acuminate	
<input type="checkbox"/>	Petiole: length	ca. 88 cm	
<input type="checkbox"/>	Petiole: main colour	ca. RHS 200 A	
<input type="checkbox"/>	Leaf blade: length	ca. 46 cm	
<input type="checkbox"/>	Leaf blade: width	ca. 35 cm	
<input type="checkbox"/>	Petiole: diameter	ca. 15 mm	
<input type="checkbox"/>	Petiole: secondary colour	not applicable	
<input type="checkbox"/>	Petiole: type of pattern	not applicable	
<input type="checkbox"/>	Leaf blade: attitude	semi-upright	
<input type="checkbox"/>	Leaf blade: shape	cordate	
<input type="checkbox"/>	*Leaf blade: attitude	oblique	

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2021	Granted	'Corede'

First sold in the United States of America in Jan 2022 as 'Redemption'.

Description: John Oates, Merimbula NSW, 2548.



Colocasia 'Corede' (Elephant's Ear).

Details of Application

Application Number	2022/013
Variety Name	'MCLAREN'
Genus Species	<i>Brassica oleracea</i>
Common Name	Broccoli
Synonym	SGD15-0091CRR
Accepted Date	13-May-2022
Applicant	Syngenta Crop Participations AG, Basel, Switzerland.
Agent	Syngenta Australia Pty. Ltd., Macquaire Park, NSW, 2113.
Qualified Person	John Oates

Details of Comparative Trial

Overseas Testing Authority	Naktuinbouw, NL
Overseas Data Reference Number	KBR252
Location	Naktuinbouw, ROELOFARENDSVEEN, NL.
Descriptor	TG/151/2 Rev.2 d.d. 21-4-2020
Period	2021 - 2022
Conditions	As per DUS test report
Trial Design	As per DUS test report
Measurements	As per DUS test report
RHS Chart - edition	As per DUS test report

Origin and Breeding

Controlled Pollination: The commercial variety MCLAREN was obtained from a single cross between an advanced CMS line internal code as 'BB093' and an inbred line internal coded as 'BB094'. Breeding procedure on female line BB093: BB093 was obtained after 15 cycles of selection and fixation. Breeding procedure on male line BB094: The Male inbred line BB094 was obtained after 6 cycles of selection and fixation by backcross and self-pollination. Breeder: Liang Xiaoguang, Syngenta Crop Participations AG, Basel, Switzerland.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Time of harvest	maturity	medium
Male	sterility	present
Head	level of main head in relation to plant height	medium
Head	colour	grey green

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Gongga'	

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

Organ/Plant Part: Context	'MCLAREN'	'Gongga'
<input type="checkbox"/> *Plant: height	short to medium	
<input type="checkbox"/> *Leaf: attitude	semi-erect to horizontal	
<input type="checkbox"/> *Leaf: length	medium	

<input type="checkbox"/>	Leaf: width	medium
<input type="checkbox"/>	*Leaf: number of lobes	few to medium
<input type="checkbox"/>	*Leaf blade: colour	grey green
<input type="checkbox"/>	Leaf blade: intensity of colour	medium to dark
<input type="checkbox"/>	Leaf blade: anthocyanin colouration	absent
<input type="checkbox"/>	Leaf blade: undulation of margin	medium to strong
<input type="checkbox"/>	Leaf blade: dentation of margin	weak
<input type="checkbox"/>	Leaf blade: blistering	strong
<input type="checkbox"/>	Petiole: anthocyanin colouration	absent
<input type="checkbox"/>	Petiole: length	medium
<input checked="" type="checkbox"/>	Head: length of branching at base	medium short to medium
<input type="checkbox"/>	Head: size	medium to large
<input type="checkbox"/>	*Head: shape in longitudinal section	transverse medium elliptic
<input type="checkbox"/>	*Head: colour	grey green
<input type="checkbox"/>	Head: intensity of colour	medium
<input type="checkbox"/>	Head: anthocyanin colouration	absent
<input type="checkbox"/>	Head: knobbling	medium to coarse
<input type="checkbox"/>	Plant: secondary heads	absent
<input type="checkbox"/>	Flower: colour	yellow
<input type="checkbox"/>	Flower: intensity of yellow colour	light
<input checked="" type="checkbox"/>	*Time of: harvest maturity	medium medium to late
<input type="checkbox"/>	*Male: sterility	present

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'MCLAREN'	'Gongga'
<input type="checkbox"/> Head: level of main head in relation to plant height	medium	
<input type="checkbox"/> Head: diameter	medium to large	
<input type="checkbox"/> Head: diameter of flower bud	medium to large	

Prior Applications and Sales:

Country	Year	Status	Name Applied
China	2019	Pending	'MCLAREN'
United Kingdom	2020	Pending	'MCLAREN'
EU	2021	Granted	'MCLAREN'
South Africa	2021	Pending	'MCLAREN'

First sold in China in Oct 2020 as 'MCLAREN'.

Description: John Oates, Merimbula NSW, 2548.



Brassica oleracea 'MCLAREN' (Broccoli).

Details of Application

Application Number	2022/039
Variety Name	'IB 502-1'
Genus Species	<i>Loropetalum chinense</i>
Common Name	Chinese Fringe Flower
Accepted Date	11-Apr-2022
Applicant	Plant Growers Australia Pty Ltd, VIC Australia
Qualified Person	Jordan Smark

Details of Comparative Trial

Location	Wonga Park, VIC
Descriptor	PBR LORO
Period	July 2022 - May 2024
Conditions	Trial conducted in the open, plants propagated from cuttings during July 2022 and transferred to 140mm pots in February 2023. Pots filled with soilless, pinebark based mix with controlled release fertilizers. Appropriate pest and disease treatments were applied as required.
Trial Design	Fifteen pots of each variety in a completely randomised design
Measurements	From ten plants randomly selected.
RHS Chart - edition	Fifth Edition

Origin and Breeding

Controlled pollination: Self-pollination took place with the parent 'Plum Gorgeous' as part of an ongoing *Loropetalum* breeding program to produce a selection with purple foliage, deep pink / red flowers, spreading plant habit and short to very short plant height. Seed was sown in March 2013, germination in September 2013 and seedlings raised to maturity Autumn/Winter 2014. At this time several initial selections were made in a range of desired colours and habits and subsequently grown on for a further five years to evaluate mature plant performance. In February 2019 a final selection was made on the breeding criteria above. Several cutting generations have all remained uniform and stable. Breeder: Plant Growers Australia Pty Ltd, VIC Australia

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Leaf	prominence of venation	medium
Leaf	predominant colour of leaves	red-purple
Inflorescence	type	umbellate
Flower	number of petals	medium
Flower	shape of petals	linear
Flower	predominant colour of petals	dark pink to red

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Bobz Red'	
'Peack'	

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
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'Plum Gorgeous'	flower	predominant colour of petals	dark pink to red	pink
'Plum Gorgeous'	plant	height	short to medium	tall

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

Organ/Plant Part: Context	'IB 502-1'	'Bobz Red'	'Peack'
<input checked="" type="checkbox"/> Plant: height	short to medium	short to medium	very short
<input checked="" type="checkbox"/> Plant: width	medium	narrow to medium	narrow
<input checked="" type="checkbox"/> Stem: ramification	medium	medium to strong	strong
<input type="checkbox"/> Stem: thickness at base	medium	medium	narrow
<input type="checkbox"/> Leaf: length of petiole	short	short	short
<input checked="" type="checkbox"/> Leaf: length of blade	medium to long	short	short to medium
<input type="checkbox"/> Leaf: width of blade	medium to broad	narrow to medium	narrow to medium
<input checked="" type="checkbox"/> Leaf: glossiness of upper side	medium	strong	medium
<input type="checkbox"/> Inflorescence: type	umbellate	umbellate	umbellate
<input type="checkbox"/> Flower: size of calyx	medium	small	medium
<input type="checkbox"/> Flower: number of petals	medium	medium	medium
<input type="checkbox"/> Flower: shape of petals	linear	linear	linear

Characteristics Additional to the Descriptor/TG

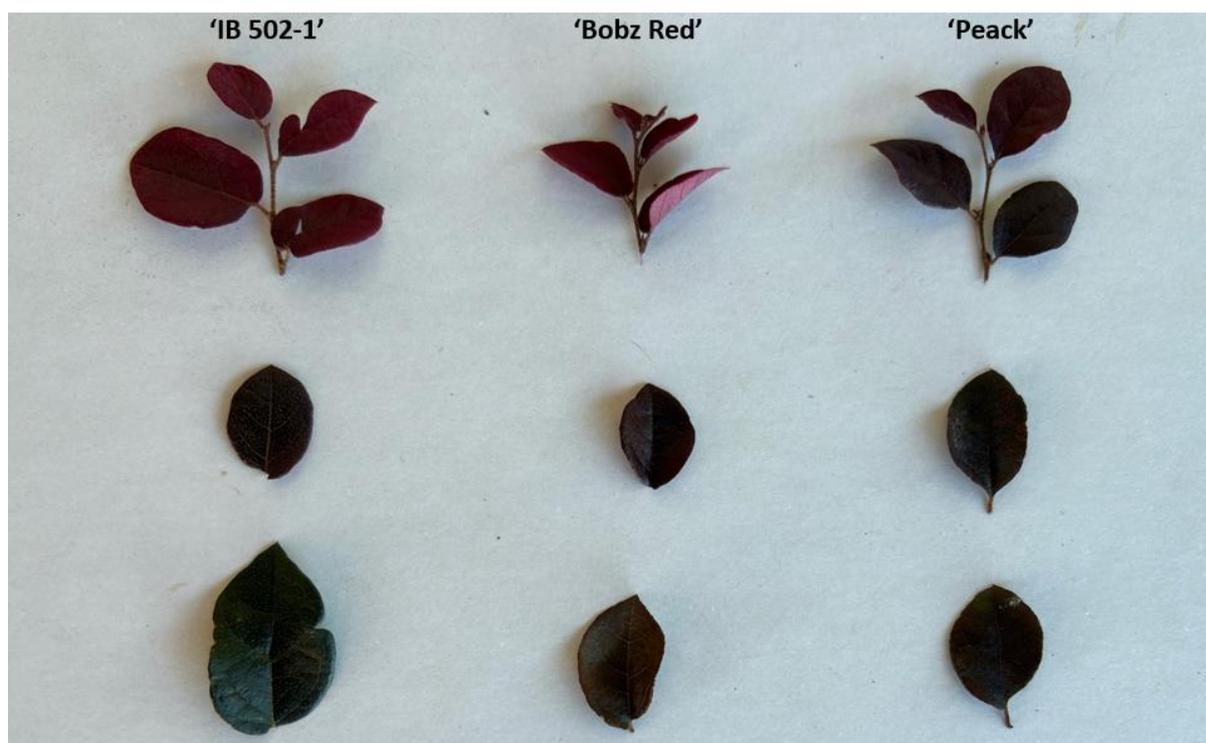
Organ/Plant Part: Context	'IB 502-1'	'Bobz Red'	'Peack'
<input checked="" type="checkbox"/> Plant: density	medium	medium to dense	dense
<input checked="" type="checkbox"/> Stem: internode length	medium	short	medium
<input checked="" type="checkbox"/> Mature stem: colour (RHS colour chart)	N199C	199B	200C
<input checked="" type="checkbox"/> Leaf: shape of blade	elliptic	oval	obovate
<input checked="" type="checkbox"/> Leaf: shape of apex	acute	mucronate	mucronate
<input type="checkbox"/> Leaf: prominence of veination	medium	medium	medium
<input checked="" type="checkbox"/> Leaf: degree of anthocyanin colouration	medium	medium	strong
<input type="checkbox"/> Leaf: predominant colour of leaves	red-purple	red-purple	red-purple
<input checked="" type="checkbox"/> Mature leaf: colour of upper side (RHS chart)	187A	N186A	203B
<input checked="" type="checkbox"/> Mature leaf: colour of lower side (RHS colour chart)	Ca 189A	Ca 187C	Ca 189A
<input type="checkbox"/> Young leaf: colour of upper side (RHS chart)	187B	187B	187A
<input type="checkbox"/> Young leaf: colour of lower side (RHS colour chart)	N186D	N186D	187B

<input type="checkbox"/> Flower: length of petals	medium	short to medium	short to medium
<input type="checkbox"/> Flower: colour of petals (RHS colour chart)	61B	61B	61B
<input checked="" type="checkbox"/> Plant: growth rate	medium to vigorous	medium	very slow
<input type="checkbox"/> Young stem: colour (RHS colour chart)	187B	187C	187A
<input type="checkbox"/> Leaf: cross section	lightly concave	strongly concave	lightly concave
<input type="checkbox"/> Plant: attitude	semi-erect to spreading	semi-erect	spreading
<input type="checkbox"/> Flower: predominant colour of petals	dark pink to red	dark pink to red	dark pink to red

Prior Applications: Nil

First sold in Australia in April 2021.

Description: Jordan Smark, Wonga Park, VIC



Loropetalum chinense (Chinese Fringe Flower) 'IB 502-1' with comparators 'Bobz Red' and 'Peack'

Details of Application

Application Number	2022/081
Variety Name	'IB705-13'
Genus Species	<i>Correa pulchella</i>
Common Name	Salmon Correa
Accepted Date	08-Jun-2022
Applicant	Plant Growers Australia, Wonga Park, VIC Australia
Agent	Plants Management Australia Pty. Ltd, TAS Australia
Qualified Person	Jordan Smark

Details of Comparative Trial

Location	Wonga Park, VIC
Descriptor	PBR CORR
Period	March 2023 to May 2024
Conditions	Trial conducted in the open, plants propagated from cuttings during March 2023, and transferred to 140mm pots in June 2023. Pots filled with soilless, pinebark based mix with controlled release fertilizers. Appropriate pest and disease treatments were applied as required.
Trial Design	Fifteen pots of each variety in a completely randomised design
Measurements	From ten plants randomly selected.
RHS Chart - edition	Fifth Edition

Origin and Breeding

Controlled pollination: A controlled cross pollination occurred between the maternal parent 'Ring a Ding Ding' and paternal parent Little Cate in winter/spring 2014. Seedlings were raised in March 2015 and were raised to flowering maturity over the following two years. Initial selections were made in May 2017 based on the following breeding criteria, pink flower colour and very dense dark green foliage on a bushy plant. These plants were evaluated for a further year, at which point propagation, garden and production performance were trialled. A final selection was made in 2018 and all subsequent generations have remained uniform and stable. Breeder: Plant Growers Australia, Wonga Park, VIC Australia

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	density	dense
Leaf	shape	ovate
Corolla	main colour	light pink
Flowers	arrangement	solitary
Flowers	attitude	pendulous
Flower	shape	campanulate
Style	length	medium
Anther	position in relation to corolla	below
Plant	height	short (<1m)

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Little Cate'	
'Pink Mist'	

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

Organ/Plant Part: Context	'IB705-13'	'Little Cate'	'Pink Mist'
<input type="checkbox"/> Plant: attitude of branches	erect to semi-erect	erect to semi-erect	erect
<input type="checkbox"/> Plant: height	short (< 1m)	short (< 1m)	short (< 1m)
<input checked="" type="checkbox"/> Stem: colour (RHS colour chart)	N199C	199A	N199C
<input type="checkbox"/> Stem: hairiness	medium	medium	medium
<input checked="" type="checkbox"/> Stem: colour of hairs	reddish	reddish	brownish
<input type="checkbox"/> Leaf: shape	ovate	ovate	ovate
<input type="checkbox"/> Leaf: apex	acute	obtuse	acute
<input checked="" type="checkbox"/> Leaf: base	rounded	truncate	obtuse
<input type="checkbox"/> Leaf: undulation of margin	absent or very weak	absent or very weak	very weak to weak
<input type="checkbox"/> Leaf: cross section	concave	concave	concave
<input type="checkbox"/> Leaf: longitudinal section	concave	concave	concave
<input type="checkbox"/> Leaf: upper side hairiness	weak to medium	weak to medium	medium
<input type="checkbox"/> Leaf: upper side hairiness colour	whitish	whitish	whitish
<input checked="" type="checkbox"/> Leaf: upper side colour (RHS chart)	137A	137B	137C
<input checked="" type="checkbox"/> Leaf: lower side hairiness	medium	medium	strong
<input checked="" type="checkbox"/> Leaf: lower side colour (RHS chart)	138A	144A	146B
<input type="checkbox"/> Petiole: length	short to medium	medium	short to medium
<input type="checkbox"/> Flowers: arrangement	solitary	solitary	solitary
<input type="checkbox"/> Flowers: attitude	pendulous	pendulous	pendulous
<input type="checkbox"/> Flowers: position	axillary	terminal and axillary	terminal and axillary
<input type="checkbox"/> Flowers: shape	campanulate	campanulate	campanulate
<input checked="" type="checkbox"/> Flowers: length	short to medium	medium to long	short to medium
<input checked="" type="checkbox"/> Flowers: diameter	narrow to medium	medium	medium to broad
<input checked="" type="checkbox"/> Perianth: lobes reflexing	strong to very strong	medium	medium to strong
<input checked="" type="checkbox"/> Calyx: colour (RHS chart)	144C	144B	144A
<input type="checkbox"/> Style: length	medium	medium	medium
<input type="checkbox"/> Style: colour	green	green	white
<input type="checkbox"/> Anther: position in relation to corolla	below	below	below
<input type="checkbox"/> Anther: colour	yellow	green	yellow

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'IB705-13'	'Little Cate'	'Pink Mist'
<input type="checkbox"/> Plant: growth habit	upright to bushy	bushy	upright
<input type="checkbox"/> Plant: density	dense	dense	dense

<input checked="" type="checkbox"/>	Plant: volume of flowers	high	medium	low
<input checked="" type="checkbox"/>	Leaf: glossiness of upper side	strong to medium	strong to medium	weak
<input checked="" type="checkbox"/>	Perianth: colour (RHS colour chart)	37C	62A	62A
<input checked="" type="checkbox"/>	Perianth: inner colour (RHS chart)	N155C	65B	62B
<input type="checkbox"/>	Corolla: main colour	light pink	light pink	light pink
<input checked="" type="checkbox"/>	Corolla: primary colour (RHS chart)	58D	58B	N57D
<input checked="" type="checkbox"/>	Corolla: presence of secondary colour	present	absent	present
<input type="checkbox"/>	Corolla: distribution of secondary colour	base		base
<input checked="" type="checkbox"/>	Leaf: blade size	very small to small	small	medium

Prior Applications: Nil

First sold in Australia in May 2021

Description: Jordan Smark, Wonga Park, VIC



Correa pulchella (Salmon Correa) variety 'IB705-13' with comparators 'Little Cate' and 'Pink Mist'

Details of Application

Application Number	2022/141
Variety Name	'ELLESMERE'
Genus Species	<i>Arachis hypogaea</i>
Common Name	Peanut
Accepted Date	17-Nov-2022
Applicant	Peanut Company of Australia Ltd; Grains Research and Development Corporation; State of Queensland through the Department of Agriculture and Fisheries
Qualified Person	Graeme Wright, Kingaroy, QLD

Details of Comparative Trial

Location	Kingaroy Research Facility, Kingaroy, QLD
Descriptor	Peanut, <i>Arachis hypogaea</i> , UPOV TG 93/3
Period	December 2022 - May 2023
Conditions	The trial at Qld Dept Agriculture and Fisheries Kingaroy Research Facility, Goodger Rd, Taabinga, was conducted under standard management practices using full irrigation, non-limiting fertiliser and full insect and foliar disease control.
Trial Design	120 plants of each of 5 cultivars ('Ellesmere' G1 - generation harvested in 2021; 'Ellesmere' G2 - generation harvested in 2022; 'Taabinga'; 'Kairi'; 'Alloway') in a Randomised Block Design with 4 replicates planted in 1 x 5m rows at Kingaroy Research Station.
Measurements	Physical characteristics, pod yield and grade measured and analysed. Mature pods/kernels harvested from each plot on ~ 26 May 2023. Pod and kernel widths and lengths (50 measurements of pods/kernels per plot) + 100 kernel weights (g) were determined. Analysis of variance (ANOVA) on data to be conducted with Genstat Release 12.
RHS Chart - edition	n/a

Origin and Breeding

Controlled pollination: P135-76 is an early maturity F4 derived line made from a 2-way cross of released commercial variety 'Redvale' (PBR Application # 2013/033) with breeding line 'D283-p3/135-75'. 'D283-p3/135-75' was a hi-oleic line developed from a cross of two highly foliar and soil-borne disease resistant parents [Sutherland (DAFQ/GRDC program) x Southern Runner (University of Florida program)]. The (P135) cross was made in the summer of 2012-13 and F1 seed grown out in the 2013 winter field nursery at a farmer's field near Gordonvale in North Queensland. A single seed descent breeding strategy was used to rapidly inbreed the P135 population. Approximately 350 F2 seeds were harvested from around 15 spaced F1 plants grown in the N. Qld winter nursery. In the following 2013/14 summer in a field block at the QDAF Bundaberg Research Station the F2 population was grown out as ~ 350 spaced F2 plants. At harvest, plants were dug/inverted, and two pods picked from each F2 plant, with the seed from 1 of the pods used to progress the F3 population, and the other pod stored for reserve seed). A single F3 seed from each pod was then planted out in the 2014 winter field nursery at a farmer's field near Gordonvale in North Queensland, and the same pod-picking procedure as used in the F3 population employed to secure F4 seed for the P135 population. Subsequently, this F4 seed was grown out as single F4 plants (approximately 300 spaced plants) in a field block at the QDAF Bundaberg Research Station in S. Qld in the 2014/15 summer, and single plant selections made for superior pod load/ yield, high harvest index (visually assessed), Peanut Kernel Shrivell (PKS) tolerance (assessed from the shelled grading

sample) and high grade-out characters. Plants were also selected for high levels of foliar disease resistance, especially late leaf spot and leaf rust. A single site 'Early F5 Single Seed Descent Preliminary yield test' was subsequently grown at the QDAF Bundaberg Research Station in S. Qld in the summer of 2015/16, in which 3 x P135 F4 derived plant selections were tested against early maturity checks. A breeding line 'P135-76' was then selected to progress to multi-location yield testing trials, based in superior kernel yield, high grade out and good PKS/disease tolerance. P135-76 was then included in a '3-site Early Preliminary yield trial' conducted in 2016/17 at the QDAF Kingaroy ('Taabinga' and 'Redvale') Research Stations, as well as on a farmer field in Bundaberg in S. Qld. The line was then promoted/tested over the following 4 years (2017/18 – 2020/21) in early maturity regional variety evaluation trials and found to have superior kernel yield, grade out, late leaf spot and leaf rust tolerance and also superior Peanut Kernel Shivel (PKS) tolerance compared to 'Redvale', 'Taabinga' and 'Walter' (the early maturity checks). Breeder: Dr Graeme Wright, Peanut Company of Australia Ltd, Kingaroy, QLD.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Kernel	oleic acid content	high
Pod	number of kernels	two

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Taabinga'	high oleic acid, large runner type kernel
'Kairi'	high oleic acid, large runner type kernel
'Alloway'	high oleic acid, large runner type kernel

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

Organ/Plant Part: Context	'ELLESMERE'	'Alloway'	'Kairi'	'Taabinga'
<input type="checkbox"/> Plant: growth habit	semi erect	semi erect	semi erect	semi erect
<input type="checkbox"/> Plant: density	dense	dense	dense	dense
<input type="checkbox"/> Stem: anthocyanin colouration	absent or weak	absent or weak	absent or weak	absent or weak
<input type="checkbox"/> Main stem: presence of flowers	absent	absent	absent	absent
<input type="checkbox"/> Leaf: intensity of green colour	medium	medium	medium	medium
<input type="checkbox"/> Leaflet: length	medium	medium	medium	medium
<input checked="" type="checkbox"/> Leaflet: position of broadest part	at middle	moderately towards apex	moderately towards apex	at middle
<input type="checkbox"/> Leaflet: shape of apex	broad pointed	broad pointed	broad pointed	broad pointed
<input type="checkbox"/> Primary branch: flowering pattern	sequential	sequential	sequential	sequential
<input type="checkbox"/> Pod: constrictions	medium	weak	strong	weak
<input type="checkbox"/> Pod: reticulation of surface	medium	weak	strong	weak
<input type="checkbox"/> Pod: number of kernels	two	two	two	two
<input type="checkbox"/> Kernel: main colour of testa	red	brownish pink	brownish pink	brownish pink
<input type="checkbox"/> Kernel: presence of secondary colour of testa	absent	absent	absent	absent
<input type="checkbox"/> Kernel: 100 kernel weight	medium	high	high	medium

<input type="checkbox"/>	Pod: thickness of shell	thin	thin	medium	thin
<input checked="" type="checkbox"/>	Plant: time of maturity	early	late	late	early

Characteristics Additional to the Descriptor/TG

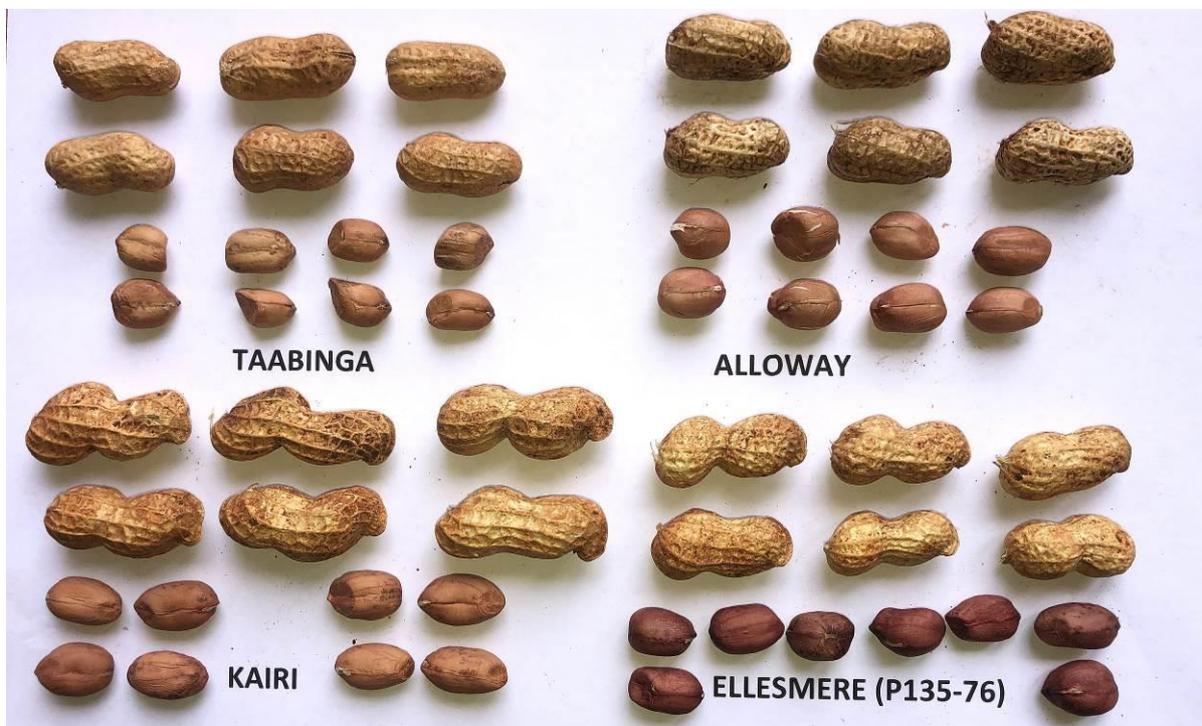
Organ/Plant Part: Context	'ELLESMERE'	'Alloway'	'Kairi'	'Taabinga'
<input checked="" type="checkbox"/> Growth Habit: Prominence of Rooster Tail	inconspicuous	inconspicuous	medium	inconspicuous
<input checked="" type="checkbox"/> Kernel: Width	Broad	Broad	Medium	Narrow
<input checked="" type="checkbox"/> Kernel: Shape	Spheroidal	Spheroidal	Cylindrical	Spheroidal
<input checked="" type="checkbox"/> Pod: Prominence of Beak	Medium Prominent	absent or very weak	medium	absent or very weak
<input checked="" type="checkbox"/> Kernel: Length	Medium	Medium	Long	Short
<input type="checkbox"/> Kernel: Oleic Acid Content	High	High	High	High

Statistical Table

Organ/Plant Part: Context	'ELLESMERE'	'Alloway'	'Kairi'	'Taabinga'
<input checked="" type="checkbox"/> Kernel: length (mm)				
Mean	15.90 mm	15.60 mm	19.00 mm	14.80 mm
Std. Deviation	0.39 mm	0.09 mm	0.46 mm	0.06 mm
Lsd/sig	0.77	ns	P≤0.01	P≤0.01

Prior Applications and Sales: Nil

Description: Graeme Wright, Kingaroy, QLD



Arachis hypogaea (Peanut) variety 'ELLESMERE' with comparators 'Taabinga', 'Alloway' and 'Kairi'

Details of Application

Application Number	2022/161
Variety Name	'Macane005'
Genus Species	<i>Anemone hupehensis Lemoine x A. rupicola Cambess</i>
Common Name	Japanese Anemone
Synonym	Dainty Swan
Accepted Date	07-Oct-2022
Applicant	Alasdair MacGregor, Elizabeth MacGregor, Kurkcudbrigh United Kingdom
Agent	Plants Management Australia Pty Ltd, TAS Australia
Qualified Person	Jordan Smark

Details of Comparative Trial

Location	Wonga Park, VIC
Descriptor	PBR GEN DES
Period	October 2022 to May 2024
Conditions	Trial conducted in the open, plants propagated from cuttings during October 2022 and transferred to 140mm pots in January 2023. Pots filled with soilless, pinebark based mix with controlled release fertilizers. Appropriate pest and disease treatments were applied as required.
Trial Design	Fifteen pots of each variety in a completely randomised design
Measurements	From ten plants randomly selected.
RHS Chart - edition	Fifth Edition

Origin and Breeding

Controlled pollination: Macane005 is the result of a controlled cross-pollination breeding program carried out by the breeders in Kirkcudbright, UK, as part of an ongoing breeding project to produce a variety with compact growth habit, single to semi-double flowers, early flowering and white with pink reverse flower colour. The maternal parent, unnamed 'Anemone hybrid' seedling, was crossed with an unnamed 'Anemone hupehensis' seedling in 2007. Seed was then harvested and germinated, and the resulting seedlings were then grown to a mature size. In July 2008, the breeders selected 'Macane005' based upon plant characteristics (above). Asexual reproduction was trialed in 2008 by root cuttings, and several years later by meristematic tissue culture. All successive propagation generations have all remained uniform and stable. Breeder: Elizabeth MacGregor, Alasdair MacGregor Kurkcudbrigh United Kingdom

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	type	compound
Leaf	size	medium
Leaf	presence of variegation	absent
Leaf	presence of anthocyanin colour	present
Petiole	presence of anthocyanin colour	present
Peduncle	degree of anthocyanin colour	strong
Flower	attitude	horizontal
Plant	number of flowers	medium
Petal	predominant colour of upper side	white
Sepal (immature)	predominant colour of underside	red-purple

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Elfin Swan'	

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Wild Swan' Plant	height	medium	tall	
'Wild Swan' Sepal (mature)	predominant colour of underside	red-purple	violet	

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

Organ/Plant Part: Context	'Macane005'	'Elfin Swan'
<input type="checkbox"/> Plant: type	herbaceous perennial	herbaceous perennial

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Macane005'	'Elfin Swan'
<input type="checkbox"/> Sepal: upper side different to underside	present	present
<input type="checkbox"/> Sepal: predominant colour of upper side (RHS colour chart)	N155C	NN155C
<input checked="" type="checkbox"/> Sepal: secondary colour of upper side (RHS colour chart) (RHS Chart)	76B	N86D
<input checked="" type="checkbox"/> Sepal (mature): predominant colour of underside side (RHS colour chart)	72B	N87B
<input type="checkbox"/> Sepal (immature): predominant colour of underside side (RHS colour chart)	71A	71A
<input type="checkbox"/> Sepal (immature): predominant colour of underside side	Red-purple	Red-purple
<input checked="" type="checkbox"/> Plant: time of beginning of flowering	very early	medium
<input checked="" type="checkbox"/> Plant: summer flowering	present	absent
<input type="checkbox"/> Plant: number of inflorescences	medium	medium
<input type="checkbox"/> Flower: attitude	horizontal	horizontal
<input checked="" type="checkbox"/> Flower: diameter	medium to large	small to medium
<input checked="" type="checkbox"/> Peduncle: length of peduncle	medium to long	short to medium
<input type="checkbox"/> Petiole: length of petiole	short to medium	short to medium
<input type="checkbox"/> Flower: type	single and semi-double	single
<input type="checkbox"/> Plant: size	medium	small to medium
<input type="checkbox"/> Plant: height	medium	short to medium
<input type="checkbox"/> Leaf: type	compound	compound
<input type="checkbox"/> Leaf: size	medium	medium
<input type="checkbox"/> Leaf: attitude	semi-erect	erect
<input type="checkbox"/> Leaf: length of blade	medium	Medium
<input type="checkbox"/> Leaf: incision of margin	present	present

<input checked="" type="checkbox"/>	Leaf: depth of incision	shallow to medium	medium to deep
<input checked="" type="checkbox"/>	Leaf: type of incision	crenate	toothed
<input type="checkbox"/>	Leaf: presence of variegation	absent	absent
<input checked="" type="checkbox"/>	Leaf: colour (RHS colour chart)	146A	Ca 137B
<input type="checkbox"/>	Leaf: presence of anthocyanin colour	present	present
<input type="checkbox"/>	Leaf: distribution of colouration	margin	margin
<input checked="" type="checkbox"/>	Leaf: degree of anthocyanin colour	weak to medium	very weak to weak
<input type="checkbox"/>	Petiole: presence of hairs	present	present
<input type="checkbox"/>	Petiole: degree of hairiness	dense	medium
<input type="checkbox"/>	Petiole: presence of anthocyanin colour	present	present
<input checked="" type="checkbox"/>	Petiole: degree of anthocyanin colour	medium	strong
<input type="checkbox"/>	Peduncle: presence of anthocyanin colour	present	present
<input type="checkbox"/>	Peduncle: degree of anthocyanin colour	strong	strong
<input type="checkbox"/>	Petal: predominant colour of upper side (RHS colour chart)	NN155C	NN155C
<input type="checkbox"/>	Petal: predominant colour of upper side	White	White
<input type="checkbox"/>	Leaf: width of leaf blade	narrow to medium	narrow to medium

Prior Applications and Sales:

Country	Year	Status	Name Applied
USA	2016	Granted	'MACANE005'
EU	2017	Granted	'MACANE005'

First sold in Netherlands in December 2018 and in Australia in August 2021.

Description: Jordan Smark, Wonga Park, VIC



Anemone hupehensis Lemoine x *A. rupicola* Cambess (Japanese Anemone) variety 'Macane005' with comparator 'Elfin Swan'

Details of Application

Application Number	2022/190
Variety Name	'MR 33-31'
Genus Species	<i>Vitis</i> hybrid
Common Name	Grape vine
Synonym	Dominant
Accepted Date	02-Dec-2022
Applicant	Commonwealth Scientific and Industrial Research Organisation, Canberra, Australia
Qualified Person	Peter Clingeffer

Details of Comparative Trial

Location	CSIRO Irymple Farm, 447 Dow Avenue, Irymple. Victoria 3498
Descriptor	TG 50/09
Period	2015-2023
Conditions	'MR 33-31' (syn. Dominant) was compared with the two common knowledge rootstock varieties, known to confer high vigour to the grafted scion (i.e. Dogridge and Ramsey). Other common knowledge high vigour rootstocks, 1103 Paulsen, 140 Ruggeri and 775 Paulsen, were grouped out based on flower sex. The vines were propagated from dormant cuttings which were collected during winter 2016 and rooted in sand before establishment in standard potting mix in 4.5 L pots in spring 2016. They were maintained in the shade house at the CSIRO Irymple farm site. The vines have been maintained by pruning back to a 2-bud spur when dormant in winter.
Trial Design	The trial included 15 single pot replicate vines of each rootstock established in a fully randomized block design across a number of benches in the shade house.
Measurements	Leaf measurements were recorded 10/01/2018 for vines in the pot trial. The first fully expanded leaf from the shoot tip was selected for this purpose. 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 and distal blade width (W1) were also recorded. The measurements were used to calculate a number of ratios and analysed using Systat 13.2. Pairwise comparisons were used to identify significant differences between means based on Fisher's Least-Significant-Difference test.
RHS Chart - edition	n/a

Origin and Breeding

Controlled pollination: 'MR 33-31' (syn. Dominant) originated from a controlled cross between 'Kober 5BB' (*Vitis berlandieri* 'Resseguier 2' and *Vitis riparia* 'Gloire de Montpellier') and 'Davis K 49-56' (*Vitis champinii* Planchon 'Dogridge' and *Vitis rupestris* Scheele 'St George'). The cross, conducted in 1986, under the supervision of Mr. Peter Clingeffer at the former CSIRO Merbein site aimed to develop complex multispecies rootstock hybrids. Seedlings from the cross were planted in the experimental vineyard at CSIRO Merbein in 1987, trained to a single wire trellis and maintained using standard viticultural practices until their removal in 2010. Source plantings of MR 33-31 propagated vegetatively from dormant cuttings, are now located at the CSIRO Irymple farm site in

NW Victoria. Ungrafted material of MR 33-13 displayed high vigour, high drought tolerance, resistance to root knot nematodes (*Meloidogyne javanica* and *M. incognita*) and resistance to the widespread biotype-A genetic strains of phylloxera (*Daktulosphaira vitifoliae* Fitch., G1 and G4). MR 33-31 was established in 2003 in a replicated screening trial with more than 100 rootstock genotypes grafted with Sunmuscat, at the CSIRO Irymple farm site. It's potential was first recognised in 2010 when it showed high Sunmuscat productivity under drought conditions. Consequently, it was established in a comparative field trial in 2011 with high vigour rootstocks grafted with dried grape cultivars located at the CSIRO Irymple site. The trial included a sustained deficit irrigation treatment (45% of the control). Over 10 seasons (2014-23), 'MR 33-31' had similar yields to the commercial high vigour rootstocks '1103 Paulsen', '140 Ruggeri' and 'Ramsey' and maintained its high productivity under deficit treatments. Performance data was used to select 'MR 33-13' as a potential new rootstock for dried grape production because of its ease of propagation and grafting and compatibility with major dried fruit cultivars; its root knot nematode and phylloxera resistance; its drought tolerance and its high productivity, which is maintained under sustained deficit irrigation. Breeder: Commonwealth Scientific and Industrial Research Organisation, Canberra, Australia

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Fruit	presence/absence	present
Plant	vigour	high
Berry	shape	globose
Berry	colour of skin (without bloom)	blue black
Berry	particular flavour	none
Berry	formation of seeds	complete

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Ramsey'	Major high vigour rootstock, widely adopted in Australia for wine dried and table grape production.
'Dogridge'	High vigour rootstock which is not widely grown in Australia, except to enhance scion vigour of varieties with inherently low vigour traits.

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator
'1103 Paulsen'	fruit present/absent	present	absent
'140 Ruggeri'	fruit present/absent	present	absent
'775 Paulsen'	fruit present/absent	present	absence

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

Organ/Plant Part: Context	'MR 33-31'	'Dogridge'	'Ramsey'
<input type="checkbox"/> *Time of: bud burst	early to medium	medium to late	early to medium
<input checked="" type="checkbox"/> *Young shoot: openness of tip	wide open	half open	half open
<input checked="" type="checkbox"/> *Young shoot: prostrate hairs on tip	dense	very dense	very dense
<input type="checkbox"/> *Young shoot: anthocyanin colouration of prostrate hairs on tip	weak to medium	medium	medium

<input type="checkbox"/> Young shoot: erect hairs on tip	absent or very sparse	absent or very sparse	absent or very sparse
<input checked="" type="checkbox"/> *Young leaf: colour of upper side of blade	wine red	yellow green	yellow green
<input checked="" type="checkbox"/> *Young leaf: prostrate hairs between main veins on lower side of blade	sparse	medium	medium
<input type="checkbox"/> Young leaf: erect hairs on main veins on lower side of blade	sparse	sparse	sparse
<input type="checkbox"/> Shoot: attitude (before tying)	semi-erect	semi-erect	semi-erect
<input type="checkbox"/> Shoot: colour of dorsal side of internodes	green and red	red	green and red
<input checked="" type="checkbox"/> *Shoot: colour of ventral side of internodes	green and red	green	green
<input type="checkbox"/> Shoot: colour of dorsal side of nodes	red	red	red
<input type="checkbox"/> Shoot: colour of ventral side of nodes	green and red	green	green
<input type="checkbox"/> Shoot: erect hairs on internodes	absent or very sparse	sparse	medium
<input type="checkbox"/> Shoot: length of tendrils	medium	long	medium
<input checked="" type="checkbox"/> *Flower: sexual organs	fully developed stamens and fully developed gynoecium	reflexed stamens and fully developed gynoecium	reflexed stamens and fully developed gynoecium
<input type="checkbox"/> *Mature leaf: size of blade	medium to large	medium	small to medium
<input type="checkbox"/> *Mature leaf: shape of blade	wedge-shaped	wedge-shaped	pentagonal
<input type="checkbox"/> Mature leaf: blistering of upper side of blade	strong	medium	weak
<input type="checkbox"/> *Mature leaf: number of lobes	three	three	three
<input type="checkbox"/> Mature leaf: depth of upper lateral sinuses	absent or very shallow	absent or very shallow	absent or very shallow
<input type="checkbox"/> Mature leaf: arrangement of lobes of upper lateral sinuses (varieties with lobed leaves only)	open	open	open
<input type="checkbox"/> *Mature leaf: arrangement of lobes of petiole sinus	wide open	wide open	wide open
<input type="checkbox"/> *Mature leaf: length of teeth	short	very short to short	short
<input type="checkbox"/> *Mature leaf: ratio length/width of teeth	very small	very small	small
<input type="checkbox"/> *Mature leaf: shape of teeth	both sides convex	both sides convex	mixture of both sides straight and both sides convex
<input type="checkbox"/> *Mature leaf: proportion of main veins on upper side of blade with anthocyanin colouration	low	very low to low	absent or very low
<input type="checkbox"/> Mature leaf: prostrate hairs between main veins on lower side of blade	absent or very sparse	absent or very sparse	sparse

<input type="checkbox"/> *Mature leaf: erect hairs on main veins on lower side of blade	sparse	sparse	absent or very sparse
<input type="checkbox"/> Mature leaf: length of petiole compared to length of middle vein	moderately shorter	moderately shorter	moderately shorter
<input type="checkbox"/> *Time of: beginning of berry ripening	medium	late	early
<input type="checkbox"/> *Bunch: size (peduncle excluded)	very small	very small	very small
<input type="checkbox"/> *Bunch: density	medium	lax	dense
<input type="checkbox"/> Bunch: length of peduncle of primary bunch	very short	very short	very short
<input checked="" type="checkbox"/> *Berry: size	very small	medium	medium
<input type="checkbox"/> *Berry: shape	globose	globose	globose
<input type="checkbox"/> *Berry: colour of skin (without bloom)	blue black	blue black	blue black
<input type="checkbox"/> Berry: ease of detachment from pedicel	moderately easy	difficult	difficult
<input type="checkbox"/> Berry: thickness of skin	medium	medium	thick
<input checked="" type="checkbox"/> *Berry: anthocyanin colouration of flesh	strong	absent or very weak	medium
<input type="checkbox"/> Berry: firmness of flesh	very firm	moderately firm	very firm
<input type="checkbox"/> *Berry: particular flavour	none	none	none
<input type="checkbox"/> *Berry: formation of seeds	complete	complete	complete
<input type="checkbox"/> Woody shoot: main colour	dark brown	dark brown	dark brown

Statistical Table

Organ/Plant Part: Context	'MR 33-31'	'Dogridge'	'Ramsey'
<input type="checkbox"/> mature leaf: L2/L3 (ratio)			
Mean	1.39	1.21	1.29
Std. Deviation	0.09	0.07	0.06
Lsd/sig	0.048/0.000	P≤0.01	P≤0.01
<input type="checkbox"/> mature leaf: R2/R3 (ratio)			
Mean	1.39	1.17	1.28
Std. Deviation	0.13	0.10	0.07
Lsd/sig	0.064/0.000	P≤0.01	P≤0.01
<input type="checkbox"/> mature leaf: length (L1)/width (W1) (ratio)			
Mean	0.94	1.10	1.02
Std. Deviation	0.10	0.14	0.09
Lsd/sig	0.073/0.002	P≤0.01	P≤0.01
<input type="checkbox"/> mature leaf: L2/L1 (ratio)			
Mean	0.84	0.78	0.81
Std. Deviation	0.03	0.04	0.04
Lsd/sig	0.019/0.000	P≤0.01	P≤0.01
<input type="checkbox"/> mature leaf: width (W1) (mm)			

Mean	98.87	86.27	81.73
Std. Deviation	20.20	9.41	11.40
Lsd/sig	9.2/0.009	P≤0.01	P≤0.01

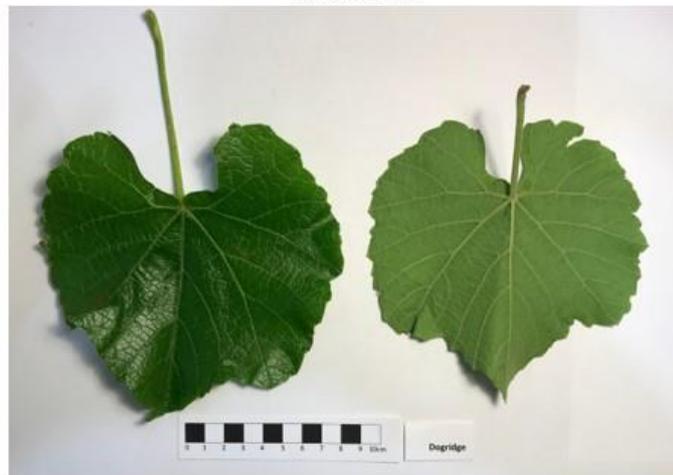
Prior Applications and Sales:

No prior sale or application.

Description: Peter Clingeffer, CSIRO



'MR 33-31'



'Dogridge'



'Ramsey'

Vitis vinifera (Grape vine) variety 'MR 33-31' with comparators 'Dogridge' and 'Ramsey'

Details of Application

Application Number	2022/191
Variety Name	'MR 05-20'
Genus Species	<i>Vitis</i> hybrid
Common Name	Grape vine
Synonym	Elegant
Accepted Date	02-Dec-2022
Applicant	Commonwealth Scientific and Industrial Research Organisation, Canberra, Australia
Qualified Person	Peter Clingeleffer

Details of Comparative Trial

Location	CSIRO Irymple Farm, 447 Dow Avenue, Irymple. Victoria 3498
Descriptor	TG 50/09
Period	2016-2023
Conditions	'MR 05-20' (syn. Elegant) was compared with the two common knowledge rootstock varieties, known to confer low vigour to the grafted scion (i.e. 101-14 Mgt and Schwarzmann). Other common knowledge low vigour rootstocks were grouped out based on flower sex, in the case of 41B and Merbein 5512, and shape of the petiolar sinus in the case of 3309 Courdec, 420A and Merbein 5489. The vines were propagated from dormant cuttings which were collected during winter 2016 and rooted in sand before establishment in standard potting mix in 4.5 L pots in spring 2016. They were maintained in the shade house at the CSIRO Irymple farm site. The vines have been maintained by pruning back to a 2-bud spur when dormant in winter.
Trial Design	The trial included 15 single pot replicate vines of each rootstock established in a fully randomized block design across a number of benches in the shade house.
Measurements	Leaf measurements were recorded 10/01/2018 for vines in the pot trial. The first fully expanded leaf from the shoot tip was selected for this purpose. 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 and distal blade width (W1) were also recorded. The measurements were used to calculate a number of ratios and analysed using Systat 13.2. Pairwise comparisons were used to identify significant differences between means based on Fisher's Least-Significant-Difference test.
RHS Chart - edition	n/a

Origin and Breeding

Controlled pollination: 'MR 05-20' (syn. Elegant) originated from a controlled cross between 'Dogridge' (*Vitis x champinii*) and 'Schwarzmann' (*Vitis rupestris x Vitis riparia* 'Gloire de Montpellier') conducted in 1985 under the supervision of Mr. Peter Clingeleffer at the former CSIRO Merbein site. The cross aimed to develop complex multispecies rootstock hybrids. Seedlings from the cross were planted in the experimental vineyard at CSIRO Merbein in 1986, trained to a single wire trellis and maintained using standard viticultural practices until their removal in 2010. Source plantings of MR 05-20 propagated vegetatively from dormant cuttings, are now located at

the CSIRO Irymple farm site in NW Victoria. Ungrafted material of MR 05-20 displayed moderate vigour, high drought tolerance, good propagation traits, good chloride exclusion and resistance to root knot nematodes (*Meloidogyne javanica* and *M. incognita*) and resistance to the most widespread biotype-A genetic strains of phylloxera (*Daktulosphaira vitifoliae* Fitch., G1 and G4). MR 05-20 has been evaluated in comparative rootstock field trials involving commercial rootstock selections grafted with a range of wine grape scion cultivars at the CSIRO Irymple, Vic. Farm (planted in 2005) and in Padthaway, S.A. (planted in 2011). The trial in Padthaway included the low vigour rootstock, 101-14 Mgt commonly used in that region. Vine performance, fruit composition and winemaking data, where appropriate, were collected and analysed from these trials and used to select 'MR 05-20' as a potential new rootstock for the wine industry. Under hot climate conditions 'MR 05-20' conferred lower vigour to the scions than '1103 Paulsen' or '140 Ruggeri' but produced similar yields, an indication of enhanced water use efficiency associated with reduced transpiration from a smaller canopy and enhanced fruit composition. At the Padthaway Shiraz site with a limited supply of saline water, the performance of 'MR 05-20' best matched the low vigour rootstock 101-14 Mgt. with similar vigour and fruit composition but producing a higher yield, higher drought tolerance and lower juice chloride uptake. 'MR 05-20' has been selected because of its potential as a water efficient, low vigour rootstock; its drought and salt tolerance compared to 101-14 Mgt; its root knot nematode and phylloxera resistance; and its ability to produce yields equal to '1103 Paulsen' and '140 Ruggeri' with enhanced fruit composition under hot irrigated conditions. Breeders: Commonwealth Scientific and Industrial Research Organisation, Canberra, Australia

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

Organ/Plant Part Context		State of Expression in Group of Varieties
whole plant	vigour	low
fruit	absence/presence	absent
mature leaf	arrangement petiolar sinus	half open

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
Schwarzmann	A low vigour rootstock used for quality wine production, mainly in cooler Australian regions. It has very good propagation characteristics but is susceptible to water stress and drought.

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Merbein 5512'	Fruit absence/presence	absent	present	Very limited adoption in Australia.
'Merbein 5489'	Mature leaf arrangement petiolar sinus	half open	wide open	Limited adoption for quality red wine production
'3309 Courdec'	mature leaf arrangement petiolar sinus	half open lyre	slightly open V	
'420 A'	mature leaf arrangement petiolar sinus	half open lyre	wide open U	
'41 B 101-14'	fruit presence/absence	absent	present	
	Fruit presence/absence	absent	present	Rootstock 101-14 Mgt was originally included as a

comparator but is excluded
as it produced fruit

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

Organ/Plant Part: Context	'MR 05-20'	'Schwarzmann'
<input type="checkbox"/> *Time of: bud burst	early to medium	early to medium
<input checked="" type="checkbox"/> *Young shoot: openness of tip	half open	closed
<input checked="" type="checkbox"/> *Young shoot: prostrate hairs on tip	dense	absent or very sparse
<input type="checkbox"/> *Young shoot: anthocyanin colouration of prostrate hairs on tip	absent or very weak	absent or very weak
<input type="checkbox"/> Young shoot: erect hairs on tip	absent or very sparse	absent or very sparse
<input checked="" type="checkbox"/> *Young leaf: colour of upper side of blade	yellow green	wine red
<input type="checkbox"/> *Young leaf: prostrate hairs between main veins on lower side of blade	absent or very sparse	absent or very sparse
<input type="checkbox"/> Young leaf: erect hairs on main veins on lower side of blade	absent or very sparse	absent or very sparse
<input type="checkbox"/> Shoot: attitude (before tying)	semi-erect	semi-erect
<input type="checkbox"/> Shoot: colour of dorsal side of internodes	green and red	green and red
<input type="checkbox"/> *Shoot: colour of ventral side of internodes	green	green
<input checked="" type="checkbox"/> Shoot: colour of dorsal side of nodes	red	green
<input type="checkbox"/> Shoot: colour of ventral side of nodes	green	green and red
<input type="checkbox"/> Shoot: erect hairs on internodes	absent or very sparse	sparse
<input type="checkbox"/> Shoot: length of tendrils	medium	very short
<input type="checkbox"/> *Flower: sexual organs	fully developed stamens and no gynoecium	fully developed stamens and no gynoecium
<input type="checkbox"/> *Mature leaf: size of blade	small to medium	medium
<input checked="" type="checkbox"/> *Mature leaf: shape of blade	wedge-shaped	circular
<input type="checkbox"/> Mature leaf: blistering of upper side of blade	medium	medium
<input type="checkbox"/> *Mature leaf: number of lobes	three	three
<input type="checkbox"/> Mature leaf: depth of upper lateral sinuses	absent or very shallow	absent or very shallow
<input type="checkbox"/> Mature leaf: arrangement of lobes of upper lateral sinuses (varieties with lobed leaves only)	open	open
<input type="checkbox"/> *Mature leaf: arrangement of lobes of petiole sinus	half open	wide open
<input type="checkbox"/> *Mature leaf: length of teeth	long	long
<input type="checkbox"/> *Mature leaf: ratio length/width of teeth	small	medium
<input type="checkbox"/> *Mature leaf: shape of teeth	mixture of both sides straight and both sides convex	both sides convex
<input type="checkbox"/> *Mature leaf: proportion of main veins on	absent or very low	absent or very low

upper side of blade with anthocyanin colouration

Mature leaf: prostrate hairs between main veins on lower side of blade

absent or very sparse	absent or very sparse
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*Mature leaf: erect hairs on main veins on lower side of blade

sparse	absent or very sparse
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Mature leaf: length of petiole compared to length of middle vein

equal	much shorter
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Woody shoot: main colour

dark brown	dark brown
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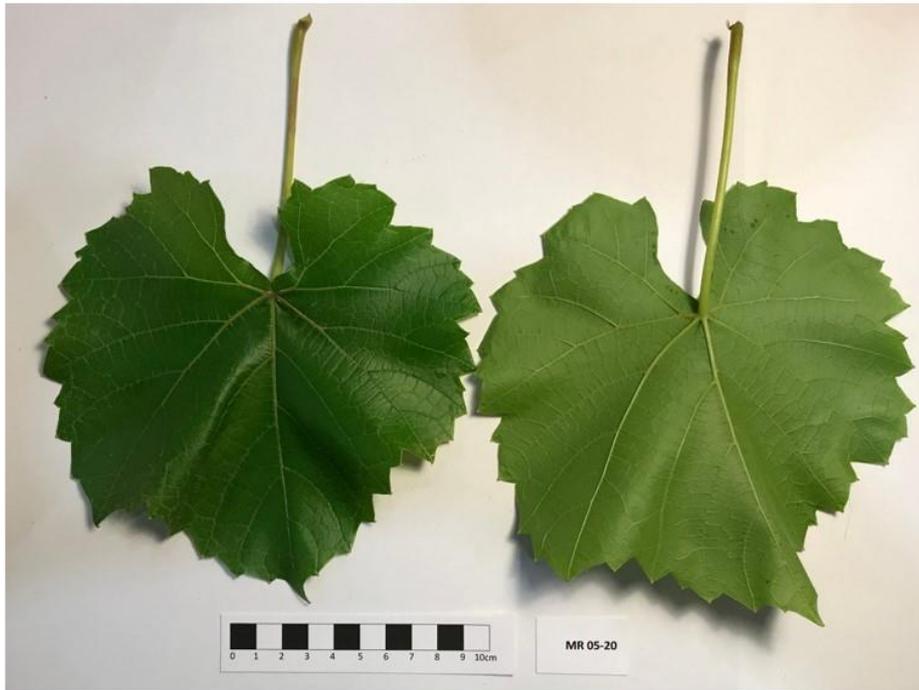
Statistical Table

Organ/Plant Part: Context	'MR 05-20'	'Schwarzmann'
<input type="checkbox"/> Mature leaf: length (L1) (mm)		
Mean	104.50	79.90
Std. Deviation	9.30	17.00
Lsd/sig	8.74/0.000	P≤0.01
<input type="checkbox"/> Mature leaf: petiole length (p1) (mm)		
Mean	57.70	36.70
Std. Deviation	10.00	8.10
Lsd/sig	5.79/0.000	P≤0.01
<input type="checkbox"/> Mature leaf: width (mm)		
Mean	122.30	94.10
Std. Deviation	17.90	25.10
Lsd/sig	13.9/0.002	P≤0.01
<input type="checkbox"/> mature leaf: L2		
Mean	83.50	68.50
Std. Deviation	7.20	11.70
Lsd/sig	6.18/0.000	P≤0.01
<input type="checkbox"/> Mature leaf: R2 (mm)		
Mean	81.60	66.60
Std. Deviation	8.60	11.40
Lsd/sig	6.44/0.001	P≤0.01
<input type="checkbox"/> Mature leaf: L3 (mm)		
Mean	65.10	51.70
Std. Deviation	6.50	10.30
Lsd/sig	5.46/0.000	P≤0.01
<input type="checkbox"/> Mature leaf: R3 (mm)		
Mean	65.00	52.30
Std. Deviation	6.90	10.60
Lsd/sig	5.70/0.001	P≤0.01

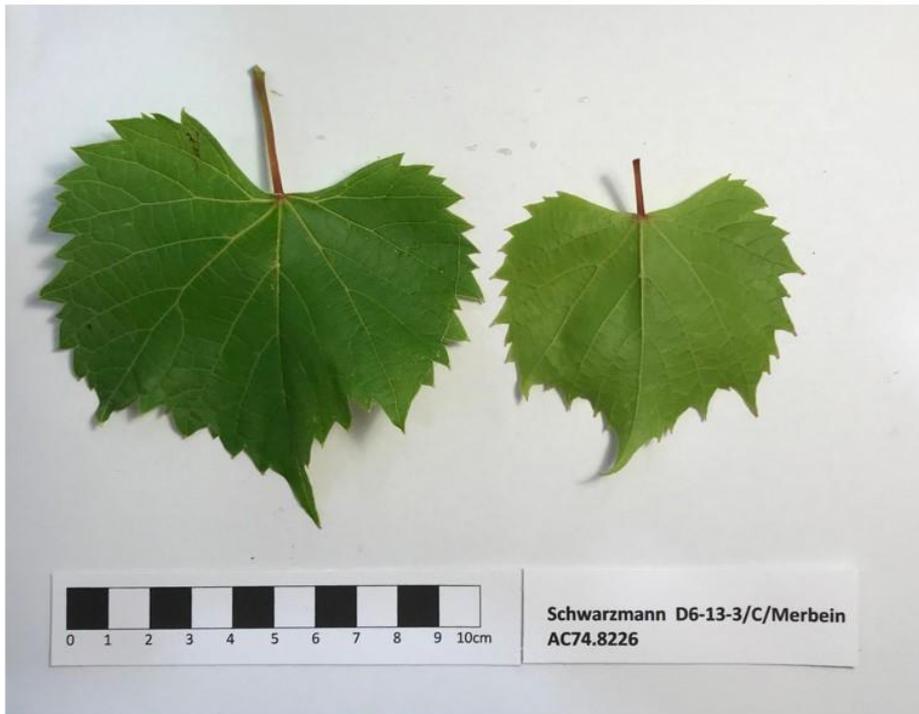
Prior Applications and Sales:

No prior sale or application.

Description: Peter Clingeleffer, CSIRO



'MR 05-20'



'Schwarzmann'

Vitis vinifera (Grape vine) variety 'MR 05-20' with
comparator 'Schwarzmann'

Details of Application

Application Number	2022/192
Variety Name	'MI 09-07'
Genus Species	<i>Vitis</i> hybrid
Common Name	Grape vine
Synonym	Resilient
Accepted Date	02-Dec-2022
Applicant	Commonwealth Scientific and Industrial Research Organisation, Canberra, Australia
Qualified Person	Peter Clingeleffer

Details of Comparative Trial

Location	CSIRO Irymple Farm, 447 Dow Avenue, Irymple. Victoria 3498
Descriptor	TG 50/09
Period	2016-2023
Conditions	MI 09-07(syn. Resilient) was compared with the two common knowledge rootstock varieties, known to confer high vigour to the grafted scion (i.e. '1103 Paulsen' and '140 Ruggeri'). Other high vigour rootstocks (i.e. Dogridge and Ramsey were grouped out based on flower sex (develop fruit). Similarly, '775 Paulsen' was not included as its young shoot tip has strong anthocyanin colouration which is absent in 'MI 09-07'. The vines were propagated from dormant cuttings which were collected during winter 2016 and rooted in sand before establishment in standard potting mix in 4.5 L pots in spring 2016. They were maintained in the shade house at the CSIRO Irymple farm site. The vines have been maintained by pruning back to a 2-bud spur when dormant in winter.
Trial Design	The trial included 15 single pot replicate vines of each rootstock established in a fully randomized block design across a number of benches in the shade house.
Measurements	Leaf measurements were recorded 10/01/2018 for vines in the pot trial. The first fully expanded leaf from the shoot tip was selected for this purpose. 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 and distal blade width were also recorded. The measurements were used to calculate a number of ratios and analysed using Systat 13.2. Pairwise comparisons were used to identify significant differences between means based on Fisher's Least-Significant-Difference test.

RHS Chart - edition**Origin and Breeding**

Controlled pollination: 'MI 09-07' (syn. Resilient) originated from a controlled cross between 'Davis K 51-32' (*Vitis champinii* Planchon x *Vitis riparia* Michaux) and 'MG 54-12' (*Vitis berlandieri* Reseguier 1 X *Vitis berlandieri* Mazade). The cross, conducted in 1984 under the supervision of Mr. Peter Clingeleffer at the former CSIRO Merbein site aimed to develop complex multispecies rootstock hybrids. Seedlings from the cross were planted in the experimental vineyard at CSIRO Merbein in 1985, trained to a single wire trellis and maintained using standard viticultural practices until their

removal in 2010. Source plantings of MI 09-07, propagated vegetatively from dormant cuttings, are now located at the CSIRO Irymple farm site in NW Victoria. Ungrafted material of 'MI 09-07' displayed high vigour, low chloride uptake, an indicator of good capacity for 'chloride exclusion', resistance to root knot nematodes (*Meloidogyne javanica* and *M. incognita*) and resistance to the widespread biotype-A genetic strains of phylloxera (*Daktulosphaira vitifoliae* Fitch., G1 and G4). MI 09-07 has been assessed in a number of comparative rootstock field trials when grafted with a range of wine and dried fruit varieties in a number of locations in hot irrigated vineyards in NW Victoria and in Padthaway in South Australia. These trials have included long term exposure to irrigation with saline water and sustained deficit irrigation. Vine performance, fruit composition and winemaking data, where appropriate, were collected and analysed for these trials and used to select 'MI 09-07' as a potential new rootstock for both the wine and dried grape industries. It has generally shown similar growth, production and fruit quality traits to 1103 Paulsen and 140 Ruggeri. 'MI 09-07' has been selected because of its good capacity to exclude chloride and to maintain generally acceptable productivity with saline irrigation water over a long-term period; its root knot nematode and phylloxera resistance; its ability to maintain productivity under sustained deficit irrigation with dried grape cultivars and its potential as a rootstock for 'Sunmuscat', a major dried grape cultivar in Australia. Breeder: Commonwealth Scientific and Industrial Research Organisation, Canberra, Australia.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Fruit	absence/present	absent
Whole vine	vigour	high vigour
Fruit	presence/absence	absent

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'1103 Paulsen'	High vigour rootstock used across all grape industries in most regions of Australia. Currently, it is the recommended rootstock for the key drying variety, Sunmuscat. It lacks resistance to root knot nematodes.
'140 Ruggeri'	A high vigour rootstock which is not widely adopted in Australia. It has value for its salt exclusion but is difficult to propagate and lacks resistance to root knot nematodes

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Ramsey'	fruit absence/presence	absent	present	
'Dogridge'	fruit absence/presence	absent	present	

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

Organ/Plant Part: Context	'MI 09-07'	'1103 Paulsen'	'140 Ruggeri'
<input checked="" type="checkbox"/> *Time of: bud burst	early to medium	late	medium
<input checked="" type="checkbox"/> *Young shoot: openness of tip	closed	slightly open	wide open
<input type="checkbox"/> *Young shoot: prostrate hairs on tip	absent or very sparse	sparse to medium	sparse
<input checked="" type="checkbox"/> *Young shoot: anthocyanin colouration of prostrate hairs on tip	absent or very weak	strong	medium

<input type="checkbox"/> Young shoot: erect hairs on tip	absent or very sparse	absent or very sparse	absent or very sparse
<input checked="" type="checkbox"/> *Young leaf: colour of upper side of blade	dark copper red	wine red	wine red
<input type="checkbox"/> *Young leaf: prostrate hairs between main veins on lower side of blade	absent or very sparse	absent or very sparse	absent or very sparse
<input type="checkbox"/> Young leaf: erect hairs on main veins on lower side of blade	absent or very sparse	absent or very sparse	very sparse to sparse
<input type="checkbox"/> Shoot: attitude (before tying)	semi-erect	semi-erect	erect
<input type="checkbox"/> Shoot: colour of dorsal side of internodes	red	red	red
<input type="checkbox"/> *Shoot: colour of ventral side of internodes	red	red	red
<input type="checkbox"/> Shoot: colour of dorsal side of nodes	red	green and red	red
<input type="checkbox"/> Shoot: colour of ventral side of nodes	red	red	green and red
<input type="checkbox"/> Shoot: erect hairs on internodes	absent or very sparse	absent or very sparse	sparse
<input type="checkbox"/> Shoot: length of tendrils	medium	medium	medium
<input type="checkbox"/> *Flower: sexual organs	fully developed stamens and no gynoecium	fully developed stamens and no gynoecium	fully developed stamens and no gynoecium
<input type="checkbox"/> *Mature leaf: size of blade	small	small	small
<input type="checkbox"/> *Mature leaf: shape of blade	wedge-shaped	wedge-shaped	wedge-shaped
<input type="checkbox"/> Mature leaf: blistering of upper side of blade	very weak to weak	weak	medium
<input type="checkbox"/> *Mature leaf: number of lobes	three	three	three
<input type="checkbox"/> Mature leaf: depth of upper lateral sinuses	absent or very shallow	absent or very shallow	absent or very shallow
<input type="checkbox"/> Mature leaf: arrangement of lobes of upper lateral sinuses (varieties with lobed leaves only)	open	open	open
<input checked="" type="checkbox"/> *Mature leaf: arrangement of lobes of petiole sinus	very wide open	wide open	wide open
<input type="checkbox"/> *Mature leaf: length of teeth	short	medium	short
<input type="checkbox"/> *Mature leaf: ratio length/width of teeth	small	small	small
<input type="checkbox"/> *Mature leaf: shape of teeth	both sides convex	both sides convex	both sides convex
<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
<input type="checkbox"/> Mature leaf: prostrate hairs between main veins on lower side of blade	absent or very sparse	absent or very sparse	absent or very sparse
<input type="checkbox"/> *Mature leaf: erect hairs on main veins on lower side of blade	absent or very sparse	absent or very sparse	absent or very sparse
<input type="checkbox"/> Mature leaf: length of petiole compared to length of middle vein	much shorter	moderately shorter	much shorter
<input type="checkbox"/> Woody shoot: main colour	dark brown	dark brown	dark brown

Statistical Table

Organ/Plant Part: Context	'MI 09-07'	'1103 Paulsen'	'140 Ruggeri'
<input type="checkbox"/> mature leaf: Blade length (L1) (mm)			
Mean	94.30	76.30	83.30
Std. Deviation	15.90	13.10	10.70
Lsd/sig	8.51/0.005	P≤0.01	P≤0.01
<input type="checkbox"/> mature leaf: L2 (mm)			
Mean	77.40	62.30	66.00
Std. Deviation	15.90	10.70	8.80
Lsd/sig	7.56/0.006	P≤0.01	P≤0.01
<input type="checkbox"/> mature leaf: R2 (mm)			
Mean	77.50	62.40	65.20
Std. Deviation	13.20	10.30	8.40
Lsd/sig	5.65/0.002	P≤0.01	P≤0.01
<input type="checkbox"/> mature leaf: R3 (mm)			
Mean	62.70	48.00	49.30
Std. Deviation	13.10	7.80	8.20
Lsd/sig	6.22/0.001	P≤0.01	P≤0.01
<input type="checkbox"/> mature leaf: petiole length (P1) (mm)			
Mean	53.90	37.30	43.10
Std. Deviation	13.00	4.90	7.30
Lsd/sig	5.65/0.000	P≤0.01	P≤0.01
<input type="checkbox"/> mature leaf: L3 (mm)			
Mean	62.80	46.70	50.10
Std. Deviation	14.20	7.00	6.50
Lsd/sig	6.22/0.000	P≤0.01	P≤0.01
<input type="checkbox"/> mature leaf: length (L1)/width (W1) (ratio)			
Mean	1.32	1.15	1.13
Std. Deviation	0.21	0.16	0.14
Lsd/sig	0.11/0.01	P≤0.01	P≤0.01
<input type="checkbox"/> mature leaf: width (w1)/petiole length (p1) (ratio)			
Mean	1.40	1.79	1.77
Std. Deviation	0.31	0.23	0.41
Lsd/sig	0.21/0.004	P≤0.01	P≤0.01

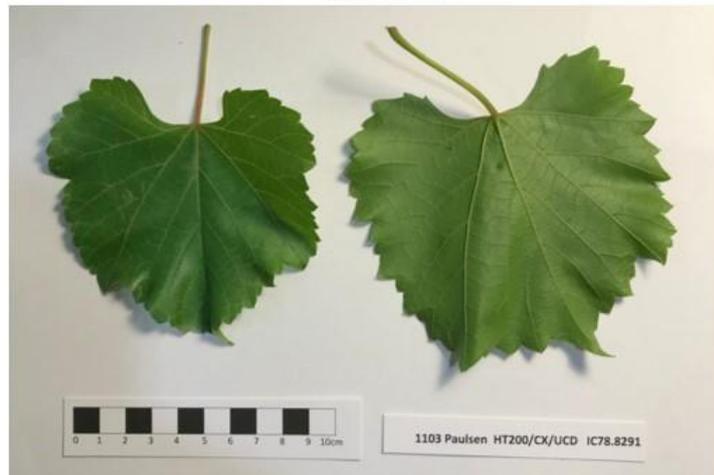
Prior Applications and Sales:

No prior sale or application.

Description: Peter Clingeleffer, CSIRO



'MI 09-07'



'1103 Paulsen'



'140 Ruggeri'

Vitis vinifera (Grape vine) variety 'MI 09-07' 'with comparators '1103 Paulsen' and '140 Ruggeri'

Details of Application

Application Number	2022/193
Variety Name	'MG 60-113'
Genus Species	<i>Vitis</i> hybrid
Common Name	Grape vine
Synonym	Resonant
Accepted Date	09-Dec-2022
Applicant	Commonwealth Scientific and Industrial Research Organisation, Canberra, Australia
Qualified Person	Peter Clingeffer

Details of Comparative Trial

Location	CSIRO Irymple Farm, 447 Dow Avenue, Irymple. Victoria 3498
Descriptor	TG 05/09
Period	2016-2023
Conditions	MG 60-113 (syn. Resonant) was compared with two common knowledge rootstocks known to confer high vigour to the grafted scion (i.e. 'Dogridge' and 'Ramsey'). Other common knowledge high vigour rootstocks (i.e. '1103 Paulsen', '140 Ruggeri' and '775 Paulsen') were grouped out based on flower sex (male). The vines were propagated from dormant cuttings which were collected during winter 2016 and rooted in sand before establishment in standard potting mix in 4.5 L pots in spring 2016. They were maintained in the shade house at the CSIRO Irymple farm site. The vines have been maintained by pruning back to a 2-bud spur when dormant in winter.
Trial Design	The trial included 15 single pot replicate vines of each rootstock established in a fully randomized block design across a number of benches in the shade house.
Measurements	Leaf measurements were recorded 10/01/2018 for vines in the pot trial. The first fully expanded leaf from the shoot tip was selected for this purpose. The 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 and leaf blade widths (W1 distal, W2 proximal) were also recorded. The measurements were used to calculate a number of ratios and analysed using Systat 13.2. Pairwise comparisons were used to identify significant differences between means based on Fisher's Least-Significant-Difference test.

RHS Chart - edition**Origin and Breeding**

Controlled pollination: 'MG 60-113' (syn. Resonant) originated from a cross between *Vitis x champinii* 'Ramsey' and *Vitis cinerea* 'Cinerea Barrett 9'. The controlled intra-specific cross was made in 1967 under the direction of Dr A.J. Antcliff (a former CSIRO employee) at the University of Illinois by Dr. H. C. Barrett (a former CSIRO employee). Seeds from the cross were introduced to Australia in 1967 and germinated at CSIRO's former laboratories at Merbein, in NW Victoria. Seedlings were planted in the experimental vineyard at CSIRO Merbein in 1968, trained to a single wire trellis and maintained using standard viticultural practices until their removal in 2010. Source plantings of 'MG 60-113', propagated vegetatively from dormant cuttings, are now located at the CSIRO Irymple farm

site in NW Victoria. The progeny, from which MG 60-113 was selected, was screened for a range of essential and desirable rootstock characteristics under the direction of Mr. P.R. Clingeffer, who is an employee of CSIRO. Ungrafted material of MG 60-113 displayed high drought tolerance, high chloride exclusion, easy propagation and resistance to root knot nematodes (*Meloidogyne javanica* and *M. incognita*). 'MG 60-113' has been evaluated in comparative rootstock field trials with other high vigour rootstocks grafted with a range of wine grape cultivars at the CSIRO Irymple, Vic. Farm site and in Padthaway, S.A. Vine performance, fruit composition and winemaking data, where appropriate, were collected and analysed from these trials and used to select MG 60-113 as a potential new rootstock for the wine industry. Its performance closely matched the high vigour rootstocks, 1103 Paulsen and 140 Ruggeri. 'MG 60-113' has been selected because of its ease of propagation; its graft compatibility and strong performance with major wine cultivars; its root knot nematode resistance; its ability to exclude chloride from plant tissues, juice and subsequent wine; its ability to promote early fruit maturity and its ability to produce high berry anthocyanin concentrations. Breeder: Commonwealth Scientific and Industrial Research Organisation, Canberra, Australia.

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

Organ/Plant Part Context		State of Expression in Group of Varieties
Fruit	absence/presence	present
Plant	vigour	high
Flower	sexual organs	reflexed stamens and fully developed gynoecium
Mature leaf	number of lobes	three
Berry	shape	globose
Berry	colour of skin (without bloom)	blue black
Berry	formation of seeds	complete

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Ramsey'	Widely grown high vigour rootstock used for wine, dried and table grape production in Australia.
'Dogridge'	High vigour rootstock, not widely adopted in Australia but may used to enhance growth of low vigour scion varieties

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'1103 Paulsen'	fruit absence/presence	present	absent	
'140 Ruggeri'	fruit absence/presence	present	absent	
'775 Paulsen'	fruit absence/presence	present	absent	

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

Organ/Plant Part: Context	'MG 60-113'	'Dogridge'	'Ramsey'
<input type="checkbox"/> *Time of: bud burst	early to medium	medium to late	early to medium
<input checked="" type="checkbox"/> *Young shoot: openness of tip	slightly open	half open	half open
<input checked="" type="checkbox"/> *Young shoot: prostrate hairs on tip	sparse	very dense	very dense

<input type="checkbox"/> *Young shoot: anthocyanin colouration of prostrate hairs on tip	absent or very weak	medium	medium
<input type="checkbox"/> Young shoot: erect hairs on tip	absent or very sparse	absent or very sparse	absent or very sparse
<input checked="" type="checkbox"/> *Young leaf: colour of upper side of blade	dark copper red	yellow green	yellow green
<input checked="" type="checkbox"/> *Young leaf: prostrate hairs between main veins on lower side of blade	absent or very sparse	medium	medium
<input type="checkbox"/> Young leaf: erect hairs on main veins on lower side of blade	absent or very sparse	sparse	sparse
<input type="checkbox"/> Shoot: attitude (before tying)	erect	semi-erect	semi-erect
<input type="checkbox"/> Shoot: colour of dorsal side of internodes	red	red	green and red
<input checked="" type="checkbox"/> *Shoot: colour of ventral side of internodes	red	green	green
<input type="checkbox"/> Shoot: colour of dorsal side of nodes	red	red	red
<input type="checkbox"/> Shoot: colour of ventral side of nodes	green and red	green	green
<input type="checkbox"/> Shoot: erect hairs on internodes	very sparse to sparse	sparse	medium
<input type="checkbox"/> Shoot: length of tendrils	long	long	medium
<input type="checkbox"/> *Flower: sexual organs	reflexed stamens and fully developed gynoecium	reflexed stamens and fully developed gynoecium	reflexed stamens and fully developed gynoecium
<input type="checkbox"/> *Mature leaf: size of blade	small	medium	small to medium
<input type="checkbox"/> *Mature leaf: shape of blade	wedge-shaped	wedge-shaped	pentagonal
<input type="checkbox"/> Mature leaf: blistering of upper side of blade	weak	medium	weak
<input type="checkbox"/> *Mature leaf: number of lobes	three	three	three
<input type="checkbox"/> Mature leaf: depth of upper lateral sinuses	absent or very shallow	absent or very shallow	absent or very shallow
<input type="checkbox"/> Mature leaf: arrangement of lobes of upper lateral sinuses (varieties with lobed leaves only)	open	open	open
<input type="checkbox"/> *Mature leaf: arrangement of lobes of petiole sinus	very wide open	wide open	wide open
<input type="checkbox"/> *Mature leaf: length of teeth	medium	very short to short	short
<input type="checkbox"/> *Mature leaf: ratio length/width of teeth	small	very small	small
<input type="checkbox"/> *Mature leaf: shape of teeth	both sides convex	both sides convex	mixture of both sides straight and both sides convex
<input type="checkbox"/> *Mature leaf: proportion of main veins on upper side of blade with	low	very low to low	absent or very low

anthocyanin colouration

<input type="checkbox"/> Mature leaf: prostrate hairs between main veins on lower side of blade	absent or very sparse	absent or very sparse	sparse
<input type="checkbox"/> *Mature leaf: erect hairs on main veins on lower side of blade	absent or very sparse	sparse	absent or very sparse
<input type="checkbox"/> Mature leaf: length of petiole compared to length of middle vein	moderately shorter	moderately shorter	moderately shorter
<input type="checkbox"/> *Time of: beginning of berry ripening	medium	late	early
<input type="checkbox"/> *Bunch: size (peduncle excluded)	very small	very small	very small
<input type="checkbox"/> *Bunch: density	very lax	lax	dense
<input type="checkbox"/> Bunch: length of peduncle of primary bunch	short	very short	very short
<input checked="" type="checkbox"/> *Berry: size	very small	medium	medium
<input type="checkbox"/> *Berry: shape	globose	globose	globose
<input type="checkbox"/> *Berry: colour of skin (without bloom)	blue black	blue black	blue black
<input type="checkbox"/> Berry: ease of detachment from pedicel	moderately easy	difficult	difficult
<input type="checkbox"/> Berry: thickness of skin	medium	medium	thick
<input checked="" type="checkbox"/> *Berry: anthocyanin colouration of flesh	medium	absent or very weak	medium
<input type="checkbox"/> Berry: firmness of flesh	very firm	moderately firm	very firm
<input checked="" type="checkbox"/> *Berry: particular flavour	herbaceous	none	none
<input type="checkbox"/> *Berry: formation of seeds	complete	complete	complete
<input type="checkbox"/> Woody shoot: main colour	dark brown	dark brown	dark brown

Statistical Table

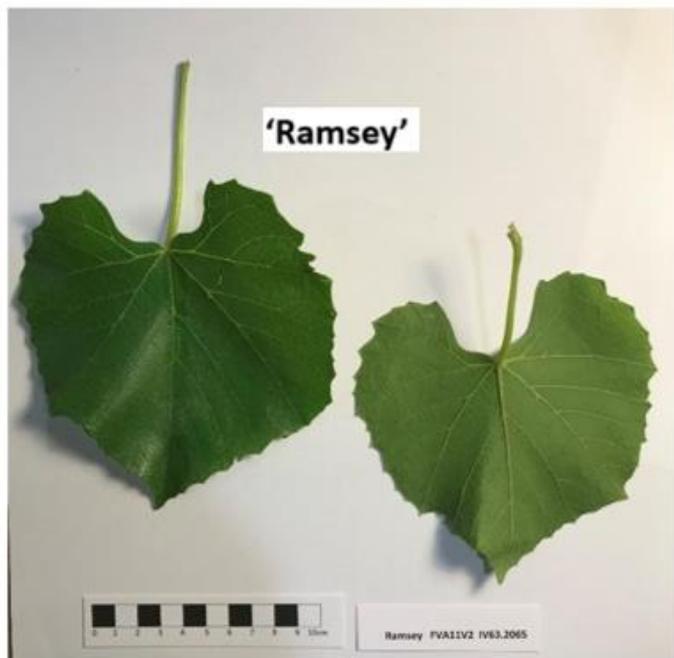
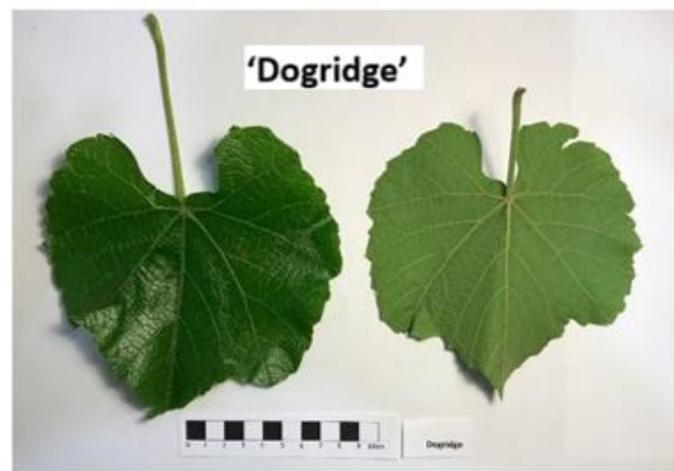
Organ/Plant Part: Context	'MG 60-113'	'Dogridge'	'Ramsey'
<input type="checkbox"/> mature leaf: length (L1) (mm)			
Mean	76.00	94.53	82.70
Std. Deviation	9.58	13.10	11.70
Lsd/sig	7.36/0.000	P≤0.01	ns
<input type="checkbox"/> mature leaf: Width (W1) (mm)			
Mean	58.50	86.27	81.70
Std. Deviation	9.41	9.41	11.40
Lsd/sig	6.56/0.000	P ≤0.01	P ≤0.01
<input type="checkbox"/> mature leaf: Width (W2) (mm)			
Mean	87.50	111.20	98.50
Std. Deviation	15.90	23.65	17.00
Lsd/sig	12.2/0.000	P ≤0.01	ns
<input type="checkbox"/> mature leaf: petiole length (P1) (mm)			
Mean	35.80	54.80	48.30

Std. Deviation	6.65	12.82	8.50
Lsd/sig	6.16/0.000	P ≤0.01	P ≤0.01
<input type="checkbox"/> mature leaf: L1/P1 (ratio)			
Mean	2.17	1.78	1.74
Std. Deviation	0.29	0.32	0.21
Lsd/sig	0.17/0.001	P ≤0.01	P ≤0.01
<input type="checkbox"/> mature leaf: L2/L1 (ratio)			
Mean	0.87	0.78	0.81
Std. Deviation	0.04	0.04	0.04
Lsd/sig	0.027/0.000	P ≤0.01	P ≤0.01
<input type="checkbox"/> mature leaf: R2/L1 (ratio)			
Mean	0.87	0.75	0.81
Std. Deviation	0.07	0.06	0.05
Lsd/sig	0.039/0.000	P ≤0.01	P ≤0.01

Prior Applications and Sales:

No prior sale or application.

Description: Peter Clingeffer, CSIRO



Vitis hybrid (Grape vine) 'MG 60-113' with comparators 'Dogridge' and 'Ramsey'

Details of Application

Application Number	2022/194
Variety Name	'MG 60-114'
Genus Species	<i>Vitis</i> hybrid
Common Name	Grape vine
Synonym	Vibrant
Accepted Date	02-Dec-2022
Applicant	Commonwealth Scientific and Industrial Research Organisation, Canberra, Australia.
Qualified Person	Peter Clingeffer

Details of Comparative Trial

Location	CSIRO Irymple Farm, 447 Dow Avenue, Irymple. Victoria 3498
Descriptor	TG 50/09
Period	2016-2023
Conditions	MG 60-114 (syn. Vibrant) was compared with the two common knowledge rootstock varieties, known to confer high vigour to the grafted scion (i.e. 'Dogridge' and 'Ramsey'). Other common knowledge high vigour rootstocks (i.e. '1103 Paulsen', '140 Ruggeri' and '775 Paulsen') were grouped out based on flower sex (male form). The vines were propagated from dormant cuttings which were collected during winter 2016 and planted in sand to develop roots before establishment in standard potting mix in 4.5 L pots in spring 2016. They were maintained in the shade house at the CSIRO Irymple farm site. The vines have been maintained by pruning back to a 2-bud spur when dormant in winter.
Trial Design	The trial included 15 single pot replicate vines of each rootstock established in a fully randomized block design across a number of benches in the shade house.
Measurements	Leaf measurements were recorded 10/01/2018 for vines in the pot trial. The first fully expanded leaf from the shoot tip was selected for this purpose. Measurements included the 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 and analysed using Systat 13.2. Pairwise comparisons were used to identify significant differences between means based on Fisher's Least-Significant-Difference test.

RHS Chart - edition**Origin and Breeding**

Controlled pollination: 'MG 60-114' (syn. Vibrant) originated from a cross between *Vitis x champinii* 'Ramsey' and *Vitis berlandieri* 'Mazade'. The controlled intra-specific cross was made in 1967 under the direction of Dr A.J. Antcliff (a former CSIRO employee) at the University of Illinois by Dr. H. C. Barrett (a former CSIRO employee). Seeds from the cross were introduced to Australia in 1967 and germinated at CSIRO's former laboratories at Merbein, in NW Victoria. Seedlings were planted in the experimental vineyard at CSIRO Merbein in 1968 and trained to a single wire trellis. The seedling populations were maintained using standard viticultural practices until their removal in 2010. Source plantings of 'MG 60-114', propagated vegetatively from dormant cuttings, are now located at the CSIRO Irymple farm site in NW Victoria. The progeny, from which 'MG 60-114' was selected, was screened for a range of essential and desirable rootstock characteristics under the direction of Mr.

P.R. Clingeleffer. Ungrafted material of 'MG 60-114' displayed high vigour, high drought tolerance, high chloride exclusion, easy propagation and resistance to root knot nematodes (*Meloidogyne javanica* and *M. incognita*). It has been evaluated in comparative field trials with other common knowledge high vigour rootstocks when grafted with a range of wine and dried fruit cultivars at the CSIRO Irymple, Vic. farm site and for wine, in Padthaway, S.A. Vine performance, fruit composition and winemaking data, where appropriate, were collected and analysed for these trials and used to select 'MG 60-114' as a potential new rootstock for both the wine and dried grape industries. 'MG 60-114' has been selected as an alternative to 'Ramsey' rootstock because of its ease of propagation; its graft compatibility and strong performance with major wine and dried fruit cultivars; its root knot nematode resistance; its ability to exclude chloride from plant tissues, juice and subsequent wine; its ability to maintain productivity under sustained deficit irrigation; its drought tolerance and its ability to promote earlier ripening than 'Ramsey', when grown under moderate salt and water stress. Breeder: Commonwealth Scientific and Industrial Research Organisation, Australia.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Fruit	presence or absence	present
Mature leaves	number of lobes	three
Plant	vigour	high
Berry	shape	globose
Berry	colour of skin (without bloom)	blue black
Berry	formation of seeds	complete

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Ramsey'	Widely adopted rootstock in Australia for wine, table and dried fruit production. It confers high vigour to grafted scions.
'Dogridge'	Dogridge confers high vigour to grafted scions. It is not widely grown in Australia but may be used to enhance scion vigour with varieties of low vigour

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'1103 Paulsen'	Fruit presence/absence	present	absent	
'140 Ruggeri'	Fruit presence/absence	present	absent	
'775 Paulsen'	Fruit presence/absence	present	absent	

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

Organ/Plant Part: Context	'MG 60-114'	'Dogridge'	'Ramsey'
<input type="checkbox"/> *Time of: bud burst	medium	medium to late	early to medium
<input checked="" type="checkbox"/> *Young shoot: openness of tip	fully open	half open	half open

<input checked="" type="checkbox"/> *Young shoot: prostrate hairs on tip	sparse	very dense	very dense
<input checked="" type="checkbox"/> *Young shoot: anthocyanin colouration of prostrate hairs on tip	absent or very weak	medium	medium
<input type="checkbox"/> Young shoot: erect hairs on tip	absent or very sparse	absent or very sparse	absent or very sparse
<input checked="" type="checkbox"/> *Young leaf: colour of upper side of blade	wine red	yellow green	yellow green
<input checked="" type="checkbox"/> *Young leaf: prostrate hairs between main veins on lower side of blade	absent or very sparse	medium	medium
<input type="checkbox"/> Young leaf: erect hairs on main veins on lower side of blade	absent or very sparse	sparse	sparse
<input type="checkbox"/> Shoot: attitude (before tying)	erect	semi-erect	semi-erect
<input type="checkbox"/> Shoot: colour of dorsal side of internodes	red	red	green and red
<input checked="" type="checkbox"/> *Shoot: colour of ventral side of internodes	red	green	green
<input type="checkbox"/> Shoot: colour of dorsal side of nodes	red	red	red
<input type="checkbox"/> Shoot: colour of ventral side of nodes	red	green	green
<input type="checkbox"/> Shoot: erect hairs on internodes	absent or very sparse	sparse	medium
<input type="checkbox"/> Shoot: length of tendrils	very long	long	medium
<input checked="" type="checkbox"/> *Flower: sexual organs	fully developed stamens and fully developed gynoecium	reflexed stamens and fully developed gynoecium	reflexed stamens and fully developed gynoecium
<input type="checkbox"/> *Mature leaf: size of blade	large	medium	small to medium
<input type="checkbox"/> *Mature leaf: shape of blade	pentagonal	wedge-shaped	pentagonal
<input type="checkbox"/> Mature leaf: blistering of upper side of blade	weak to medium	medium	weak
<input type="checkbox"/> *Mature leaf: number of lobes	three	three	three
<input type="checkbox"/> Mature leaf: depth of upper lateral sinuses	absent or very shallow	absent or very shallow	absent or very shallow
<input type="checkbox"/> Mature leaf: arrangement of lobes of upper lateral sinuses (varieties with lobed leaves only)	open	open	open
<input type="checkbox"/> *Mature leaf: arrangement of lobes of petiole sinus	wide open	wide open	wide open
<input type="checkbox"/> *Mature leaf: length of teeth	short	very short to short	short
<input type="checkbox"/> *Mature leaf: ratio length/width of teeth	small	very small	small
<input type="checkbox"/> *Mature leaf: shape of teeth	mixture of both sides straight and both sides convex	both sides convex	mixture of both sides straight and both sides convex

<input type="checkbox"/> *Mature leaf: proportion of main veins on upper side of blade with anthocyanin colouration	absent or very low	very low to low	absent or very low
<input type="checkbox"/> Mature leaf: prostrate hairs between main veins on lower side of blade	absent or very sparse	absent or very sparse	sparse
<input type="checkbox"/> *Mature leaf: erect hairs on main veins on lower side of blade	absent or very sparse	sparse	absent or very sparse
<input type="checkbox"/> Mature leaf: length of petiole compared to length of middle vein	equal	moderately shorter	moderately shorter
<input type="checkbox"/> *Time of: beginning of berry ripening	late	late	early
<input type="checkbox"/> *Bunch: size (peduncle excluded)	very small	very small	very small
<input type="checkbox"/> *Bunch: density	very lax	lax	dense
<input type="checkbox"/> Bunch: length of peduncle of primary bunch	short	very short	very short
<input type="checkbox"/> *Berry: size	medium	medium	medium
<input type="checkbox"/> *Berry: shape	globose	globose	globose
<input type="checkbox"/> *Berry: colour of skin (without bloom)	blue black	blue black	blue black
<input type="checkbox"/> Berry: ease of detachment from pedicel	moderately easy	difficult	difficult
<input type="checkbox"/> Berry: thickness of skin	medium	medium	thick
<input checked="" type="checkbox"/> *Berry: anthocyanin colouration of flesh	weak	absent or very weak	medium
<input type="checkbox"/> Berry: firmness of flesh	very firm	moderately firm	very firm
<input checked="" type="checkbox"/> *Berry: particular flavour	herbaceous	none	none
<input type="checkbox"/> *Berry: formation of seeds	complete	complete	complete
<input type="checkbox"/> Woody shoot: main colour	reddish brown	dark brown	dark brown

Statistical Table

Organ/Plant Part: Context	'MG 60-114'	'Dogridge'	'Ramsey'
<input type="checkbox"/> mature leaf: R2/L1 (ratio)			
Mean	0.82	0.75	0.81
Std. Deviation	0.06	0.06	0.05
Lsd/sig	0.034/0.006	P≤0.01	ns
<input type="checkbox"/> mature leaf: L2/L3 (ratio)			
Mean	1.39	1.21	1.29
Std. Deviation	0.14	0.07	0.06
Lsd/sig	0.061/0.000	P ≤0.01	P ≤0.01
<input type="checkbox"/> mature leaf: R2/R3 (ratio)			
Mean	1.34	1.17	1.28
Std. Deviation	0.10	0.10	0.07
Lsd/sig	0.055/0.000	P ≤0.01	P ≤0.01

<input type="checkbox"/> mature leaf: L2/L1 (ratio)			
Mean	0.85	0.78	0.81
Std. Deviation	0.08	0.04	0.04
Lsd/sig	0.034/0.003	P ≤0.01	P ≤0.01
<input type="checkbox"/> mature leaf: length (R3) (mm)			
Mean	55.00	61.10	52.50
Std. Deviation	9.20	8.03	6.80
Lsd/sig	2.26/ 0.023	P ≤0.01	ns
<input type="checkbox"/> mature leaf: length (L2) (mm)			
Mean	76.40	73.20	66.50
Std. Deviation	12.70	9.77	9.16
Lsd/sig	4.59/0.052	ns	P ≤0.01

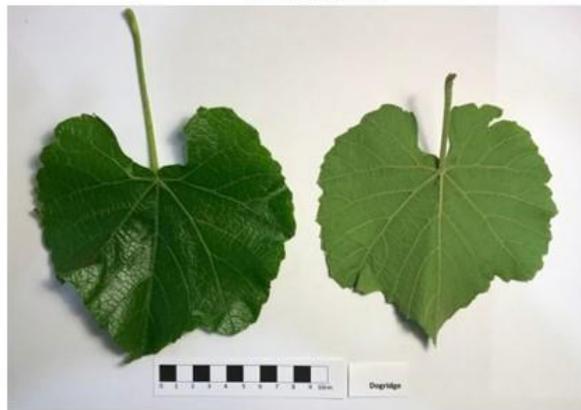
Prior Applications and Sales:

No prior sale or application.

Description: Peter Clingeleffer, CSIRO



'MG-60-114'



'Dogridge'



'Ramsey'

Vitis hybrid (Grape vine) 'MG 60-114' with comparators 'Dogridge' and 'Ramsey'

Details of Application

Application Number	2022/234
Variety Name	'Virginia'
Genus Species	<i>Solanum tuberosum</i>
Common Name	Potato
Accepted Date	04-Jan-2023
Applicant	Bohm-Nordkartoffel Agrarproduktion GmbH & Co. OHG, SA, Germany.
Agent	Dowling Agritech, Mt Gambier East, SA.
Qualified Person	John Fennell

Details of Comparative Trial

Location	Waikerie SA
Descriptor	Potato (<i>Solanum tuberosum</i>) TG/23/6
Period	September 2024 to March 2025
Conditions	Plantlets ex quarantine raised from tissue cultures and planted into potting mix in 200mm diameter plastic pots on 19 September 2024. Pots placed on benches in a screened polythene clad greenhouse
Trial Design	Sixty plants of the candidate and comparator varieties were planted and placed next to each other for direct visual comparison.
Measurements	Observations of foliage and flowers, where present, were taken on 8 November 2024. Tubers were harvested between 10 December and 13 December 2024 and placed in cool store on 20 December 2024. Tubers were recorded on 4 February 2025. Tubers were then placed under illumination and the recording of light sprouts commenced on 22 March 2025.

Origin and Breeding

Controlled pollination: The breeding line 'RJ04/391/2' was pollinated by the variety 'Challenger' in the Bohm-Nordkartoffel Agrarproduktion GmbH & Co. OHG Potato Breeding Program at Vierhuizen, The Netherlands in 2008. Subsequently selection trials occurred at multiple sites with the main selection criteria being marketable yield, maturity time, tuber appearance, disease resistances, processing quality and storability. Breeding line 'M09/339/686' was selected and released as 'Virginia' in 2019. Breeder: Bohm-Nordkartoffel Agrarproduktion GmbH & Co. OHG, SA, Germany.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Tuber	shape	long oval
Tuber	skin colour	yellow
Tuber	flesh colour	light yellow

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Etana'	

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Bettina'	lightsprout pubescence of	weak	medium to strong	

	base		
'Finessa' Plant	frequency of flowers	medium	high

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

Organ/Plant Part: Context	'Virginia'	'Etana'
<input type="checkbox"/> Lightsprout: size	medium to large	medium
<input checked="" type="checkbox"/> *Lightsprout: shape	ovoid	broad cylindrical
<input type="checkbox"/> *Lightsprout: intensity of anthocyanin colouration	medium to strong	medium to strong
<input type="checkbox"/> *Lightsprout: proportion of blue in anthocyanin colouration of base	absent or low	absent or low
<input type="checkbox"/> *Lightsprout: pubescence of base	weak	medium
<input type="checkbox"/> Lightsprout: size of tip in relation to base	small to medium	medium
<input type="checkbox"/> Lightsprout: habit of tip	intermediate	intermediate
<input type="checkbox"/> Lightsprout: anthocyanin colouration of tip	weak	weak
<input type="checkbox"/> Lightsprout: pubescence of tip	weak to medium	weak
<input type="checkbox"/> *Lightsprout: number of root tips	few to medium	many
<input type="checkbox"/> Lightsprout: length of lateral shoots	very short to short	very short to short
<input type="checkbox"/> Plant: foliage structure	stem type	intermediate type
<input type="checkbox"/> *Plant: growth habit	upright to semi-upright	semi-upright
<input type="checkbox"/> *Stem: anthocyanin colouration	weak	very weak to weak
<input checked="" type="checkbox"/> Leaf: outline size	very large	medium
<input checked="" type="checkbox"/> Leaf: openness	closed to intermediate	open
<input type="checkbox"/> Leaf: presence of secondary leaflets	medium	medium
<input type="checkbox"/> Leaf: green colour	medium	medium
<input type="checkbox"/> Leaf: anthocyanin colouration on midrib of upper side	very weak to weak	absent or very weak
<input type="checkbox"/> Second pair of lateral leaflets: size	medium to large	medium
<input checked="" type="checkbox"/> Second pair of lateral leaflets: width in relation to length	medium	narrow
<input checked="" type="checkbox"/> Terminal and lateral leaflets: frequency of coalescence	high	very low to low
<input type="checkbox"/> Leaflet: waviness of margin	weak to medium	very weak to weak
<input checked="" type="checkbox"/> Leaflet: depth of veins	deep	medium
<input type="checkbox"/> Leaflet: glossiness of the upperside	medium	medium
<input type="checkbox"/> Flower bud: anthocyanin colouration	medium	weak
<input checked="" type="checkbox"/> Plant: height	tall	medium
<input type="checkbox"/> *Plant: frequency of flowers	high	high
<input type="checkbox"/> Inflorescence: size	medium to large	large

<input type="checkbox"/> Inflorescence: anthocyanin colouration on peduncle	weak	weak
<input type="checkbox"/> Flower corolla: size	medium	medium to large
<input type="checkbox"/> *Flower corolla: intensity of anthocyanin colouration on inner side	absent or very weak	medium to strong
<input type="checkbox"/> *Flower corolla: proportion of blue in anthocyanin colouration on inner side	absent or low	absent or low
<input type="checkbox"/> *Flower corolla: extent of anthocyanin colouration on inner side	absent or very small	large
<input type="checkbox"/> *Plant: time of maturity	medium to late	medium to late
<input type="checkbox"/> *Tuber: shape	long-oval	long-oval
<input checked="" type="checkbox"/> Tuber: depth of eyes	medium	very shallow to shallow
<input type="checkbox"/> *Tuber: colour of skin	yellow	yellow
<input type="checkbox"/> *Tuber: colour of base of eye	yellow	yellow
<input type="checkbox"/> *Tuber: colour of flesh	light yellow	light yellow

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Virginia'	'Etana'
<input checked="" type="checkbox"/> Tuber: skin smoothness	smooth	rough
<input checked="" type="checkbox"/> stem: wings	medium	small
<input type="checkbox"/> stem: thickness	medium	medium

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2020	Granted	Virginia
GB	2020	Granted	Virginia

First sold in Germany March 2019.

Description: John Fennell, Littlehampton, SA.



Potato (*Solanum tuberosum*) variety 'Virginia'

Details of Application

Application Number	2022/303
Variety Name	'MIKADO'
Genus Species	<i>Solanum tuberosum</i>
Common Name	Potato
Accepted Date	14-Feb-2023
Applicant	Danespo A/S, Dyrskuevej, Denmark.
Agent	Mitolo Group Pty Ltd, Virginia, SA.
Qualified Person	John Fennell

Details of Comparative Trial

Location	Waikerie SA
Descriptor	Potato (<i>Solanum tuberosum</i>) TG/23/6
Period	September 2024 to March 2025
Conditions	Plantlets ex quarantine raised from tissue cultures and planted into potting mix in 200mm diameter plastic pots on 19 September 2024. Pots placed on benches in a screened polythene clad greenhouse
Trial Design	Sixty plants of the candidate and comparator varieties were planted and placed next to each other for direct visual comparison.
Measurements	Observations of foliage and flowers, where present, were taken on 8 November 2024. Tubers were harvested between 10 December and 13 December 2024 and placed in cool store on 20 December 2024. Tubers were recorded on 4 February 2025. Tubers were then placed under illumination and the recording of light sprouts commenced on 22 March 2025.

RHS Chart - edition**Origin and Breeding**

Controlled pollination: The variety 'Merida' was pollinated by breeding line '96-BYM-8' in the Danespo Potato Breeding Program in Denmark in 2007. Subsequently selection trials occurred at multiple sites with the main selection criteria being marketable yield, maturity time, tuber appearance, disease resistances, cooking quality and storability. Breeding line '09-MIK-2' was selected and released as 'Mikado' in 2019. Breeder: Danespo A/S, Dyrskuevej, Denmark.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Lightsprout	shape	ovoid
Flower	colour	white
Tuber	shape	oval
Tuber	skin colour	yellow
Tuber	flesh colour	medium yellow

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Cardinia'	

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Savanna'	Tuber	flesh colour	Medium yellow	cream

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

Organ/Plant Part: Context	'MIKADO'	'Cardinia'
<input type="checkbox"/> Lightsprout: size	medium to large	medium to large
<input type="checkbox"/> *Lightsprout: shape	ovoid	ovoid
<input type="checkbox"/> *Lightsprout: intensity of anthocyanin colouration	medium	medium to strong
<input checked="" type="checkbox"/> *Lightsprout: proportion of blue in anthocyanin colouration of base	medium	absent or low
<input type="checkbox"/> *Lightsprout: pubescence of base	medium	medium
<input type="checkbox"/> Lightsprout: size of tip in relation to base	medium	large
<input type="checkbox"/> Lightsprout: habit of tip	intermediate to open	open
<input type="checkbox"/> Lightsprout: anthocyanin colouration of tip	medium	medium
<input checked="" type="checkbox"/> Lightsprout: pubescence of tip	weak to medium	medium to strong
<input type="checkbox"/> *Lightsprout: number of root tips	many	few to medium
<input type="checkbox"/> Lightsprout: length of lateral shoots	short to medium	very short to short
<input checked="" type="checkbox"/> Plant: foliage structure	leaf type	stem type
<input type="checkbox"/> *Plant: growth habit	semi-upright to spreading	semi-upright
<input type="checkbox"/> *Stem: anthocyanin colouration	absent or very weak	absent or very weak
<input type="checkbox"/> Leaf: outline size	medium to large	medium to large
<input type="checkbox"/> Leaf: openness	intermediate	intermediate to open
<input type="checkbox"/> Leaf: presence of secondary leaflets	medium	weak
<input checked="" type="checkbox"/> Leaf: green colour	light to medium	medium to dark
<input type="checkbox"/> Leaf: anthocyanin colouration on midrib of upper side	absent or very weak	absent or very weak
<input type="checkbox"/> Second pair of lateral leaflets: size	medium	medium
<input checked="" type="checkbox"/> Second pair of lateral leaflets: width in relation to length	narrow	medium
<input checked="" type="checkbox"/> Terminal and lateral leaflets: frequency of coalescence	very low to low	very high
<input type="checkbox"/> Leaflet: waviness of margin	weak to medium	weak
<input type="checkbox"/> Leaflet: depth of veins	medium to deep	medium
<input checked="" type="checkbox"/> Leaflet: glossiness of the upperside	dull	medium to glossy
<input type="checkbox"/> Flower bud: anthocyanin colouration	weak	weak
<input type="checkbox"/> Plant: height	tall	tall
<input type="checkbox"/> *Plant: frequency of flowers	low	medium
<input type="checkbox"/> Inflorescence: size	small	medium
<input type="checkbox"/> Inflorescence: anthocyanin colouration on peduncle	very weak to weak	very weak to weak

<input type="checkbox"/> Flower corolla: size	small to medium	small to medium
<input type="checkbox"/> *Flower corolla: intensity of anthocyanin colouration on inner side	absent or very weak	absent or very weak
<input type="checkbox"/> *Flower corolla: proportion of blue in anthocyanin colouration on inner side	absent or low	absent or low
<input type="checkbox"/> *Flower corolla: extent of anthocyanin colouration on inner side	absent or very small	absent or very small
<input type="checkbox"/> *Plant: time of maturity	very early	early
<input type="checkbox"/> *Tuber: shape	oval	oval
<input type="checkbox"/> Tuber: depth of eyes	shallow	shallow
<input type="checkbox"/> *Tuber: colour of skin	yellow	yellow
<input type="checkbox"/> *Tuber: colour of base of eye	yellow	yellow
<input type="checkbox"/> *Tuber: colour of flesh	medium yellow	medium yellow
<input type="checkbox"/> Tuber: anthocyanin colouration of skin in reaction to light (light beige and yellow skinned varieties only)	absent or very weak	very weak to weak

Characteristics Additional to the Descriptor/TG

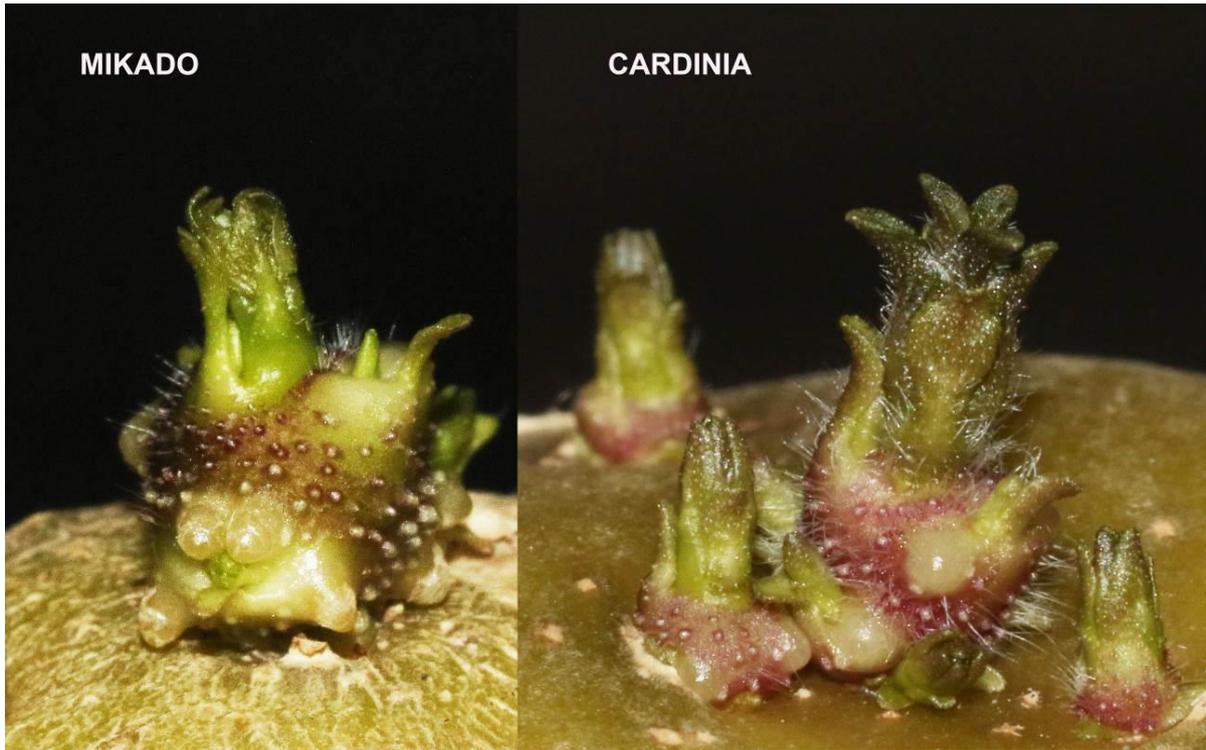
Organ/Plant Part: Context	'MIKADO'	'Cardinia'
<input type="checkbox"/> Tuber: skin smoothness	smooth	smooth
<input type="checkbox"/> stem: thickness	medium	medium

Prior Applications and Sales:

Country	Year	Status	Name Applied
NL	2015	Granted	'MIKADO'

First sold in The Netherlands Nov: 2019

Description: John Fennell, Littlehampton, SA.



Potato (*Solanum tuberosum*) variety 'MIKADO'

Details of Application

Application Number	2023/050
Variety Name	'JF902-13'
Genus Species	<i>Salvia splendens</i> × <i>S. guarantica</i>
Common Name	Sage
Accepted Date	26-Apr-2023
Applicant	Plant Growers Australia Pty Ltd, Wonga Park, VIC
Qualified Person	Jordan Smark

Details of Comparative Trial

Location	Wonga Park, VIC
Descriptor	TG/316/1 (<i>Salvia</i>)
Period	November 2023 to May 2024
Conditions	Trial conducted in the open, plants propagated as cuttings November 2023 and transferred to 140mm pots in February 2024. Pots were filled with soilless, pine bark based mix with controlled release fertilisers. Appropriate pest and disease treatments were applied as required.
Trial Design	Fifteen pots of each variety in a completely randomised design.
Measurements	From ten plants randomly selected.
RHS Chart - edition	Fifth Edition

Origin and Breeding

Cross pollination: Cross pollination occurred with the maternal parent *Salvia* '25' and paternal parent 'Black and Blue' during the summer of 2018, as part of an ongoing *Salvia* breeding program to produce a selection with short plant height, corolla tube colour purple, and dark purple/black calyx. Seed was sown in September 2018 and seedlings raised to maturity in February 2019. At this time the initial selections were made based upon the breeding criteria above. The plant was grown on for a further six months to evaluate mature plant performance. In September 2020 a final selection was made on the breeding criteria above. Several cutting generations have all remained uniform and stable. Breeder: Plant Growers Australia Pty Ltd, Wonga Park, VIC

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Lower lip	distribution of secondary colour of inner side	central zone
Leaf blade	position of broadest part	strongly towards base
Leaf blade	shape of apex	acute
Leaf blade	variegation	absent
Inflorescence	number of florets per node	many
Inflorescence	number of lateral branches	absent or very few
Calyx	length	medium
Upper lip	main colour of outer side	Violet
Corolla tube	main colour of outer side	Violet
Lower lip	main colour of inner side	Violet

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Amistad'	
'Purple and Bloom'	

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Black and Bloom'	Lower lip	main colour of inner side purple	blue	

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

Organ/Plant Part: Context	'JF902-13'	'Amistad'	'Purple and Bloom'
<input type="checkbox"/> *Plant: growth habit	semi-upright	upright	upright
<input checked="" type="checkbox"/> Plant: height	short to medium	medium to tall	medium to tall
<input type="checkbox"/> Plant: width	medium	narrow to medium	medium
<input checked="" type="checkbox"/> Plant: density of shoots	dense	sparse to medium	medium to dense
<input checked="" type="checkbox"/> Stem: pubescence	absent or very sparse	medium	sparse
<input type="checkbox"/> Leaf: type	simple	simple	simple
<input checked="" type="checkbox"/> Petiole: length	medium	medium	long
<input checked="" type="checkbox"/> Leaf blade: length	medium	medium	long
<input checked="" type="checkbox"/> Leaf blade: width	medium	medium	broad
<input type="checkbox"/> Leaf blade: ratio length/width	low	low	low
<input type="checkbox"/> Leaf blade: position of broadest part	strongly towards base	strongly towards base	strongly towards base
<input type="checkbox"/> Leaf blade: shape of base	truncate	truncate	cordate
<input type="checkbox"/> Leaf blade: shape of apex	acute	acute	acute
<input type="checkbox"/> *Leaf blade: variegation	absent	absent	absent
<input type="checkbox"/> Leaf blade: main color	light green	yellow green	medium green
<input type="checkbox"/> Leaf blade: pubescence	absent or very sparse	sparse	sparse
<input type="checkbox"/> Leaf blade: rugosity	strong	medium	very strong
<input type="checkbox"/> *Leaf blade: incisions of margin	medium	medium	medium
<input checked="" type="checkbox"/> Leaf blade: undulation of margin	absent or weak	strong	medium
<input type="checkbox"/> *Inflorescence: length	short to medium	medium	medium
<input checked="" type="checkbox"/> Inflorescence: length of internode	short	medium to long	long
<input type="checkbox"/> *Inflorescence: number of florets per node	many	many	many
<input type="checkbox"/> Inflorescence: number of lateral branches	absent or very few	absent or very few	absent or very few

<input type="checkbox"/>	Inflorescence: attitude of tip	erect	erect	semi-erect
<input checked="" type="checkbox"/>	Bract: persistence	strong	absent or very weak	weak
<input type="checkbox"/>	Bract: length	medium	medium	medium
<input checked="" type="checkbox"/>	Bract: main colour of outer side (RHS colour chart)	79A	86A	83A
<input type="checkbox"/>	*Calyx: length	medium	medium	medium
<input checked="" type="checkbox"/>	*Calyx: main colour of outer side (RHS colour chart)	N186A	N187A	N187A
<input type="checkbox"/>	Calyx: pubescence on outer side	absent or very sparse	absent or very sparse	absent or very sparse
<input type="checkbox"/>	*Corolla tube: length	medium to long	long	medium to long
<input type="checkbox"/>	*Corolla tube: main colour of outer side (RHS colour chart)	86 A+B	86A	86A
<input type="checkbox"/>	*Upper lip: main colour of outer side (RHS colour chart)	86A	86A	86A
<input type="checkbox"/>	Upper lip: pubescence on outer side	medium	medium	medium
<input checked="" type="checkbox"/>	*Lower lip: width	medium	narrow	narrow to medium
<input type="checkbox"/>	Lower lip: attitude relative to corolla tube	moderately downwards	moderately downwards	moderately downwards
<input type="checkbox"/>	*Lower lip: main colour of inner side (RHS colour chart)	86A	86A	86A
<input type="checkbox"/>	*Lower lip: distribution of secondary colour of inner side	central zone	central zone	central zone
<input type="checkbox"/>	Lower lip: undulation of margin	absent or weak	absent or weak	absent or weak

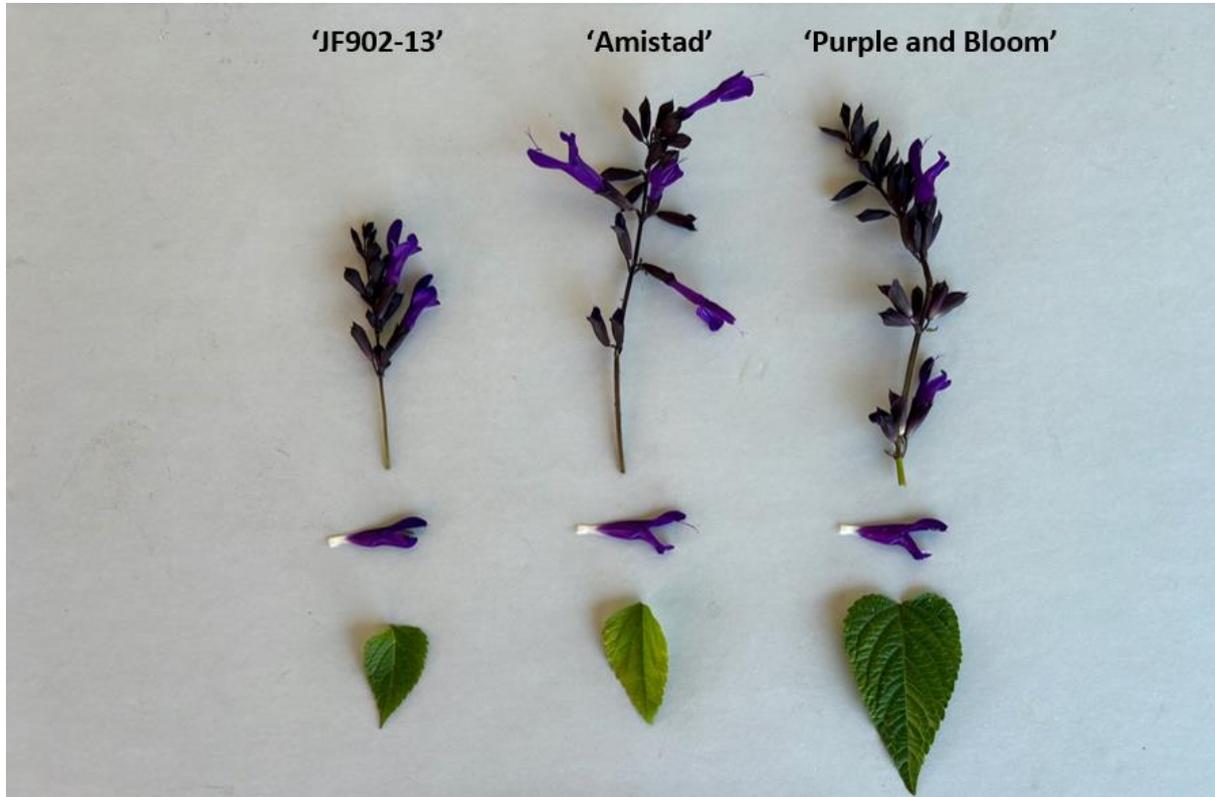
Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'JF902-13'	'Amistad'	'Purple and Bloom'	
<input checked="" type="checkbox"/>	Leaf blade: glossiness of upper side	weak	weak	medium
<input checked="" type="checkbox"/>	Peduncle: total length	short to medium	medium to long	long
<input checked="" type="checkbox"/>	Peduncle: anthocyanin colouration	strong	very strong	very strong
<input checked="" type="checkbox"/>	Bract: width	medium	narrow	medium
<input type="checkbox"/>	Corolla: height	medium	medium	medium
<input type="checkbox"/>	Corolla: length	medium to long	long	medium to long
<input checked="" type="checkbox"/>	Lower lip: reflexing of margin	medium to strong	very strong	strong
<input type="checkbox"/>	Corolla tube: main colour of outer side	Violet	Violet	Violet
<input type="checkbox"/>	Upper lip: main colour of outer side	Violet	Violet	Violet
<input type="checkbox"/>	Lower lip: main colour of inner side	Violet	Violet	Violet
<input checked="" type="checkbox"/>	Stem: stem anthocyanin colouration	weak	medium to strong	weak to medium

Prior Applications: Nil

First sold in Australia in March 2022

Description: Jordan Smark, Wonga Park, VIC



Salvia splendens × *S. guarantica* (Sage) variety 'JF902-13' with comparators 'Amistad' and 'Purple and Bloom'

Details of Application

Application Number	2023/074
Variety Name	'DrisRaspEighteen'
Genus Species	<i>Rubus idaeus</i>
Common Name	Raspberry
Accepted Date	25-May-2023
Applicant	Driscoll's Inc., Watsonville, California, USA
Agent	AJ Park, Sydney, NSW
Qualified Person	Bryan Nemire

Details of Comparative Trial

Overseas Testing Authority	USPTO
Overseas Data Reference Number	PP33,723
Location	520 Evandale Road, Evandale, TAS
Descriptor	Raspberry Rubus TG/43/7
Period	September 2023- March 2024
Conditions	Asexually Propagated material of 'DrisRaspEighteen' was produced and then grown under a protected cropping program, under tunnels, in substrate, employing standard good Raspberry fruit production growing practises.
Trial Design	Plants of variety 'DrisRaspEighteen' were grown in a randomised block design with comparators 'DrisRaspTwentyTwo' and 'Driscoll Maravilla'.
Measurements	Measurements were taken after 6 months of growing, off randomly selected plants within the plots
RHS Chart - edition	n/a

Origin and Breeding

Controlled Pollination: Raspberry plant variety 'DrisRaspEighteen' was discovered in Santa Cruz County, California in July of 2015 and originated from a cross between the female parent 'DrisRaspTwelve' and the male parent 'DrisRaspThirteen'. The original seedling of the new variety was first asexually propagated in Santa Cruz County California via root cuttings in October 2015. 'DrisRaspEighteen' was subsequently asexually propagated via root cuttings and has undergone testing in Santa Cruz County, California for five years prior to being transferred to Australia. This variety has been found to be stable and reproduce true to type through successive asexual propagations via root cutting and tissue culture. Breeder's: Matthias D. Vitten; Lluvia V. Gutierrez; Kyle Rak; Luis Miguel Rodriguez; James Heilig (Driscoll's, Inc; 345 Westridge Drive, Watsonville, California, USA).

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

Variety of Common Knowledge

Organ/Plant Part	Context	State of Expression in Group of Varieties
Spines	presence	present
Fruit	main bearing type	both previous year's cane in summer & current year's cane in autumn
Plant	habit	semi-upright
Spines	colour	purple

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

'Driscoll Maravilla'

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

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

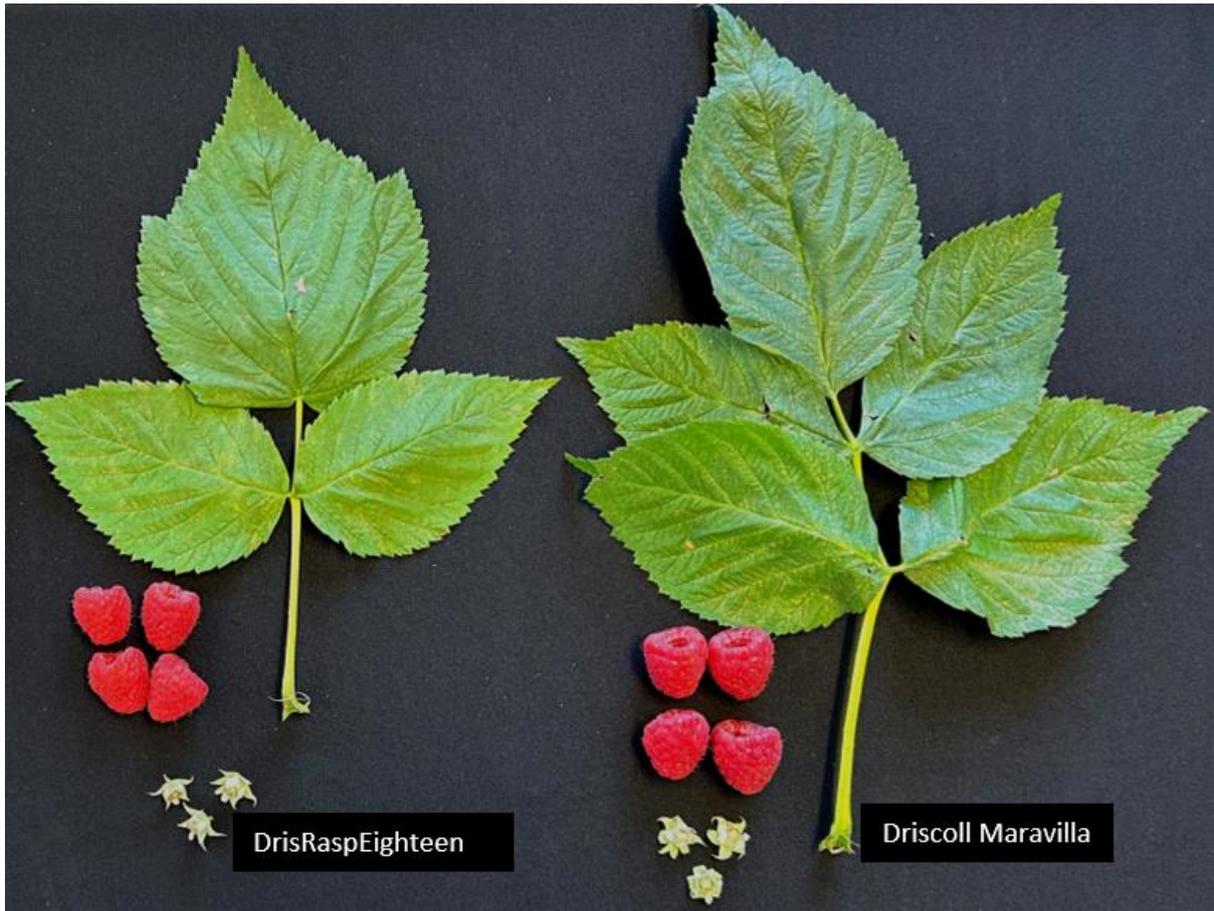
<input type="checkbox"/> Flower: size	medium	small to medium
<input type="checkbox"/> *Fruit: length	medium	long
<input type="checkbox"/> *Fruit: width	medium	broad
<input type="checkbox"/> *Fruit: ratio length/width	medium	medium
<input type="checkbox"/> *Fruit: general shape in lateral view	conical	broad conical
<input type="checkbox"/> Fruit: size of single drupe	small to medium	large
<input checked="" type="checkbox"/> *Fruit: colour	light red	medium red
<input type="checkbox"/> *Fruit: firmness	firm	firm
<input checked="" type="checkbox"/> Fruit: adherence to plug	weak	medium
<input type="checkbox"/> *Fruit: main bearing type	both previous year's cane in summer & current year's cane in autumn	both previous year's cane in summer & current year's cane in autumn
<input type="checkbox"/> *Time of: cane emergence (varieties which fruit on current year's cane in autumn)	medium	early
<input type="checkbox"/> *Time of: beginning of flowering on current season's cane (varieties which fruit on current year's cane in autumn)	medium	early to medium
<input checked="" type="checkbox"/> *Time of: beginning of fruit ripening on current year's cane (varieties which fruit on current year's cane in autumn)	early to medium	late
<input type="checkbox"/> Length of: fruiting period on current year's cane (varieties which fruit on current year's cane in autumn)	short to medium	long

Prior Applications and Sales:

Country	Year	Status	Name Applied
Canada	2021	Granted	'DrisRaspEighteen'
China	2022	Applied	'DrisRaspEighteen'
EU	2020	Applied	'DrisRaspEighteen'
Mexico	2021	Granted	'DrisRaspEighteen'
UK	2021	Applied	'DrisRaspEighteen'
Ukraine	2021	Granted	'DrisRaspEighteen'
USA	2020	Granted	'DrisRaspEighteen'

Prior sales: Nil

Description: Bryan Nemire, North Boambee Valley, NSW.



Raspberry (*Rubus idaeus*) variety 'DrisRaspEighteen' with comparator 'Driscoll Maravilla'

Details of Application

Application Number	2023/076
Variety Name	'DrisBlueTwentyFour'
Genus Species	<i>Vaccinium corymbosum</i>
Common Name	Blueberry
Accepted Date	25-May-2023
Applicant	Driscoll's Inc. 345 Westridge Drive, Watsonville, California, USA
Agent	AJ Park, Sydney, NSW
Qualified Person	Bryan Nemire

Details of Comparative Trial

Overseas Testing Authority	USPTO
Overseas Data Reference Number	PP34,067
Location	520 Evandale Road, Evandale, TAS
Descriptor	UPOV/TG/137/5
Period	June 2022 to January 2025
Conditions	Grown in substrate under bird net using standard blueberry growing practices
Trial Design	Randomised block design used to verify United States published description
Measurements	Taken from randomly selected plants in accordance with UPOV terminology and guidelines
RHS Chart - edition	5th Edition

Origin and Breeding

Controlled pollination: Blueberry plant variety 'DrisBlueTwentyFour' was discovered in Santa Cruz County, California, in September of 2006 and originated from a cross between the proprietary female parent blueberry plant '136D 2' (unpatented) and the proprietary male parent blueberry plant '8B 4' (unpatented). The original seeding of the new variety was first asexually propagated via softwood cuttings in Monterey County, California, in July of 2007. 'DrisBlueTwentyFour' was subsequently asexually propagated via softwood cuttings and tissue culture and underwent further testing in Linn County, Oreg. for eight years (2011 to 2019). The present blueberry variety has been found to be stable and reproduce true to type through successive asexual propagations via softwood cuttings and tissue culture. Breeder's: Brian K. Caster; Jennifer K. Izzo; Bruce D. Mowrey; Marta C. Baptista, Driscoll's Inc., California, USA.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	growth habit	semi-upright
Leaf	margin	entire
Plant	fruiting type	on one-year-old shoots only
One-year-old shoot	time to beginning of fruit ripening	early to medium
One-year-old shoot	colour	greenish red

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'DrisBlueFourteen'	

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

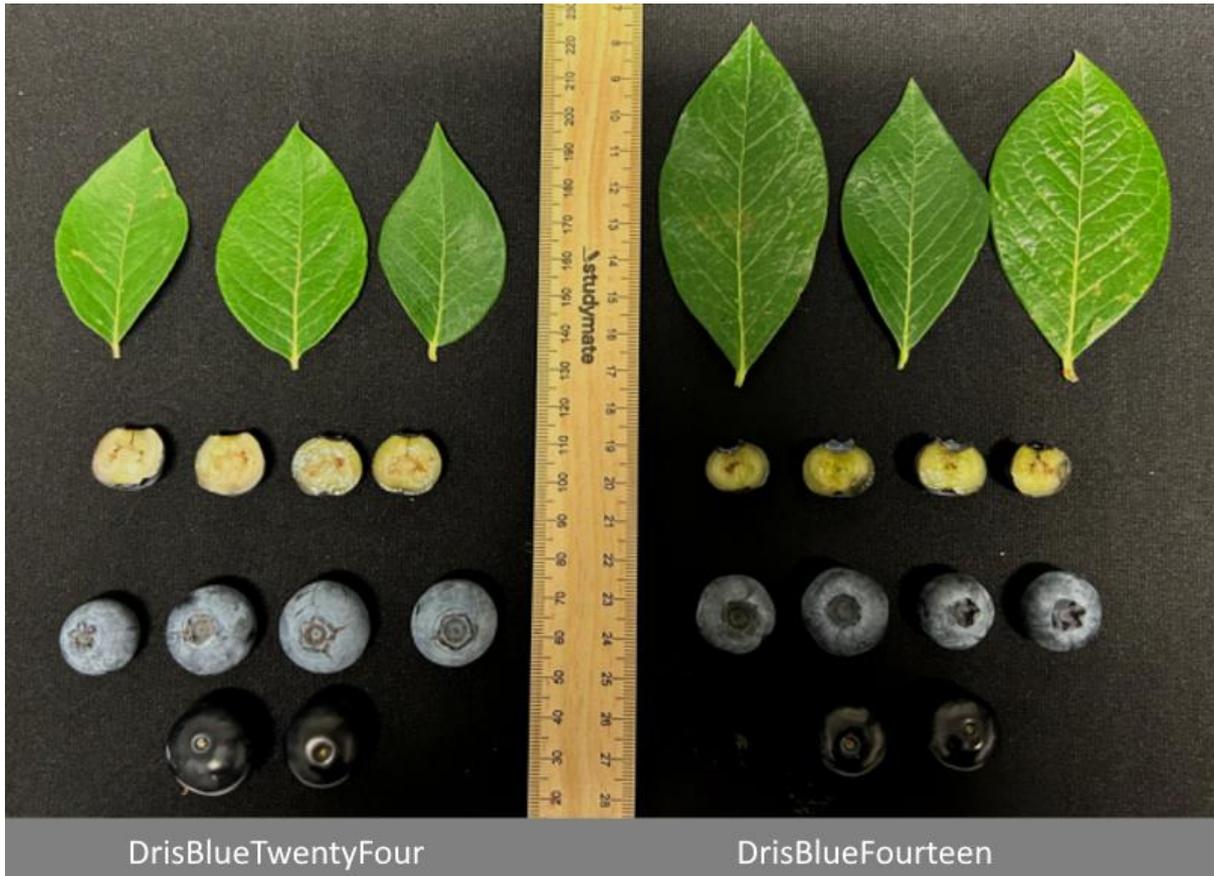
Organ/Plant Part: Context	'DrisBlueTwentyFour'	'DrisBlueFourteen'
<input type="checkbox"/> Plant: vigour	medium	strong
<input type="checkbox"/> Plant: growth habit	semi-upright	semi-upright
<input type="checkbox"/> One-year-old shoot: colour	greenish red	greenish red
<input type="checkbox"/> One-year-old shoot: length of internode	short to medium	medium
<input checked="" type="checkbox"/> Leaf: length	short to medium	medium to long
<input type="checkbox"/> Leaf: width	medium	medium to broad
<input type="checkbox"/> Leaf: ratio length/width	medium	medium
<input type="checkbox"/> Leaf: shape	ovate	elliptic
<input type="checkbox"/> Leaf: colour of upper side	light green	medium green
<input type="checkbox"/> Leaf: margin	entire	entire
<input checked="" type="checkbox"/> Leaf: glaucosity on upper side	medium	absent or weak
<input type="checkbox"/> Infructescence: density	medium to dense	medium
<input type="checkbox"/> Fruit: size	large	medium to large
<input type="checkbox"/> Fruit: shape in longitudinal section	circular	circular
<input type="checkbox"/> Fruit: attitude of sepals	incurved	straight
<input type="checkbox"/> Fruit: diameter of calyx basin	medium	medium
<input checked="" type="checkbox"/> Fruit: depth of calyx basin	absent or shallow	medium
<input type="checkbox"/> Fruit: intensity of bloom	strong	medium to strong
<input type="checkbox"/> Fruit: colour of skin	blackish blue	blackish blue
<input type="checkbox"/> Fruit: sweetness	medium to high	medium to high
<input type="checkbox"/> Fruit: acidity	low	low to medium
<input type="checkbox"/> Plant: fruiting type	on one-year-old shoots only	on one-year-old shoots only
<input type="checkbox"/> One-year-old shoot: time of beginning of fruit ripening	early to medium	early to medium

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2021	Applied	'DrisBlueTwentyFour'
Mexico	2021	Granted	'DrisBlueTwentyFour'
UK	2022	Applied	'DrisBlueTwentyFour'
USA	2021	Granted	'DrisBlueTwentyFour'

Nil Prior Sales

Description: Bryan Nemire, North Boambee Valley, NSW.



DrisBlueTwentyFour
DrisBlueFourteen
Blueberry (*Vaccinium Corymbosum*) 'DrisBlueTwentyFour' with comparator 'DrisBlueFourteen'

Details of Application

Application Number	2023/103
Variety Name	'Tomahawk CL Plus'
Genus Species	<i>Triticum aestivum</i>
Common Name	Wheat
Accepted Date	22-Jun-2023
Applicant	Australian Grain Technologies Pty Ltd, Roseworthy, SA 5371
Qualified Person	Andrew Cecil
Author of Description	Andrew Cecil

Details of Comparative Trial

Location	Roseworthy SA
Descriptor	TG/3/12 Rev
Period	2023
Conditions	A comparative trial was sown on the Roseworthy Campus of the University of Adelaide. In the previous year the trial area carried a Lentil crop which was harvested for grain. Pre-seeding herbicides Roundup Ultra (1.5 l/ha), Voraxor (100mls) and Hasten (1l/100l) were applied and then Overwatch (1.25L) and Avadex Xtra (2L) were done as a separate application prior to seeding. The trial was sown on 9th May 2023 and 90kg MAP + 2.5% zinc fertiliser was sown with the seed. The season was generally favourable for growth of the crop and for weeds and disease. The trial was sprayed post emergence on 4th July with Paradigm (25g), Axial xtra (500 mls), MCPA LVE 570 (500mls) to control weeds, Lemat insecticide was added (100 mls) for insect control and Elatus Ace (500 mls) was added for disease prevention. On the 21st June and 15th August, 50L/ha of liquid N fertiliser was applied. The trial was harvested on 16th November 2023.
Trial Design	Randomised block design of 4 blocks and 24 entries consisting of comparators and potential candidates. Sown in 24 ranges of 4 plots wide, block 1 being in ranges 1 to 6 and so on. Plots were 1.32 m wide (5 rows) and 3.2m long. There were approximately 1000 plants per plot. Qualitative characters were recorded for every replicate at the appropriate growth stage.
Measurements	Quantitative characters were measured on 10 randomly sampled plants from each replicate, the samples being taken at the appropriate growth stage or after maturity. Statistical analyses were completed using "R" software.

RHS Chart - edition**Origin and Breeding**

Controlled pollination: A cross was completed between the two parents OD0042C5 and Scepter in 2016. In 2017 the population was grown in the field at Roseworthy (SA) and screened for the Imidazolinone herbicide tolerance. In 2018, 2019 and 2020 these lines were evaluated in AGT's agronomic, disease and quality testing network across; Western Australia, South Australia, Victoria and New South Wales. In 2021 an elite line was identified and named RAC3261 and continued to be evaluated in AGT's agronomic, disease and quality testing network across; Western Australia, South Australia, Victoria, New South Wales and Queensland. Seed purification began in 2021 and this seed was used for commercial seed multiplication. In 2022, RAC3261 entered the National Variety Trials (NVT) across; Western Australia, South Australia, Victoria and New South Wales. Breeder: Dr James

Edwards and Dr Adam Norman, Australian Grain Technologies Pty Ltd, Roseworthy, SA 5371

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	Tolerance to 1500 ml/ha imidazolinone	Very high
Seed	Colour	White
Flag leaf	anthocyanin colouration of auricle	absent
Straw	Pith in cross section	Thin
Ear	awns	Present
Ear	Colour	White
Season	Type	Spring

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Hammer CL Plus'	Matches all grouping characteristics
'Sheriff CL Plus'	Matches all grouping characteristics
'Sunblade CL Plus'	Matches all grouping characteristics

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Chief CL Plus'	straw pith in cross section	thin	thick	
'Hatchet CL Plus'	ear time of emergence	medium	very early	
'Kord CL Plus'	ear glaucosity	very weak to weak	medium	
'Grenade CL Plus'	ear glaucosity	very weak to weak	medium to strong	
'Clearfield WHT JNZ'	plant tolerance to imidazolinone herbicide @1500 ml per hectare	high to very high	low	
'Clearfield WHT STL'	plant tolerance to imidazolinone herbicide @1500 ml per hectare	high to very high	low	
'Razor CL Plus'	ear time of emergence	medium	early	

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

Organ/Plant Part: Context	'Tomahawk CL Plus'	'Hammer CL Plus'	'Sheriff CL Plus'	'Sunblade CL Plus'
<input type="checkbox"/> Seed: colour	white	white	white	white
<input type="checkbox"/> Plant: growth habit	erect to semi erect	erect to semi erect	semi erect	erect to semi erect
<input type="checkbox"/> Plant: frequency of plants with	low to medium	high	low	medium

recurved flag leaves

<input type="checkbox"/> Flag Leaf: anthocyanin colouration of auricles	absent or weak	absent or weak	absent or weak	absent or weak
<input type="checkbox"/> Flag Leaf: glaucosity of sheath	medium	weak	weak	weak
<input type="checkbox"/> Flag Leaf: glaucosity of blade	absent or very weak	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/> Ear: glaucosity	absent or very weak	absent or very weak	weak	absent or very weak
<input checked="" type="checkbox"/> Culm: glaucosity of neck	medium	weak	weak	weak
<input type="checkbox"/> Straw: pith in cross section	thin	thin	thick or filled	thin
<input type="checkbox"/> Ear: density	dense	dense	dense	dense
<input type="checkbox"/> Ear: scurs or awns	awns present	awns present	awns present	awns present
<input type="checkbox"/> Ear: length of scurs or awns	medium	medium	medium to long	medium
<input type="checkbox"/> Ear: colour	white	white	white	white
<input type="checkbox"/> Ear: shape in profile	tapering	tapering	tapering	tapering
<input checked="" type="checkbox"/> Apical rachis segment: area of hairiness on convex surface	absent or very small	absent or very small	absent or very small	small
<input checked="" type="checkbox"/> Lower glume: shoulder width	narrow	narrow to medium	medium	absent or very narrow
<input type="checkbox"/> Lower glume: shoulder shape	horizontal	horizontal	horizontal	horizontal
<input checked="" type="checkbox"/> Lower glume: length of beak	medium to long	medium	long to very long	long to very long
<input type="checkbox"/> Lower glume: shape of beak	slightly curved	slightly curved to moderately curved	slightly curved to moderately curved	straight to slightly curved
<input type="checkbox"/> Lower glume: area of hairiness on internal surface	very small	very small	very small	very small
<input type="checkbox"/> Plant: seasonal type	spring type	spring type	spring type	spring type

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Tomahawk CL Plus'	'Hammer CL Plus'	'Sheriff CL Plus'	'Sunblade CL Plus'
<input type="checkbox"/> Plant: tolerance to imidazolinone herbicide @1500ml per hectare	High to Very High	High to Very High	High to Very High	High to Very High

Statistical Table

Organ/Plant Part: Context	'Tomahawk CL Plus'	'Hammer CL Plus'	'Sheriff CL Plus'	'Sunblade CL Plus'
<input checked="" type="checkbox"/> Ear: Time of emergence (Julian days)				
Mean	244.00	244.25	246.50	242.50
Std. Deviation	2.80	0.50	0.58	1.00
Lsd/sig	2.07	ns	P ≤0.01	ns
<input checked="" type="checkbox"/> Ear: Length (mm)				

Mean	92.60	76.60	92.60	97.10
Std. Deviation	1.20	1.55	0.42	3.90
Lsd/sig	6.59	P≤0.01	ns	ns

<input checked="" type="checkbox"/> Plant: Length (mm)				
Mean	89.00	86.70	83.66	92.00
Std. Deviation	1.25	0.60	2.51	1.73
Lsd/sig	3.25	ns	P≤0.01	ns

Prior Applications and Sales:

No prior sale or application.

Description: Andrew Cecil, Roseworthy, SA



‘Tomahawk CL Plus’ ‘Hammer CL Plus’ ‘Sheriff CL Plus’ ‘Sunblade CL Plus’

Triticum aestivum (Wheat) variety ‘Tomahawk CL Plus’ with comparators ‘Hammer CL Plus’, ‘Sheriff CL Plus’ and ‘Sunblade CL Plus’

Details of Application

Application Number	2023/105
Variety Name	'Leverage'
Genus Species	<i>Triticum aestivum</i>
Common Name	Wheat
Accepted Date	28-Jun-2023
Applicant	Australian Grain Technologies Pty Ltd
Qualified Person	Andrew Cecil

Details of Comparative Trial

Location	Roseworthy SA
Descriptor	TG/3/12 Rev
Period	2023
Conditions	A comparative trial was sown on the Roseworthy Campus of the University of Adelaide. In the previous year the trial area carried a Lentil crop which was harvested for grain. Pre-seeding herbicides Roundup Ultra (1.5 l/ha), Voraxor (100mls) and Hasten (1l/100l) were applied and then Overwatch (1.25L) and Avadex Xtra (2L) were done in a separate application prior to seeding. The trial was sown on 9th May 2023 and 90kg MAP + 2.5% zinc fertiliser was sown with the seed. The season was generally favourable for growth of the crop and for weeds and disease. The trial was sprayed post emergence on 4th July with Paradigm (25g), Axial xtra (500mls), MCPA LVE 570 (500mls) to control weeds, Lemat insecticide was added (100mls) for insect control and Elatus Ace (500mls) was added for disease prevention. On the 21st June and 15th August, 50L/ha of liquid N fertiliser was applied. The trial was harvested on 16th November 2023.
Trial Design	Randomised block design of 4 blocks and 24 entries consisting of comparators and potential candidates. Sown in 24 ranges of 4 plots wide, block 1 being in ranges 1 to 6 and so on. Plots were 1.32 m wide (5 rows) and 3.2m long. There were approximately 1000 plants per plot. Qualitative characters were recorded for every replicate at the appropriate growth stage.
Measurements	Quantitative characters were measured on 10 randomly sampled plants from each replicate, the samples being taken at the appropriate growth stage or after maturity. Statistical analyses were completed using "R" software.
RHS Chart - edition	n/a

Origin and Breeding

Controlled pollination: The cross was made at Plant Breeding Institute (PBI), Narrabri in 2014 resulting in a population coded N14:065. The population was selfed from F1 to F4 generations and grown in AGT summer nurseries, DAFFQ root lesion nematode nursery at Formartin and the field at PBI, Narrabri, with selection for plant type, maturity, root lesion nematode (*P. thornei*) and rust resistances. In 2016, subsamples of single plants were genotyped, these lines were selected for grain yield, multiple disease resistances and milling quality based on GS predictions. Surviving lines then entered into AGT's agronomic, disease and quality testing network across: New South Wales, Queensland, Victoria, South Australia and Western Australia. In 2019 a selection was identified which became SUN1087I. In 2022, SUN1087I entered the National Variety Trials (NVT) across Queensland and New South Wales. Seed purification began in 2020 and this seed was used as the source for commercial seed multiplication. Breeder: Dr Meiqin Lu and Mr Thomas Kapcejevs, Australian Grain Technologies PTY LTD.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Seed	colour	white
Plant	growth habit	semi erect
Ear	time of emergence	medium to late
Ear	density	lax to medium
Ear	awns	present
Ear	colour	white
Season	type	spring
Straw	pith in cross section	thin
Ear	shape in profile	tapering
Lower glume	shoulder width	narrow

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Coolah'	Matches all grouping characteristics
'Sunflex'	Matches all grouping characteristics
'LRPB Lancer'	Matches all grouping characteristics

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'LRPB Raider'	flag anthocyanin of leaf auricle	medium	absent	
'LRPB Raider'	lmw glub3 subunit	b	h	
'Coota'	plant susceptibility to stripe rust	moderately resistant-moderately susceptible	susceptible	
'EGA Gregory'	plant length	short-medium	tall	
'Rockstar'	plant susceptibility to stripe rust	moderately resistant-moderately susceptible	susceptible-very susceptible	

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

Organ/Plant Part: Context	'Leverage'	'Coolah'	'LRPB Lancer'	'Sunflex'
<input type="checkbox"/> Seed: colour	white	white	white	white
<input type="checkbox"/> Plant: growth habit	semi erect	semi erect	semi erect	semi erect to intermediate
<input type="checkbox"/> Plant: frequency of plants with recurved flag leaves	medium	medium	medium to high	medium to high
<input type="checkbox"/> Flag Leaf: anthocyanin colouration of auricles	medium	absent or weak	absent or weak	absent or weak
<input type="checkbox"/> Flag Leaf: glaucosity of sheath	weak to medium	weak	weak to medium	weak to medium
<input type="checkbox"/> Flag Leaf: glaucosity of blade	absent or very	absent or	absent or	absent or

<input type="checkbox"/>	Ear: glaucosity	weak	very weak to weak	very weak	very weak
<input type="checkbox"/>	Culm: glaucosity of neck	absent or very weak to weak	absent or very weak to weak	absent or very weak	absent or very weak to weak
<input type="checkbox"/>	Straw: pith in cross section	weak	weak	weak to medium	weak to medium
<input type="checkbox"/>	Ear: density	thin	thin	thin	thin
<input type="checkbox"/>	Ear: scurs or awns	medium	lax to medium	medium	medium
<input type="checkbox"/>	Ear: length of scurs or awns	awns present	awns present	awns present	awns present
<input type="checkbox"/>	Ear: colour	medium to long	medium to long	long	medium
<input type="checkbox"/>	Ear: shape in profile	white	white	white	white
<input checked="" type="checkbox"/>	Apical rachis segment: area of hairiness on convex surface	tapering	tapering	tapering	tapering
<input checked="" type="checkbox"/>	Lower glume: shoulder width	small	absent or very small	absent or very small	absent or very small
<input type="checkbox"/>	Lower glume: shoulder shape	narrow	narrow	absent or very narrow to narrow	narrow to medium
<input checked="" type="checkbox"/>	Lower glume: length of beak	horizontal	horizontal		
<input type="checkbox"/>	Lower glume: shape of beak	long	medium	long to very long	long
<input type="checkbox"/>	Lower glume: area of hairiness on internal surface	straight	straight to slightly curved	straight to slightly curved	straight
<input type="checkbox"/>	Plant: seasonal type	very small	very small	very small	very small
		spring type	spring type	spring type	spring type

Statistical Table

Organ/Plant Part: Context	'Leverage'	'Coolah'	'LRPB Lancer'	'Sunflex'
<input checked="" type="checkbox"/> Plant: Length (mm)				
Mean	93.30	96.00	80.33	79.33
Std. Deviation	1.90	1.73	0.58	2.16
Lsd/sig	3.25	ns	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Ear: Length (mm)				
Mean	118.00	106.55	97.70	106.55
Std. Deviation	2.95	3.75	0.84	1.06
Lsd/sig	6.59	P≤0.01	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Ear: Time of emergence (Julian days)				
Mean	249.60	250.00	249.00	252.70
Std. Deviation	1.45	2.16	1.82	1.50
Lsd/sig	2.07	ns	ns	P≤0.01

Prior Applications and Sales:

No prior sale or application.

Description: Andrew Cecil, Roseworthy, SA



'Leverage'

'Coolah'

'LRPB Lancer'

'Sunflex'

Triticum aestivum (Wheat) variety 'Leverage' with comparators 'Coolah', 'LRPB Lancer' and 'Sunflex'

Details of Application

Application Number	2023/106
Variety Name	'Lancelin'
Genus Species	<i>Triticum aestivum</i>
Common Name	Wheat
Accepted Date	27-Jun-2023
Applicant	Australian Grain Technologies Pty Ltd, Roseworthy, South Australia
Qualified Person	Andrew Cecil

Details of Comparative Trial

Location	Roseworthy SA
Descriptor	Descriptor TG/3/12 Rev
Period	2023
Conditions	A comparative trial was sown on the Roseworthy Campus of the University of Adelaide. In the previous year the trial area carried a Lentil crop which was harvested for grain. Pre-seeding herbicides Roundup Ultra (1.5 l/ha), Voraxor (100mls) and Hasten (1l/100l) were applied and then Overwatch (1.25L) and Avadex Xtra (2L) were done in a separate application prior to seeding. The trial was sown on 9th May 2023 and 90kg MAP + 2.5% zinc fertiliser was sown with the seed. The season was generally favourable for growth of the crop and for weeds and disease. The trial was sprayed post emergence on 4th July with Paradigm (25g), Axial xtra (500mls), MCPA LVE 570 (500mls) to control weeds, Lemat insecticide was added (100mls) for insect control and Elatus Ace (500mls) was added for disease prevention. On the 21st June and 15th August, 50L/ha of liquid N fertiliser was applied. The trial was harvested on 16th November 2023.
Trial Design	Randomised block design of 4 blocks and 24 entries consisting of comparators and potential candidates. Sown in 24 ranges of 4 plots wide, block 1 being in ranges 1 to 6 and so on. Plots were 1.32 m wide (5 rows) and 3.2m long. There were approximately 1000 plants per plot. Qualitative characters were recorded for every replicate at the appropriate growth stage.
Measurements	Quantitative characters were measured on 10 randomly sampled plants from each replicate, the samples being taken at the appropriate growth stage or after maturity. Statistical analyses were completed using "R" software.

RHS Chart - edition**Origin and Breeding**

Controlled pollination: Back-crosses were made at AGT glasshouse, Roseworthy (SA) during 2016 that resulted a population coded OD0125C5. In 2017, individual lines were selected from the short multiplication plot at Nunile, WA. In 2018 these lines were evaluated in AGT's agronomic, disease and quality testing network across; Western Australia and South Australia. In 2019 an elite line was identified and named OAGT0049 and continued to be evaluated for another 2 years in AGT's agronomic, disease and quality testing network across; Western Australia, South Australia, and New South Wales. In 2021, OAGT0049 was identified to be segregating for the HMW subunit GluB1 (allele 'al'). Therefore, the re-selections of non-carriers of HMW subunit GluB1 (allele 'al') from OAGT0049 was re-bulked and named OAGT0049R. Since 2021, OAGT0049 re-entered AGT's agronomic, disease and quality testing network as OAGT0049R. Seed purification began in 2021 and this seed was used for commercial seed multiplication. In 2022, OAGT0049R entered the National Variety Trials (NVT)

across; Western Australia, South Australia, Victoria and New South Wales. Breeder: Dr Usman Ijaz, Dr Dion Bennett and Ms Britt Kalmeier, Australian Grain Technologies PTY LTD.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Seed	colour	white
Plant	frequency of recurve flag leaf	low to medium
Plant	growth habit	erect to semi erect
Flag leaf	anthocyanin colouration of auricles	absent or weak
Plant	season	spring
Flag leaf	glaucosity of blade	absent or very weak
Ear	glaucosity	absent or very weak to weak
Lower glume	shoulder width	narrow

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Scepter'	Matches all grouping characteristics
'Boree'	Matches all grouping characteristics
'Rockstar'	Matches all grouping characteristics

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'LRPB Oryx'	ear time of emergence	medium	early	
'Ballista'	ear time of emergence	medium	early	
'Bullaring'	ear length	medium	short	
'LRPB Orion'	ear scurs or awns	awns present	both absent	
'Vixen'	ear time of emergence	medium	very early to early	

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

Organ/Plant Part: Context	'Lancelin'	'Boree'	'Rockstar'	'Scepter'
<input type="checkbox"/> Seed: colour	white	white	white	white
<input type="checkbox"/> *Plant: growth habit	erect to semi erect	erect to semi erect	semi erect	erect to semi erect
<input type="checkbox"/> Plant: frequency of plants with recurved flag leaves	low to medium	medium	low	low to medium
<input type="checkbox"/> Flag leaf: anthocyanin colouration of auricles	absent or weak	absent or weak	absent or weak	absent or weak
<input checked="" type="checkbox"/> *Flag leaf: glaucosity of sheath	medium to strong	weak	weak	weak to medium
<input type="checkbox"/> Flag leaf: glaucosity of blade	absent or very weak			
<input type="checkbox"/> *Ear: glaucosity	very weak to weak	weak	very weak to weak	weak

<input type="checkbox"/> Culm: glaucosity of neck	medium to strong	weak	weak	weak to medium
<input type="checkbox"/> *Straw: pith in cross section	thin	thin	thick or filled	thin
<input type="checkbox"/> *Ear: density	dense	medium to dense	medium to dense	medium
<input type="checkbox"/> *Ear: scurs or awns	awns present	awns present	awns present	awns present
<input type="checkbox"/> *Ear: length of scurs or awns	medium to long	medium	medium to long	medium
<input type="checkbox"/> *Ear: colour	white	white	white	white
<input type="checkbox"/> Ear: shape in profile	tapering	tapering	tapering	tapering
<input type="checkbox"/> Apical rachis segment: area of hairiness on convex surface	absent or very small			
<input type="checkbox"/> Lower glume: shoulder width	narrow	narrow	narrow	narrow
<input checked="" type="checkbox"/> Lower glume: shoulder shape	slightly elevated	horizontal	horizontal	slightly elevated
<input checked="" type="checkbox"/> Lower glume: length of beak	very long	long	short to medium	long
<input type="checkbox"/> *Lower glume: shape of beak	slightly curved	straight	slightly curved	straight
<input type="checkbox"/> Lower glume: area of hairiness on internal surface	very small	very small	very small	very small
<input type="checkbox"/> *Seasonal : type	spring type	spring type	spring type	spring type

Statistical Table

Organ/Plant Part: Context	'Lancelin'	'Boree'	'Rockstar'	'Scepter'
<input checked="" type="checkbox"/> Plant: Length (mm)				
Mean	92.00	89.30	85.00	89.30
Std. Deviation	1.05	1.53	1.00	1.53
Lsd/sig	3.25	ns	P<=0.01	ns
<input checked="" type="checkbox"/> Ear: Length (mm)				
Mean	100.00	95.60	91.10	92.75
Std. Deviation	0.42	3.70	0.28	1.34
Lsd/sig	6.59	ns	P<=0.01	P<=0.01
<input checked="" type="checkbox"/> Ear: time of emergence (Julian days)				
Mean	244.90	246.75	250.50	243.50
Std. Deviation	0.98	0.50	1.30	0.58
Lsd/sig	2.07	ns	P<=0.01	ns

Prior Applications and Sales:

No prior sale or application.

Description: Andrew Cecil, Roseworthy, SA



'Lancelin'

'Scepter'

'Boree'

'Rockstar'

Triticum aestivum (Wheat) variety 'Lancelin' with comparators 'Scepter' 'Boree' and 'Rockstar'

Details of Application

Application Number	2023/142
Variety Name	'Harvest Moon'
Genus Species	<i>Solanum tuberosum</i>
Common Name	Potato
Accepted Date	26-Jul-2023
Applicant	Tuberosum Technologies Inc. SK, Canada.
Agent	Dowling Agritech, Mt Gambier East, SA.
Qualified Person	John Fennell

Details of Comparative Trial

Location	Waikerie SA
Descriptor	Potato (<i>Solanum tuberosum</i>) TG/23/6
Period	September 2024 to March 2025
Conditions	Plantlets ex quarantine raised from tissue cultures and planted into potting mix in 200mm diameter plastic pots on 19 September 2024. Pots placed on benches in a screened polythene clad greenhouse
Trial Design	Sixty plants of the candidate and comparator varieties were planted and placed next to each other for direct visual comparison.
Measurements	Observations of foliage and flowers, where present, were taken on 8 November 2024. Tubers were harvested between 10 December and 13 December 2024 and placed in cool store on 20 December 2024. Tubers were recorded on 4 February 2025. Tubers were then placed under illumination and the recording of light sprouts commenced on 22 March 2025.

RHS Chart - edition**Origin and Breeding**

Controlled pollination: The variety 'Piccolo' was pollinated by 'Ph.Sfd' in the Tuberosum Technologies Potato Breeding Program at Broderick, Canada in 2010. Subsequently selection trials occurred with the main selection criteria being marketable yield, maturity time, tuber appearance and disease resistances. Breeding line 'TT-10-014/2011-12' was selected and released as 'Harvest Moon' in 2020. Breeder: Tuberosum Technologies Inc. SK, Canada.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Lightsprout	shape	ovoid
Lightsprout	number of root tips	medium
Flower	frequency of flowers	does not flower
Tuber	skin colour	yellow

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Prairie Sun'	

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Morning Pearl'	Flower colour	does not flower	red violet	
'Smart'	Tuber flesh colour	white	medium yellow	

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

Organ/Plant Part: Context	'Harvest Moon'	'Prairie Sun'
<input type="checkbox"/> Lightsprout: size	small	medium
<input type="checkbox"/> *Lightsprout: shape	ovoid	ovoid
<input type="checkbox"/> *Lightsprout: intensity of anthocyanin colouration	medium	medium
<input type="checkbox"/> *Lightsprout: proportion of blue in anthocyanin colouration of base	absent or low	absent or low
<input type="checkbox"/> *Lightsprout: pubescence of base	medium	medium
<input type="checkbox"/> Lightsprout: size of tip in relation to base	medium	medium
<input type="checkbox"/> Lightsprout: habit of tip	closed	intermediate
<input checked="" type="checkbox"/> Lightsprout: anthocyanin colouration of tip	weak	medium
<input type="checkbox"/> Lightsprout: pubescence of tip	weak	medium
<input type="checkbox"/> *Lightsprout: number of root tips	medium	medium
<input type="checkbox"/> Lightsprout: length of lateral shoots	medium	medium
<input type="checkbox"/> Plant: foliage structure	leaf type	leaf type
<input type="checkbox"/> *Plant: growth habit	semi-upright	semi-upright
<input type="checkbox"/> *Stem: anthocyanin colouration	absent or very weak	absent or very weak
<input type="checkbox"/> Leaf: outline size	medium	medium
<input type="checkbox"/> Leaf: openness	intermediate	intermediate
<input type="checkbox"/> Leaf: presence of secondary leaflets	strong	strong
<input type="checkbox"/> Leaf: green colour	light to medium	medium
<input type="checkbox"/> Leaf: anthocyanin colouration on midrib of upper side	absent or very weak	absent or very weak
<input type="checkbox"/> Second pair of lateral leaflets: size	medium	medium
<input type="checkbox"/> Second pair of lateral leaflets: width in relation to length	medium	medium
<input type="checkbox"/> Terminal and lateral leaflets: frequency of coalescence	absent or very low	absent or very low
<input type="checkbox"/> Leaflet: waviness of margin	weak	weak to medium
<input type="checkbox"/> Leaflet: depth of veins	medium	medium
<input type="checkbox"/> Leaflet: glossiness of the upperside	medium	medium
<input type="checkbox"/> *Plant: time of maturity	medium	medium
<input type="checkbox"/> *Tuber: shape	short-oval	round
<input type="checkbox"/> Tuber: depth of eyes	very shallow	shallow to medium
<input type="checkbox"/> *Tuber: colour of skin	yellow	yellow
<input type="checkbox"/> *Tuber: colour of base of eye	yellow	yellow
<input checked="" type="checkbox"/> *Tuber: colour of flesh	white	medium yellow

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Harvest Moon'	'Prairie Sun'
<input checked="" type="checkbox"/> Tuber: skin smoothness	medium	smooth
<input type="checkbox"/> stem: wings	small	small
<input type="checkbox"/> stem: thickness	thin	thin

Prior Applications: Nil

First sold in Canada April 2020.

Description: John Fennell, Littlehampton, SA.



Potato (*Solanum tuberosum*) variety 'Harvest Moon'

Details of Application

Application Number	2023/144
Variety Name	'Frizzy G'
Genus Species	<i>Solanum tuberosum</i>
Common Name	Potato
Accepted Date	08-Aug-2023
Applicant	Tuberosum Technologies Inc. SK, Canada.
Agent	Dowling Agritech, Mt Gambier East, SA.
Qualified Person	John Fennell

Details of Comparative Trial

Location	Waikerie SA
Descriptor	Potato (<i>Solanum tuberosum</i>) TG/23/6
Period	September 2024 to April 2025
Conditions	Plantlets ex quarantine raised from tissue cultures and planted into potting mix in 200mm diameter plastic pots on 19 September 2024. Pots placed on benches in a screened polythene clad greenhouse
Trial Design	Sixty plants of the candidate and comparator varieties were planted and placed next to each other for direct visual comparison.
Measurements	Observations of foliage and flowers, where present, were taken on 8 November 2024. Tubers were harvested between 10 December and 13 December 2024 and placed in cool store on 20 December 2024. Tubers were recorded on 4 February 2025. Tubers were then placed under illumination and the recording of lightsprouts commenced on 22 March 2025.
RHS Chart - edition	n/a

Origin and Breeding

Controlled pollination: The variety 'Piccolo' was pollinated by the variety 'Ampera' in the Fobek B.V. & Heidemans Potato Breeding Program at Saint Annaparochie, Netherlands in 2006. Subsequently selection trials occurred at multiple sites with the main selection criteria being marketable yield, maturity time, tuber appearance, disease resistances, cooking quality and storability. Breeding line 'FOB2007-147-072' was selected and released as 'Frisian Gold' in 2021. The variety is protected under the name 'Frizzy G' in Australia. Breeder: Fobek B.V. & Heidemans Breeding, Friesland, The Netherlands.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Flower	colour	white
Tuber	skin colour	yellow
Tuber	flesh colour	yellow
Tuber	shape	oval
Tuber	skin smoothness	smooth

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Emma'	

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comments Comparator Variety
'Perline'	lightsprout shape	ovoid	broad cylindrical
'Perline'	Tuber skin smoothness	smooth	medium

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

Organ/Plant Part: Context	'Frizzy G'	'Emma'
<input checked="" type="checkbox"/> Lightsprout: size	large	medium
<input type="checkbox"/> *Lightsprout: shape	ovoid	spherical
<input checked="" type="checkbox"/> *Lightsprout: intensity of anthocyanin colouration	medium	very strong
<input checked="" type="checkbox"/> *Lightsprout: proportion of blue in anthocyanin colouration of base	absent or low	high
<input checked="" type="checkbox"/> *Lightsprout: pubescence of base	medium	strong
<input checked="" type="checkbox"/> Lightsprout: size of tip in relation to base	large	small
<input type="checkbox"/> Lightsprout: habit of tip	intermediate	intermediate
<input checked="" type="checkbox"/> Lightsprout: anthocyanin colouration of tip	absent or very weak	strong
<input checked="" type="checkbox"/> Lightsprout: pubescence of tip	weak	strong
<input type="checkbox"/> *Lightsprout: number of root tips	medium	medium
<input type="checkbox"/> Lightsprout: length of lateral shoots	medium	medium
<input type="checkbox"/> Plant: foliage structure	intermediate type	intermediate type
<input type="checkbox"/> *Plant: growth habit	semi-upright	semi-upright
<input type="checkbox"/> *Stem: anthocyanin colouration	absent or very weak	medium to strong
<input type="checkbox"/> Leaf: outline size	large	medium to large
<input type="checkbox"/> Leaf: openness	intermediate	intermediate to open
<input type="checkbox"/> Leaf: presence of secondary leaflets	strong	medium to strong
<input checked="" type="checkbox"/> Leaf: green colour	light	medium
<input type="checkbox"/> Leaf: anthocyanin colouration on midrib of upper side	absent or very weak	very weak to weak
<input type="checkbox"/> Second pair of lateral leaflets: size	medium	medium
<input type="checkbox"/> Second pair of lateral leaflets: width in relation to length	medium	narrow to medium
<input type="checkbox"/> Terminal and lateral leaflets: frequency of coalescence	absent or very low	medium
<input type="checkbox"/> Leaflet: waviness of margin	weak	weak to medium
<input checked="" type="checkbox"/> Leaflet: depth of veins	deep	medium
<input type="checkbox"/> Leaflet: glossiness of the upperside	medium	medium
<input type="checkbox"/> *Flower corolla: intensity of anthocyanin colouration on inner side	absent or very weak	absent or very weak
<input type="checkbox"/> *Flower corolla: proportion of blue in anthocyanin	absent or low	absent or low

colouration on inner side

<input type="checkbox"/> *Flower corolla: extent of anthocyanin colouration on inner side	absent or very small	
<input type="checkbox"/> *Plant: time of maturity	early	early
<input type="checkbox"/> *Tuber: shape	oval	oval
<input type="checkbox"/> Tuber: depth of eyes	medium	shallow
<input type="checkbox"/> *Tuber: colour of skin	yellow	yellow
<input type="checkbox"/> *Tuber: colour of base of eye	yellow	yellow
<input type="checkbox"/> *Tuber: colour of flesh	medium yellow	light yellow

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Frizzy G'	'Emma'
<input type="checkbox"/> Tuber: skin smoothness	smooth	smooth
<input type="checkbox"/> stem: wings	small	small

Prior Applications and Sales:

Country	Year	Status	Name Applied
CA	2019	Granted	'Frisian Gold'

First sold in Canada March 2021.

Description: John Fennell, Littlehampton, SA.



Potato (*Solanum tuberosum*) variety 'Frizzy G'

Details of Application

Application Number	2023/164
Variety Name	'AGT-Spirit'
Genus Species	<i>Hordeum vulgare</i>
Common Name	Barley
Accepted Date	25-Aug-2023
Applicant	AGT Roseworthy, SA, Australia; Limagrain Europe S.A.S, Saint Beuzire, France.
Agent	Australian Grain Technologies Pty Ltd, Roseworthy SA, Australia
Qualified Person	Stewart Coventry

Details of Comparative Trial

Location	Roseworthy, South Australia
Descriptor	Barley TG 19/11 (revised)
Period	May - November 2023
Conditions	A comparative trial was sown on the Roseworthy Campus of the University of Adelaide. In the previous year the trial area carried a Lentil crop which was harvested for grain. Pre-seeding herbicides Roundup Ultra (1.5 l/ha), Voraxor (100mls) and Hasten (1l/100l) were applied and then Mateno Complete (750mls) and Avadex Xtra (2L) were done as a separate application prior to seeding. The trial was sown on 15th May 2023 and 90kg MAP + 2.5% zinc fertiliser was sown with the seed. The season was generally favourable for growth of the crop and for weeds and disease. The trial was sprayed post emergence on 4th July with Paradigm (25g), Axial xtra (500mls), MCPA LVE 570 (500mls) to control weeds, Lemat insecticide was added (100mls) for insect control and Elatus Ace (500mls) was added for disease prevention. On the 21st June and 15th August, 50L/ha of liquid N fertiliser was applied. The trial was harvested on 27th October 2023.
Trial Design	Randomised block design with 12 replicates, consisting of 1 comparator and 2 generations of the candidate. Sown in 24 ranges of 2 plots wide, block 1 being in ranges 1 to 2 and so on. Plots were 1.25m wide (5 rows) and 3.2m long. There were approximately 600 plants per plot. Qualitative characters were recorded for every replicate at the appropriate growth stage.
Measurements	Quantitative characters were measured on randomly sampled plants from each replicate. For each comparator or candidate generation there was 12 measurements of maturity, 60 measurements of plant height, and 10 spikes per replicate collected after maturity for 120 head measurements. Statistical analyses were completed using "R" software.
RHS Chart - edition	n/a

Origin and Breeding

Controlled pollination: In 2015 the maternal parent was crossed to the paternal parent resulting in a population. The population was selfed from the F1 to F3 generations, and derived selections tested at multiple locations in the UK, including the selection that became 'AGTB0318'. 'AGTB0318' was assessed in a network of breeding trials across Australia in 2019 and 2020. In 2021 AGTB0318 entered the National Variety Trials (NVT) in South Australia, Victoria, New South Wales and Tasmania. Seed purification began in 2020 and this seed was used as the source for commercial seed multiplication. Breeders: Mark Glew, Limagrain UK, Stewart Coventry and Paul Telfer, Australian Grain Technologies Pty Ltd, Roseworthy SA, Australia

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Ear	development of sterile spikelets	none or rudimentary
Grain	rachilla hair type	short
Plant	imidazolinone herbicide tolerance	absent

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'RGT Planet'	

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Neo'	Plant imidazolinone herbicide tolerance	absent	present	
'Zena'	Plant imidazolinone herbicide tolerance	absent	present	

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

Organ/Plant Part: Context	'AGT-Spirit'	'RGT Planet'
<input type="checkbox"/> Plant: imidazolinone herbicide tolerance	absent	absent
<input type="checkbox"/> Kernel: colour of aleurone layer	whitish	whitish
<input type="checkbox"/> Plant: growth habit	semi-erect to intermediate	semi-erect to intermediate
<input checked="" type="checkbox"/> Plant: intensity of green colour	dark	medium
<input type="checkbox"/> Lowest leaves: hairiness of leaf sheath	absent	absent
<input checked="" type="checkbox"/> Flag leaf: anthocyanin coloration of auricles	strong	medium
<input type="checkbox"/> Flag leaf: attitude	semi-erect to horizontal	semi-erect to horizontal
<input checked="" type="checkbox"/> Ear: Time of emergence	medium	early to medium
<input type="checkbox"/> Flag leaf: glaucosity of sheath	medium to strong	medium to strong
<input type="checkbox"/> Awns: anthocyanin colouration of tips	medium	medium
<input type="checkbox"/> Ear: glaucosity	medium to strong	medium to strong
<input type="checkbox"/> Ear: attitude	semi-erect to horizontal	semi-erect to horizontal
<input type="checkbox"/> Grain: anthocyanin coloration of nerves of lemma	medium to strong	medium
<input type="checkbox"/> Plant: length	medium to long	medium to long
<input type="checkbox"/> Ear: number of rows	two	two
<input type="checkbox"/> Ear: development of sterile spikelets	none or rudimentary	none or rudimentary
<input type="checkbox"/> Ear: shape	parallel	parallel
<input type="checkbox"/> Ear: density	medium	medium
<input type="checkbox"/> Ear: length	medium	medium to long

<input checked="" type="checkbox"/> Awn: length	long	medium to long
<input type="checkbox"/> Median spikelet: length of glume and its awn relative to grain	equal	equal
<input type="checkbox"/> Grain: rachilla hair type	short	short
<input type="checkbox"/> Grain: type	husked	husked
<input type="checkbox"/> Grain: hairiness of ventral furrow	absent	absent
<input type="checkbox"/> Seasonal type:	spring type	spring type

Statistical Table

Organ/Plant Part: Context	'AGT-Spirit'	'RGT Planet'
<input checked="" type="checkbox"/> Time of: Ear emergence (Julian days)		
Mean	241.70	240.80
Std. Deviation	1.07	0.87
Lsd/sig	0.78	P≤0.01
<input type="checkbox"/> Plant: Length (cm)		
Mean	69.00	70.20
Std. Deviation	1.80	2.60
Lsd/sig	1.84	ns
<input checked="" type="checkbox"/> Awn: Length (mm)		
Mean	108.60	95.10
Std. Deviation	2.80	2.30
Lsd/sig	2.72	P≤0.01
<input checked="" type="checkbox"/> Ear: Length (mm)		
Mean	84.20	95.40
Std. Deviation	3.60	3.10
Lsd/sig	2.79	P≤0.01
<input checked="" type="checkbox"/> Grain: Number		
Mean	25.60	28.60
Std. Deviation	1.18	1.57
Lsd/sig	1.04	P≤0.01

Prior Applications and Sales: Nil**Description:** Stewart Coventry, Roseworthy SA



Hordeum vulgare (Barley) variety 'AGT-Spirit' with comparator 'RGT Planet'

Details of Application

Application Number	2023/195
Variety Name	'FL11-35'
Genus Species	<i>Vaccinium corymbosum</i> L.
Common Name	Blueberry
Accepted Date	27-Oct-2023
Applicant	Florida Foundation Seed Producers, Inc. 3913 Highway 71, Marianna, 32446, USA
Agent	Dr Jessica Scalzo, Range Road, Corindi Beach, NSW
Qualified Person	Dr Jessica Scalzo

Details of Comparative Trial

Location	Corindi Beach, 2456 NSW, Australia
Descriptor	Blueberry (<i>Vaccinium</i> spp.) TG/137/5
Period	2021-2023
Conditions	Field trial, plants are growing in 17L pots, as per commercial conditions. The distance between pots is 0.7m and the distance between rows is 2.5m.
Trial Design	Plants are planted in a randomised complete block
Measurements	Taken from 6 plans
RHS Chart - edition	5th

Origin and Breeding

Controlled pollination: The variety 'FL11-35' originated as a seedling that was generated from a cross in Gainesville, Florida, during February 2008, between the female plant called 'FL08-35' (unpatented) and the pollen parent called 'FL04-103'(unpatented). The seedling was planted in a high-density field nursery in May 2009, and the first fruit were evaluated in April 2010. 'FL11-35' was first asexually propagated during 2011 by softwood stem cuttings in Gainesville, Florida, USA. Breeder's: Dr. Paul M. Lyrene, Micanopy, Florida, USA.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	vigour	medium
One-year-old shoot	colour	green
Plant	fruiting type	on one-year-old and current shoots

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'C00-09' (Arana)	
'Snowchaser'	

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

Organ/Plant Part: Context	'FL11-35'	'C00-09' (Arana)	'Snowchaser'
<input type="checkbox"/> Plant: vigour	medium	medium	medium
<input checked="" type="checkbox"/> Plant: growth habit	upright	spreading	semi-upright
<input type="checkbox"/> One-year-old shoot: colour	green	green	green
<input type="checkbox"/> One-year-old shoot: length of internode	short	medium	short

<input checked="" type="checkbox"/>	Leaf: length	long	very long	long
<input checked="" type="checkbox"/>	Leaf: width	medium	very broad	medium
<input type="checkbox"/>	Leaf: ratio length/width	medium	low	medium
<input type="checkbox"/>	Leaf: shape	elliptic	elliptic	elliptic
<input type="checkbox"/>	Leaf: colour of upper side	medium green	medium green	medium green
<input type="checkbox"/>	Leaf: margin	entire	entire	entire
<input type="checkbox"/>	Leaf: glaucosity on upper side	absent or weak	absent or weak	absent or weak
<input type="checkbox"/>	Flower bud: anthocyanin colouration	weak	medium	strong
<input type="checkbox"/>	Inflorescence: length	short	medium	short
<input type="checkbox"/>	Flower: shape of corolla	globose	urceolate	urceolate
<input type="checkbox"/>	Flower: size of corolla tube	small	large	medium
<input type="checkbox"/>	Flower: colour of corolla tube	white	white	white
<input type="checkbox"/>	Flower: anthocyanin colouration of corolla tube on outer side	absent or very weak	weak	absent or very weak
<input type="checkbox"/>	Flower: conspicuousness of ridges on corolla tube	medium	strong	medium
<input type="checkbox"/>	Flower: colour of receptacle	green	green	green
<input type="checkbox"/>	Infructescence: density	sparse to medium	medium to dense	medium
<input type="checkbox"/>	Unripe fruit: intensity of green colour	medium to dark	medium	light
<input checked="" type="checkbox"/>	Fruit: size	large	very large	small
<input type="checkbox"/>	Fruit: shape in longitudinal section	oblate	oblate	oblate
<input type="checkbox"/>	Fruit: attitude of sepals	straight	incurved	
<input type="checkbox"/>	Fruit: diameter of calyx basin	medium	medium to large	medium to large
<input type="checkbox"/>	Fruit: depth of calyx basin	medium	deep	absent or shallow
<input type="checkbox"/>	Fruit: intensity of bloom	strong	strong to very strong	weak to medium
<input type="checkbox"/>	Fruit: colour of skin	dark blue	medium blue	blue red
<input checked="" type="checkbox"/>	Fruit: firmness	firm	very firm	soft
<input type="checkbox"/>	Fruit: sweetness	high	medium	high
<input type="checkbox"/>	Fruit: acidity	high	medium	medium
<input type="checkbox"/>	Plant: fruiting type	on one-year-old and current shoots	on one-year-old and current shoots	on one-year-old and current shoots
<input checked="" type="checkbox"/>	Plant: time of beginning of vegetative growth	early to medium	late	early
<input checked="" type="checkbox"/>	One-year-old shoot: time of beginning of flowering	medium	late	early
<input checked="" type="checkbox"/>	Current season's shoot: time of beginning of flowering	medium	late	early

<input checked="" type="checkbox"/> One-year-old shoot: time of beginning of fruit ripening	medium	late	early
<input checked="" type="checkbox"/> Current season's shoot: time of beginning of fruit ripening	medium	late	early

Statistical Table

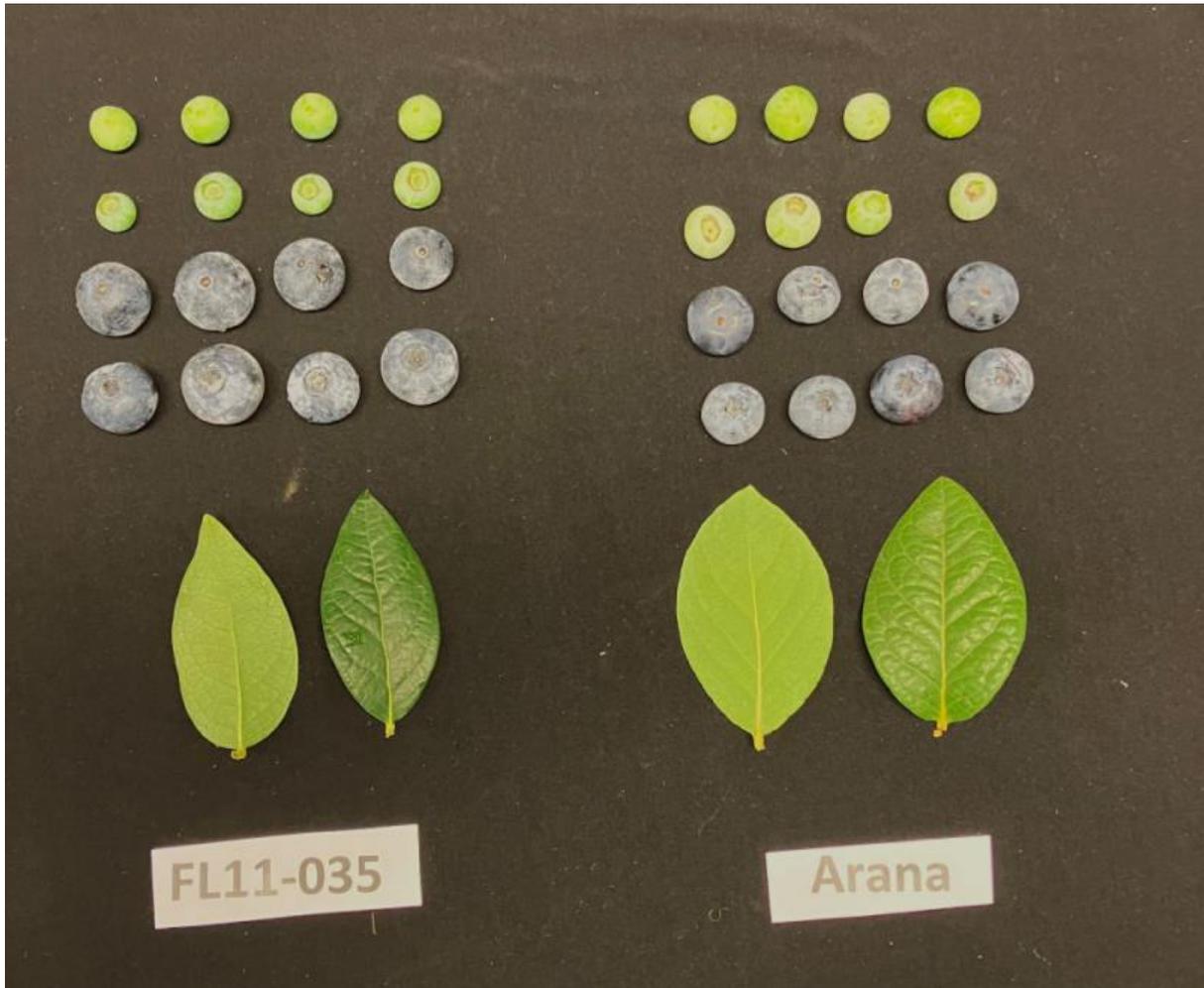
Organ/Plant Part: Context	'FL11-35'	'C00-09' (Arana)	'Snowchaser'
<input type="checkbox"/> Leaf: width (mm)			
Mean	35.00	51.20	35.65
Std. Deviation	1.80	1.80	1.40
Lsd/sig			
<input type="checkbox"/> Fruit: firmness (g/mm)			
Mean	235.30	279.30	195.90
Std. Deviation	14.80	17.10	6.40
Lsd/sig			
<input type="checkbox"/> Fruit: diameter (mm)			
Mean	21.80	20.20	17.10
Std. Deviation	0.80	0.40	0.20
Lsd/sig			
<input type="checkbox"/> Leaf: length (mm)			
Mean	67.60	88.70	67.50
Std. Deviation	2.60	6.30	1.60
Lsd/sig			

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2022	Applied	'Colossus'
South Africa	2021	Applied	'Colossus'
USA	2020	Granted	'Colossus'

First sold in the USA September 2020 under the name Colossus

Description: Dr Jessica Scalzo, Range Road, Corindi Beach, NSW



Blueberry (*Vaccinium corymbosum*) 'FL11-035' with comparator 'C00-09' (Arana)

Details of Application

Application Number	2023/196
Variety Name	'Sentinel'
Genus Species	<i>Vaccinium corymbosum</i> L.
Common Name	Blueberry
Accepted Date	27-Oct-2023
Applicant	Florida Foundation Seed Producers, Inc. 3913 Highway 71, Marianna, 32446, USA
Agent	Dr Jessica Scalzo, Range Road, Corindi Beach, NSW
Qualified Person	Dr Jessica Scalzo

Details of Comparative Trial

Location	Corindi Beach, 2456 NSW, Australia
Descriptor	Blueberry (<i>Vaccinium</i> spp.) TG/137/5
Period	2021-2023
Conditions	field trials, plants were growing in 17L pots, as per commercial conditions. The distance between pots is 0.7m and the distance between rows is 2.5m.
Trial Design	Plants are planted in a randomised complete block
Measurements	Taken from 6 plants
RHS Chart - edition	5th

Origin and Breeding

Controlled pollination: 'Sentinel' originated as a seedling that was generated from a cross performed in Gainesville, FL, during February 2008, between the female parent called 'FL01-25' (unpatented) and the pollen parent 'Scintilla' (patented). The seedling was planted in a high-density field nursery in May 2009, and the first fruit were evaluated in April 2010. 'Sentinel' was first asexually propagated during 2011 by softwood stem cuttings in Gainesville, Florida, USA.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	vigour	medium
One-year-old shoot	colour	green
Plant	fruiting type	on one-year-old and current shoots

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'C00-09' (Arana)	
'Snowchaser'	

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'FL11-35'	Plant: vigour	very strong	medium	

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

Organ/Plant Part: Context	'Sentinel'	'C00-09' (Arana)	'Snowchaser'
<input checked="" type="checkbox"/> Plant: vigour	very strong	medium	medium

<input type="checkbox"/>	Plant: growth habit	upright	spreading	semi-upright
<input type="checkbox"/>	One-year-old shoot: colour	green	green	green
<input type="checkbox"/>	One-year-old shoot: length of internode	medium	short to medium	short
<input checked="" type="checkbox"/>	Leaf: length	very long	very long	long
<input checked="" type="checkbox"/>	Leaf: width	very broad	very broad	medium
<input type="checkbox"/>	Leaf: ratio length/width	low	low	medium
<input type="checkbox"/>	Leaf: shape	elliptic	elliptic	elliptic
<input type="checkbox"/>	Leaf: colour of upper side	medium green	medium green	medium green
<input type="checkbox"/>	Leaf: margin	entire	entire	entire
<input type="checkbox"/>	Leaf: glaucosity on upper side	absent or weak	absent or weak	absent or weak
<input type="checkbox"/>	Flower bud: anthocyanin colouration	weak	medium	strong
<input type="checkbox"/>	Inflorescence: length	medium	medium	short
<input type="checkbox"/>	Flower: shape of corolla	globose	urceolate	urceolate
<input type="checkbox"/>	Flower: size of corolla tube	small	large	medium
<input type="checkbox"/>	Flower: colour of corolla tube	whitish yellow	white	white
<input type="checkbox"/>	Flower: anthocyanin colouration of corolla tube on outer side	absent or very weak	weak	absent or very weak
<input type="checkbox"/>	Flower: conspicuousness of ridges on corolla tube	medium	strong	medium
<input type="checkbox"/>	Flower: colour of receptacle	green	green	green
<input type="checkbox"/>	Infructescence: density	medium	medium to dense	medium
<input type="checkbox"/>	Unripe fruit: intensity of green colour	light to medium	medium	light
<input checked="" type="checkbox"/>	Fruit: size	very large	very large	small
<input type="checkbox"/>	Fruit: shape in longitudinal section	oblate	oblate	oblate
<input type="checkbox"/>	Fruit: attitude of sepals	straight	incurved	
<input type="checkbox"/>	Fruit: diameter of calyx basin	small	medium to large	medium to large
<input type="checkbox"/>	Fruit: depth of calyx basin	medium	deep	
<input type="checkbox"/>	Fruit: intensity of bloom	medium to strong	strong to very strong	weak to medium
<input type="checkbox"/>	Fruit: colour of skin	dark blue	medium blue	blue red
<input checked="" type="checkbox"/>	Fruit: firmness	soft	very firm	soft
<input type="checkbox"/>	Fruit: sweetness	medium	medium	high
<input type="checkbox"/>	Fruit: acidity	medium	medium	medium
<input type="checkbox"/>	Plant: fruiting type	on one-year-old and current shoots	on one-year-old and current shoots	on one-year-old and current shoots
<input checked="" type="checkbox"/>	Plant: time of beginning of vegetative growth	medium	late	early
<input checked="" type="checkbox"/>	One-year-old shoot: time of beginning of flowering	medium	late	early
<input checked="" type="checkbox"/>	Current season's shoot: time of beginning	medium	late	early

of flowering

 One-year-old shoot: time of beginning of fruit ripening

medium

late

early

 Current season's shoot: time of beginning of fruit ripening

medium

late

early

Statistical Table**Organ/Plant Part: Context****'Sentinel'****'C00-09' (Arana)****'Snowchaser'** Leaf: length (mm)

Mean

83.79

88.70

67.50

Std. Deviation

5.70

6.30

1.60

Lsd/sig

 Leaf: width (mm)

Mean

49.10

51.20

35.60

Std. Deviation

4.19

1.79

1.35

Lsd/sig

 Fruit: firmness (g/mm)

Mean

203.20

279.30

195.90

Std. Deviation

14.90

17.10

6.44

Lsd/sig

 Fruit: diameter (mm)

Mean

23.50

20.20

17.10

Std. Deviation

0.79

0.42

0.23

Lsd/sig

P≤0.01

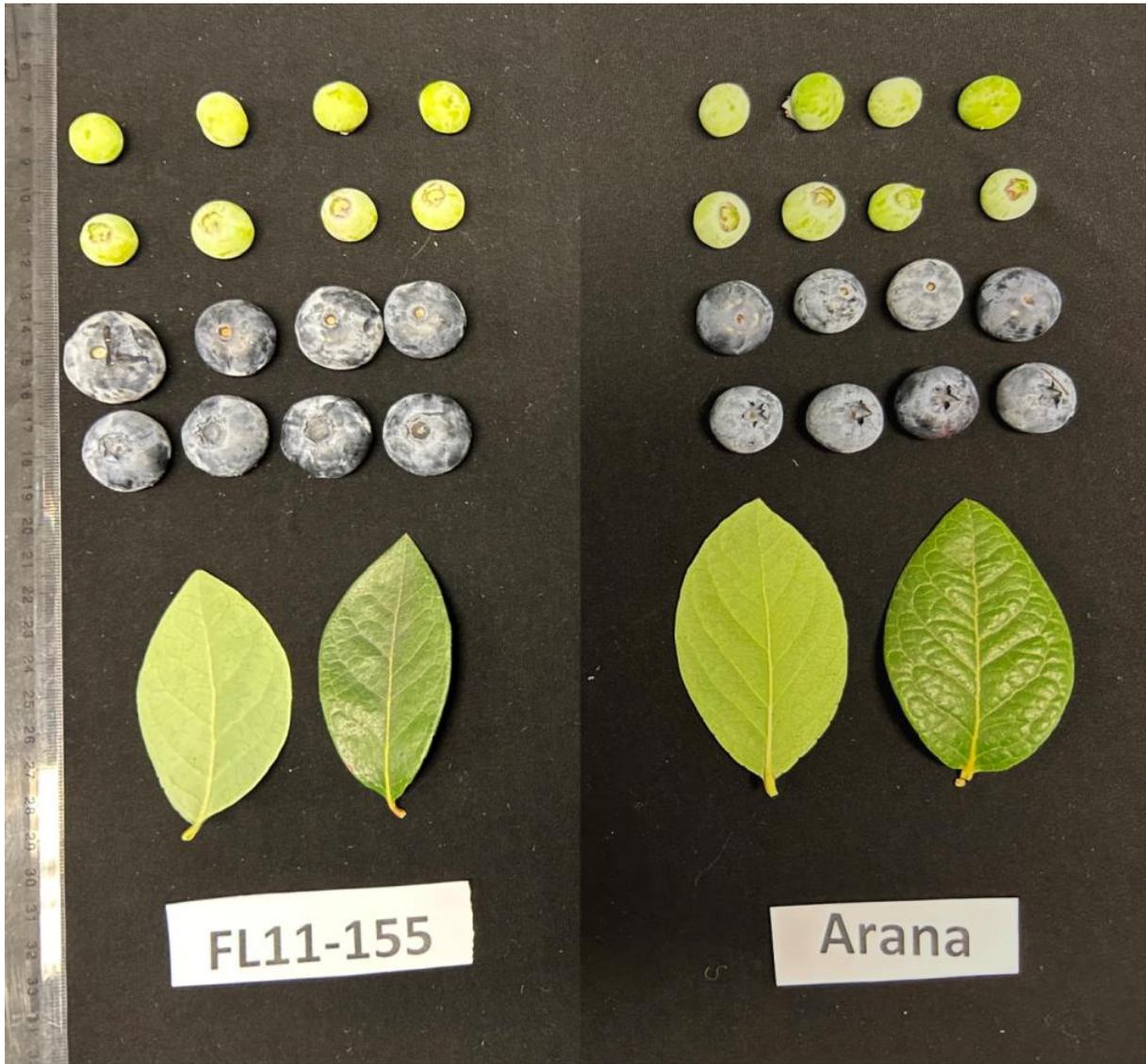
P≤0.01

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2022	Applied	'Sentinel'
USA	2020	Granted	'Sentinel'

Prior sales: Nil

Description: Dr Jessica Scalzo, Range Road, Corindi Beach, NSW



Blueberry (*Vaccinium corymbosum*) 'Sentinel' (FL11-155) with comparator 'C00-09' (Arana)

Details of Application

Application Number	2023/222
Variety Name	'IB 102-5'
Genus Species	<i>Fuchsia</i> x hybrida
Common Name	Fuchsia
Accepted Date	25-Oct-2023
Applicant	Plant Growers Australia Pty Ltd., Wonga Park, VIC
Qualified Person	Jordan Smark

Details of Comparative Trial

Location	Wonga Park, VIC
Descriptor	CPVO-TP/FUCHSIA/1 Fuchsia (Fuchsia)
Period	September 2024 - April 2025
Conditions	Trial conducted in the open, plants propagated as cuttings June 2024 and transferred to 140mm pots in September 2024. Pots were filled with soilless, pinebark based mix with controlled release fertilisers. Appropriate pest and disease treatments were applied as required.
Trial Design	Fifteen pots of each variety in a completely randomised design.
Measurements	From ten plants randomly selected.
RHS Chart - edition	Fifth Edition

Origin and Breeding

Controlled pollination: Self-pollination occurred with the parental variety 'Shadow Dancer Carlotta' in March 2020 as part of an ongoing breeding program to produce a selection with Red sepals, purple petal colour, upright plant habit, short plant height, and single petal type. Seedlings were raised in August 2020 and grown to flowering maturity in summer 2021. At this time several candidates based on the breeding criteria above were selected. These initial selections were grown on for a further 12 months, trialling production performance. In February 2021 a final selection was made who best expressed the breeding criteria. All subsequent generations have remained uniform and stable. Breeder's: Plant Growers Australia, Wonga Park, VIC.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	attitude of shoots	erect
Plant	height	short
Leaf blade	width	medium
Leaf blade	variegation	absent
Flower	type	single
Petal	colour	purple
Petal	shape	circular
Filament	colour	pink
Style	colour	pink

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
Fuchsita 'Red Blue'	
'Shadow Dancer Carlotta'	

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

Organ/Plant Part: Context	'IB 102-5'	Fuchsia 'Red Blue'	'Shadow Dancer Carlotta'
<input type="checkbox"/> Plant: attitude of shoots	erect	erect	erect
<input checked="" type="checkbox"/> Stem: anthocyanin colouration	absent	present	present
<input type="checkbox"/> Leaf blade: length	medium	medium	short to medium
<input type="checkbox"/> Leaf blade: width	medium	medium	medium
<input type="checkbox"/> Leaf blade: variegation	absent	absent	absent
<input checked="" type="checkbox"/> Leaf blade: colour of upper side	medium green	medium green to dark green	dark green
<input type="checkbox"/> Flower: type	single	single	single
<input checked="" type="checkbox"/> Hypanthium: colour (RHS Colour Chart)	47B	53C	53D
<input checked="" type="checkbox"/> Sepal: attitude	erect	semi-drooping	erect
<input checked="" type="checkbox"/> Sepal: attitude of cusp	strongly incurving to incurving	incurving to straight	strongly incurving
<input type="checkbox"/> Sepal: main colour of outer side (RHS Colour Chart)	45C	46C	52B
<input type="checkbox"/> Sepal: main colour of inner side (RHS Colour Chart)	52A	47B	N57A
<input type="checkbox"/> Petal: main colour of outer side (RHS Colour Chart)	83B	79B	N78A
<input type="checkbox"/> Petal: main colour of inner side (RHS Colour Chart)	N81A	79B	N78A
<input type="checkbox"/> Filament: colour	pink	pink	pink
<input type="checkbox"/> Style: colour	pink	pink	pink
<input checked="" type="checkbox"/> Time of: beginning of flowering	early	late	medium

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'IB 102-5'	Fuchsia 'Red Blue'	'Shadow Dancer Carlotta'
<input type="checkbox"/> Plant: height	short	short	short
<input checked="" type="checkbox"/> Flower bud: shape (excluding hypanthium)	ellipsoid	globose	obovoid
<input type="checkbox"/> Sepal: colour	pinkish red	pinkish red	pinkish red
<input type="checkbox"/> Petal: colour	purple	purple	purple
<input type="checkbox"/> Plant: density	dense to very dense	dense	dense
<input checked="" type="checkbox"/> Leaf blade: depth of incisions of margin	weak	absent or very weak	very weak to weak
<input type="checkbox"/> Stem: intensity of anthocyanin colouration	n/a	very weak to weak	weak
<input type="checkbox"/> Leaf blade: shape	ovate	elliptic	ovate
<input checked="" type="checkbox"/> Flowers: size	medium to large	small to medium	medium to large

<input checked="" type="checkbox"/> Flower: attitude	horizontal to semi-drooping	semi-erect	horizontal to semi-drooping
<input type="checkbox"/> Petal: shape	circular	circular	circular

Prior Applications: Nil

First sold in Australia in October 2022

Description: Jordan Smark, PGA, VIC



Fuchsia (*Fuchsia x hybrida*) variety 'IB 102-5' with comparators

Details of Application

Application Number	2023/223
Variety Name	'IB 102-1'
Genus Species	<i>Fuchsia</i> x hybrida
Common Name	Hybrid Fuchsia
Accepted Date	25-Oct-2023
Applicant	Plant Growers Australia Pty Ltd., Wonda Park, VIC
Qualified Person	Jordan Smark

Details of Comparative Trial

Location	Wonga Park, VIC
Descriptor	CPVO-TP/FUCHSIA/1 Fuchsia (Fuchsia)
Period	September 2024 - April 2025
Conditions	Trial conducted in the open, plants propagated as cuttings June 2024 and transferred to 140mm pots in September 2024. Pots were filled with soilless, pinebark based mix with controlled release fertilisers. Appropriate pest and disease treatments were applied as required.
Trial Design	Fifteen pots of each variety in a completely randomised design.
Measurements	From ten plants randomly selected.
RHS Chart - edition	Fifth Edition

Origin and Breeding

Controlled pollination: Cross pollination occurred with the maternal parent Sundancer selection and paternal parent *Fuchsia glazioviana* in March 2020 as part of an ongoing breeding program to produce a selection with Red sepals, purple petal colour, semi-upright plant habit, short to medium plant height, and single petal type. Seedlings were raised in August 2020 and grown to flowering maturity in summer 2021. At this time several candidates based on the breeding criteria above were selected. These initial selections were grown on for a further 12 months, trialling production performance. In February 2021 a final selection was made who best expressed the breeding criteria. All subsequent generations have remained uniform and stable. Breeder's: Plant Growers Australia, Wonga Park, VIC.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	attitude of shoots	semi-erect
stem	anthocyanin colouration	present
Leaf blade	variegation	absent
Leaf blade	shape	lanceolate
Flower bud	shape (excluding hypanthium)	ellipsoid
Flower	type	single
Petal	colour	purple
Petal	shape	obovate

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Sundancer'	
'Electric Lights'	

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

Organ/Plant Part: Context	'IB 102-1'	'Electric Lights'	'Sundancer'
<input type="checkbox"/> Plant: attitude of shoots	semi-erect	semi-erect	semi-erect
<input type="checkbox"/> Stem: anthocyanin colouration	present	present	present
<input type="checkbox"/> Stem: intensity of anthocyanin colouration	weak	very weak to weak	weak to medium
<input checked="" type="checkbox"/> Leaf blade: length	medium	short to medium	long
<input checked="" type="checkbox"/> Leaf blade: width	narrow	narrow to medium	broad
<input type="checkbox"/> Leaf blade: variegation	absent	absent	absent
<input checked="" type="checkbox"/> Leaf blade: colour of upper side	medium green to dark green	light green to medium green	medium green
<input type="checkbox"/> Flower: type	single	single	single
<input checked="" type="checkbox"/> Hypanthium: colour (RHS Colour Chart)	52A	52A	51A
<input checked="" type="checkbox"/> Sepal: attitude	semi-erect	horizontal	semi-erect
<input type="checkbox"/> Sepal: attitude of cusp	incurving	straight	strongly incurving to incurving
<input type="checkbox"/> Sepal: main colour of outer side (RHS Colour Chart)	52A	53C	52A
<input type="checkbox"/> Sepal: main colour of inner side (RHS Colour Chart)	52A	53C	52A
<input type="checkbox"/> Petal: main colour of outer side (RHS Colour Chart)	N80A	N81A	N81A
<input type="checkbox"/> Petal: main colour of inner side (RHS Colour Chart)	N80A	N81A	N80A
<input type="checkbox"/> Filament: colour	red	pink	red
<input type="checkbox"/> Style: colour	red	pink	red
<input checked="" type="checkbox"/> Time of: beginning of flowering	early	medium to late	early

Characteristics Additional to the Descriptor/TG

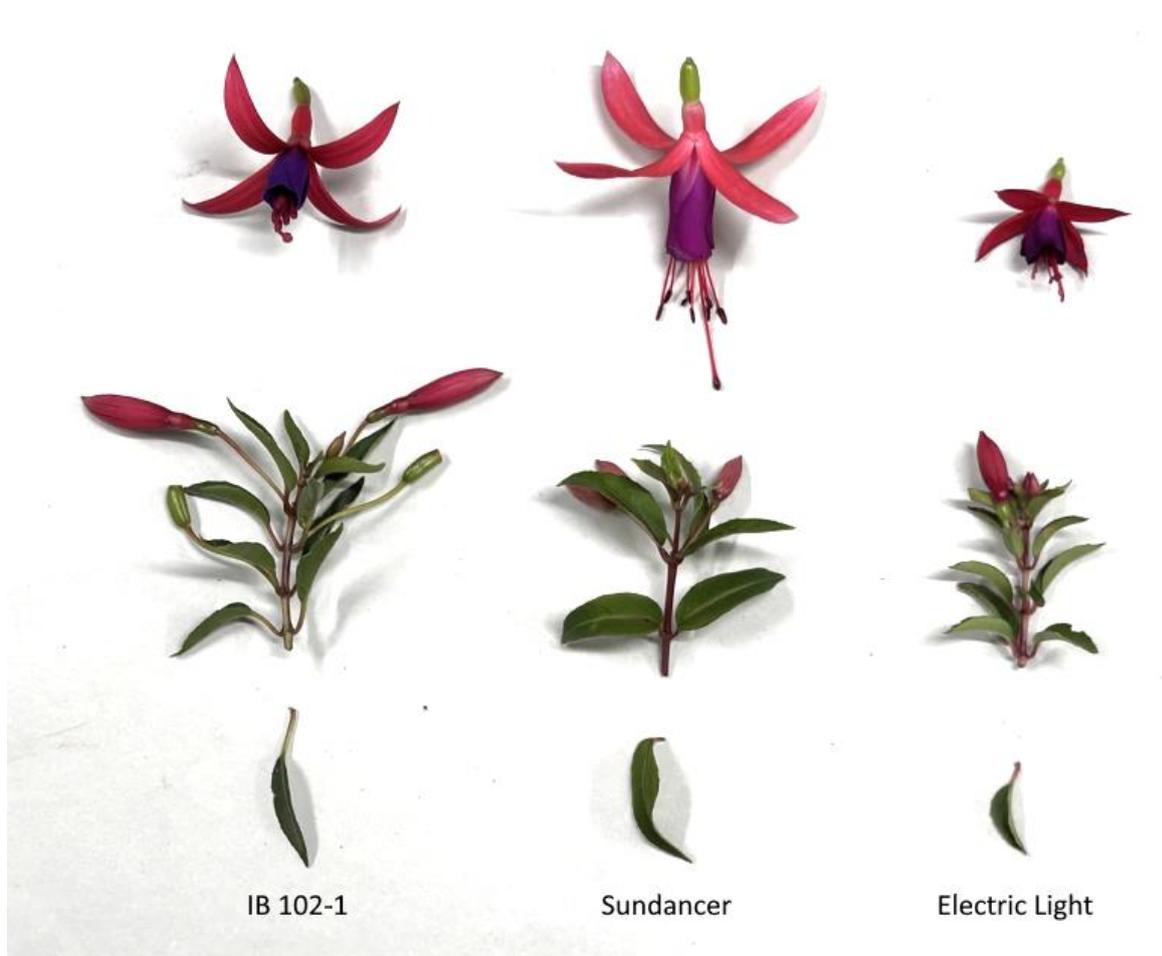
Organ/Plant Part: Context	'IB 102-1'	'Electric Lights'	'Sundancer'
<input type="checkbox"/> Plant: height	short to medium	very short to short	short to medium
<input checked="" type="checkbox"/> Plant: density	dense	very dense	dense
<input type="checkbox"/> Leaf blade: depth of incisions of margin	very weak to weak	weak	weak
<input type="checkbox"/> Leaf blade: shape	lanceolate	lanceolate	lanceolate
<input type="checkbox"/> Flower bud: shape (excluding hypanthium)	ellipsoid	ellipsoid	ellipsoid
<input type="checkbox"/> Petal: shape	obovate	obovate	obovate
<input checked="" type="checkbox"/> Flower: attitude	drooping	horizontal to semi-drooping	drooping
<input checked="" type="checkbox"/> Flower: size	medium to large	small	large

<input type="checkbox"/>	Sepal: colour	pinkish red	pinkish red	pinkish red
<input type="checkbox"/>	Petal: colour	purple	purple	purple
<input checked="" type="checkbox"/>	Flowers: size	medium to large	small	large

Prior Applications: Nil

First sold in Australia in October 2022

Description: Jordan Smark, PGA, VIC



Fuchsia (*Fuchsia x hybrida*) variety 'IB 102-1' with comparators

Details of Application

Application Number	2023/224
Variety Name	'IB 102-7'
Genus Species	<i>Fuchsia</i> x hybrida
Common Name	Hybrid Fuchsia
Accepted Date	11-Dec-2023
Applicant	Plant Growers Australia Pty Ltd., Wonga Park, VIC
Qualified Person	Jordan Smark

Details of Comparative Trial

Location	Wonga Park, VIC
Descriptor	CPVO-TP/FUCHSIA/1 Fuchsia (Fuchsia)
Period	September 2024 - April 2025
Conditions	Trial conducted in the open, plants propagated as cuttings June 2024 and transferred to 140mm pots in September 2024. Pots were filled with soilless, pinebark based mix with controlled release fertilisers. Appropriate pest and disease treatments were applied as required.
Trial Design	Fifteen pots of each variety in a completely randomised design.
Measurements	From ten plants randomly selected.
RHS Chart - edition	Fifth Edition

Origin and Breeding

Controlled pollination: Self-pollination occurred with the parental variety Shadow Dancer Carlotta in March 2020 as part of an ongoing breeding program to produce a selection with red sepals, white petals, single petal type, upright plant habit, plant density dense and short plant height. Seedlings were raised in August 2020 and grown to flowering maturity in summer 2021. At this time several candidates based on the breeding criteria above were selected. These initial selections were grown on for a further 12 months, trialling production performance. In February 2021 a final selection was made who best expressed the breeding criteria. All subsequent generations have remained uniform and stable. Breeder's: Plant Growers Australia, Wonga Park, VIC.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	attitude of shoots	erect
Stem	anthocyanin colouration	present
Leaf blade	variegation	absent
Flower	type	single
Petal	colour	white
Petal	shape	circular
Filament	colour	pink
Style	colour	pink

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Charm Red and White'	
Fuchsita 'Red White'	

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

Organ/Plant Part: Context	'IB 102-7'	'Charm Red and White'	Fuchsita 'Red White'
<input type="checkbox"/> Plant: attitude of shoots	erect	erect	erect
<input type="checkbox"/> Stem: anthocyanin colouration	present	present	present
<input checked="" type="checkbox"/> Stem: intensity of anthocyanin colouration	very weak	weak to medium	weak
<input type="checkbox"/> Leaf blade: length	medium	medium to long	short to medium
<input type="checkbox"/> Leaf blade: width	medium to broad	medium	medium
<input type="checkbox"/> Leaf blade: variegation	absent	absent	absent
<input checked="" type="checkbox"/> Leaf blade: colour of upper side	medium green to dark green	light green to medium green	medium green to dark green
<input type="checkbox"/> Flower: type	single	single	single
<input checked="" type="checkbox"/> Hypanthium: colour (RHS Colour Chart)	52B	52A	45B
<input checked="" type="checkbox"/> Sepal: attitude	erect	semi-erect	horizontal
<input checked="" type="checkbox"/> Sepal: attitude of cusp	strongly incurving	straight	straight
<input type="checkbox"/> Sepal: main colour of outer side (RHS Colour Chart)	54A	51A	46B
<input type="checkbox"/> Sepal: main colour of inner side (RHS Colour Chart)	55A	51A	46C
<input type="checkbox"/> Petal: main colour of outer side (RHS Colour Chart)	NN155B	NN155B	NN155A
<input type="checkbox"/> Petal: main colour of inner side (RHS Colour Chart)	NN155B	NN155B	NN155A
<input type="checkbox"/> Filament: colour	pink	pink	pink
<input type="checkbox"/> Style: colour	pink	pink	pink
<input checked="" type="checkbox"/> Time of: beginning of flowering	early	early to medium	medium to late

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'IB 102-7'	'Charm Red and White'	Fuchsita 'Red White'
<input checked="" type="checkbox"/> Flower: attitude	drooping	semi-erect	semi-erect
<input type="checkbox"/> Plant: height	short	short to medium	very short to short
<input type="checkbox"/> Leaf blade: depth of incisions of margin	very weak to weak	very weak to weak	absent or very weak
<input type="checkbox"/> Leaf blade: shape	ovate	ovate	oblong
<input checked="" type="checkbox"/> Flower bud: shape (excluding hypanthium)	ellipsoid	globose	globose
<input type="checkbox"/> Flower: size	medium to large	medium to large	medium
<input type="checkbox"/> Sepal: colour	pinkish red	pinkish red	pinkish red
<input type="checkbox"/> Flowers: size	medium to large	medium to large	medium

<input checked="" type="checkbox"/>	Plant: density	dense	dense	very dense
<input type="checkbox"/>	Petal: colour	white	white	white
<input type="checkbox"/>	Petal: shape	circular	circular	circular

Prior Applications: Nil

First sold in Australia in October 2022

Description: Jordan Smark, PGA, VIC



Fuchsia (*Fuchsia x hybrida*) variety 'IB 102-7' with comparators

Details of Application

Application Number	2023/257
Variety Name	'SUNBERG'
Genus Species	<i>Lactuca sativa</i>
Common Name	Lettuce
Accepted Date	28-Mar-2024
Applicant	Enza Zaden Beheer B.V. North Holland, The Netherlands
Agent	Spruson & Ferguson, Bourke Street, Melbourne
Qualified Person	Stephen Kammholz

Details of Comparative Trial

Location	300 Diggers Road, Werribee South, VIC, 3030. Australia.
Descriptor	Lettuce (<i>Lactuca sativa</i>) TG/13/10 Rev.
Period	12-12-2024
Conditions	Trial was grown in the open field. A return to warmer summers in Victoria saw good pressure for bolting and tip burn. No foliar diseases were present. Field was treated as per the commercial field which surrounded. Trial was well grown and extremely uniform.
Trial Design	Randomised complete block design. The candidate was included twice (which represented two separate years of seed production) along with three VCK's selected after screening through several grouping characters. Two replications with 32 plants per replication.
Measurements	As per the UPOV guidelines

Origin and Breeding

Open pollination: 'Sunberg' was developed from a controlled pollination in Spain during 2015. After 6 cycles of single plant selection for head size, core length, heat tolerance, maturity and Bremia resistance, seed batches were screened for uniformity and stability before being bulked and coded E01E.12373. The breeder is Ronald Vriend who developed the variety while under an employment contract with the applicant Enza Zaden Beheer B.V. The Netherlands.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Seed	colour	black
Leaf	anthocyanin colouration	absent
Plant	head formation	closed head
Head	shape in longitudinal section	circular

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Berrugnette'	Summer/Early autumn dark green iceberg.
'Toscana'	Summer dark green iceberg.
'Green Moon'	Spring/Summer/Early autumn dark green iceberg.

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Ludmila'	Head	size	large to very large	medium	
	Leaf	blistering	medium	strong	
	Resistance	nasonovia ribisnigri nr:0	present	absent	
'Quetglas'	Head	beginning of bolting under Id conditions	medium to late	early	
	Head	size	large to very large	medium	
'Malua'	Head	beginning of bolting under Id conditions	medium to late	early	
	Seed	colour	black	white	
'Liston'	Seed	colour	black	white	

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

Organ/Plant Part: Context	'SUNBERG'	'Berruguette'	'Green Moon'	'Toscanas'
<input type="checkbox"/> *Seed: colour	black	black	black	black
<input checked="" type="checkbox"/> Leaf blade: division	entire	entire	entire	lobed
<input checked="" type="checkbox"/> *Plant: diameter	large	large	large	medium
<input type="checkbox"/> *Plant: head formation	closed head	closed head	closed head	closed head
<input type="checkbox"/> Head: degree of overlapping of upper part of leaves (varieties with closed head formation only)	strong	strong	strong	strong
<input checked="" type="checkbox"/> Head: density	dense	medium	dense	very dense
<input checked="" type="checkbox"/> Head: size	large to very large	large to very large	large to very large	medium
<input type="checkbox"/> *Head: shape in longitudinal section	circular	circular	circular	circular
<input type="checkbox"/> Leaf: thickness	thick	thick	thick	thick
<input type="checkbox"/> Leaf: attitude at harvest maturity	erect to semi-erect	erect to semi-erect	erect to semi-erect	erect to semi-erect
<input type="checkbox"/> *Leaf: shape	broad elliptic	broad elliptic	broad elliptic	broad elliptic
<input type="checkbox"/> Leaf: shape of tip	rounded	rounded	rounded	rounded
<input type="checkbox"/> *Leaf: hue of green colour of outer leaves	absent	absent	absent	absent

<input checked="" type="checkbox"/> *Leaf: intensity of colour of outer leaves	dark	medium	dark	medium
<input type="checkbox"/> *Leaf: anthocyanin colouration	absent	absent	absent	absent
<input type="checkbox"/> Leaf: glossiness of upper side	medium to strong	medium to strong	medium to strong	medium to strong
<input checked="" type="checkbox"/> *Leaf: blistering	medium	weak	strong	medium
<input type="checkbox"/> Leaf: size of blisters	medium	medium	medium	medium
<input checked="" type="checkbox"/> *Leaf blade: degree of undulation of margin	medium	weak	medium	strong
<input type="checkbox"/> Leaf blade: incisions of margin on apical part	absent	absent	absent	absent
<input type="checkbox"/> *Leaf blade: depth of incisions on margin on apical part	very shallow	very shallow	very shallow	very shallow
<input type="checkbox"/> Leaf blade: density of incisions on margin on apical part	very sparse	very sparse	very sparse	very sparse
<input type="checkbox"/> Leaf blade: type of incisions on apical part (varieties with shallow incisions on margin on apical part only)	sinuate	sinuate	sinuate	sinuate
<input type="checkbox"/> Leaf blade: venation	flabellate	flabellate	flabellate	flabellate
<input type="checkbox"/> Axillary: sprouting	absent or very weak			
<input checked="" type="checkbox"/> Time of: harvest maturity	medium	medium	early	medium
<input checked="" type="checkbox"/> *Time of: beginning of bolting under long day conditions	medium to late	early	medium to late	medium to late
<input checked="" type="checkbox"/> Plant: height	tall	medium to tall	medium to tall	short to medium
<input type="checkbox"/> Plant: fasciation	absent	absent	absent	absent

Prior Applications and Sales: Nil

Description: Stephen Kammholz, P.O. Box 19, Tullamarine, VIC 3043.



Lettuce (*Lactuca sativa*) variety 'SUNBERG'

Details of Application

Application Number	2023/270
Variety Name	'Evolution'
Genus Species	<i>Phalaris aquatica</i>
Common Name	Phalaris
Accepted Date	11-Jan-2024
Applicant	Upper Murray Seeds, 1696 Cressy Main Road, Cressy, TAS
Qualified Person	Ian Paananen

Details of Comparative Trial

Location	Cressy, TAS
Descriptor	PBR PHAL
Period	2024
Conditions	Field grown, irrigated, spaced and weed matted for weed suppression and managed as a commercial crop at Cressy Research Station, Tasmania.
Trial Design	RCBD with 4 replicates of 4 varieties, 18 plants per replicate
Measurements	from 15 plants per replicate, 1 per plant
RHS Chart - edition	n/a

Origin and Breeding

Controlled pollination: Initial selection from a long-term stand of 'Stockman' at Tooma, NSW in 2011. Plants were potted and any off types culled over several years. Remaining material then allowed to poly cross. Progeny from the Poly Cross was planted in spaced rows and again selected for DUS characteristics. After this the progeny became 'M1'. The 'M1' seed was planted to a breeder's block at Cressy, TAS where it was regularly monitored and maintained. It was concluded to be a stable line maintaining its distinct characteristics. Breeder's: Stewart Sutherland, Employee of Upper Mussy Seeds Cressy, TAS.

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

Organ/Plant Part Context		State of Expression in Group of Varieties
Plant	growth habit at inflorescence emergence	erect
Plant	natural height at inflorescence emergence	very tall
Plant	vegetative growth habit after vernalisation	semi-erect to erect
Plant	width at inflorescence emergence	narrow
Leaf	intensity of green colour	medium

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Stockman'	parent variety
'Grazier'	

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Holdfast'	Leaf intensity of green colour	medium	light	

'Holdfast' Plant natural height at inflorescence emergence	very tall	tall	Holdfast also has a much shorter inflorescence length
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Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with X

Organ/Plant Part: Context	'Evolution'	'Grazier'	'Stockman'
<input checked="" type="checkbox"/> Plant: winter growth (late July-August)	medium to high	low to medium	medium
<input checked="" type="checkbox"/> Plant: tiller density (late July-August)	high	medium	high
<input checked="" type="checkbox"/> Leaf: length (late July-August)	medium to long	short to medium	short to medium
<input checked="" type="checkbox"/> Leaf: width (late July-August)	broad	medium	medium
<input checked="" type="checkbox"/> Plant: time of inflorescence emergence	early	late	late
<input type="checkbox"/> Plant: growth habit at inflorescence emergence	erect	erect	erect
<input type="checkbox"/> Plant: natural height at inflorescence emergence	very tall	very tall	very tall
<input checked="" type="checkbox"/> Inflorescence: length (when fully expanded)	long to very long	medium to long	long
<input checked="" type="checkbox"/> Flag leaf: length (when fully expanded)	very long	medium to long	medium
<input checked="" type="checkbox"/> Flag leaf: width (same flag leaf as that used for 12)	broad to very broad	medium	medium

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Evolution'	'Grazier'	'Stockman'
<input type="checkbox"/> Plant: vegetative growth habit after vernalisation	semi-erect to erect	semi-erect to erect	semi-erect to erect
<input type="checkbox"/> Leaf: intensity of green colour	medium	medium	medium
<input type="checkbox"/> Plant: width at inflorescence emergence	narrow	narrow	narrow

Statistical Table

Organ/Plant Part: Context	'Evolution'	'Grazier'	'Stockman'
<input checked="" type="checkbox"/> Plant: length of upper internode (mm)			
Mean	519.50	470.50	440.80
Std. Deviation	67.00	73.80	84.20
Lsd/sig	39.23	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Flag leaf: length (mm)			
Mean	277.00	176.20	157.80
Std. Deviation	49.20	46.10	37.20
Lsd/sig	21.89	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Flag leaf: width (mm)			
Mean	18.20	10.20	10.50
Std. Deviation	2.80	1.80	2.20
Lsd/sig	1.18	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Flag leaf: length to width ratio			
Mean	15.40	17.30	15.40
Std. Deviation	3.00	3.40	3.40

Lsd/sig	1.39	P≤0.01	ns
<input checked="" type="checkbox"/> Inflorescence: length (mm)			
Mean	166.20	158.10	148.80
Std. Deviation	23.40	18.80	22.00
Lsd/sig	10.41	ns	P≤0.01
<input checked="" type="checkbox"/> Inflorescence: width (mm)			
Mean	16.50	12.40	13.40
Std. Deviation	2.00	1.60	1.90
Lsd/sig	0.87	P≤0.01	P≤0.01

Prior Applications and sales: Nil

Description: Ian Paananen, Crop & Nursery Services, MacMasters Beach, NSW



Evolution
Generation 1

Evolution
Generation 2

Stockman

Grazier

Phalaris (*Phalaris aquatica*) variety 'Evolution' with comparators

Details of Application

Application Number	2023/275
Variety Name	'AFRCLSC02'
Genus Species	<i>Capsicum annuum</i>
Common Name	Sweet Pepper
Accepted Date	09-Jan-2024
Applicant	Levon Cookson, Bowen, QLD, Australia
Agent	Levon Cookson, Bowen, QLD, Australia
Qualified Person	David Gillespie

Details of Comparative Trial

Location	Ormiston Queensland, Department of Primary Industries Research Facility
Descriptor	TG/76/9
Period	2024
Conditions	Overhead irrigation system on deep red krasnozem soil. Plants transplanted on 21/10/2024. Pre-plant fertiliser was broadcast in a narrow band and rotary hoed in. A side dress of urea was applied on 01/11/2024. Weeds were removed periodically when very small. Plants were spaced at 40 cm apart within the row.
Trial Design	Randomised complete block with 3 replicates, 24 plants per datum plot.
Measurements	As per UPOV TG
RHS Chart - edition	Edition 5

Origin and Breeding

Controlled pollination: in the early phase of development, a cross between 'Chocolate Beauty' and 'AFRCLSR01' ('Mini Red') was carried out. Several backcrosses to 'Mini Red' and self pollinations were performed to produce a mini chocolate coloured variety called 'AFRCLSC02' that had a trapezoid shape like 'Mini Red'. Single plant selections were performed on populations between 1000 and 3000 plants per generation. The main selection criteria were fruit shape, colour, sweetness and quality. First observations on the fixed line were made in 2019 at 44E Bolt Street, Bowen QLD Australia 4805. Other observations were at the Department of Agriculture and Fisheries Bowen Research Facility. Ten cycles of selection were carried out prior to fixing the line. Lots used for the trial were lot 2023-A82 and lot 2024-A82-1 of 'AFRCLSC02' and lot V-CAP-03-0002 of 'Chocolate Beauty' the comparison variety that was provided for the trial. Breeder: Levon Cookson, Bowen, QLD, Australia.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Seedling	anthocyanin coloration of hypocotyl	present
Fruit	colour at maturity	brown
Stem nodes	anthocyanin coloration	present
Fruit	capsaicin content in placenta	absent or very weak
Plant	shortened internode in upper part	present

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Chocolate Beauty'	Similar to the candidate variety in the above characteristics.

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'AFRCLSR01'	fruit colour at maturity	brown (chocolate)	Red	

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

Organ/Plant Part: Context	'AFRCLSC02'	'Chocolate Beauty'
<input type="checkbox"/> Seedling: anthocyanin colouration of hypocotyl	present	present
<input type="checkbox"/> Plant: habit	upright	upright
<input type="checkbox"/> Plant: height	short	short to medium
<input type="checkbox"/> Plant: shortened internodes	present	present
<input type="checkbox"/> Plant present: number of internodes between the first flower and shortened internodes	none	none
<input type="checkbox"/> Stem: length	medium	medium
<input type="checkbox"/> Stem: intensity of anthocyanin colouration of nodes	strong	strong to very strong
<input type="checkbox"/> Stem: hairiness of nodes	very weak to weak	absent or very weak
<input checked="" type="checkbox"/> Leaf blade: length	short	medium
<input type="checkbox"/> Leaf blade: width	narrow to medium	medium
<input type="checkbox"/> Leaf blade: ratio length/width	high	high
<input type="checkbox"/> Leaf blade: intensity of green colour	light	light
<input type="checkbox"/> Leaf blade: intensity of anthocyanin colouration of upper side	absent or very weak	absent or very weak
<input type="checkbox"/> Leaf blade: distribution of anthocyanin colouration of lower side	absent	absent
<input type="checkbox"/> Leaf blade: variegation	absent	absent
<input type="checkbox"/> Leaf blade: undulation of margin	weak to medium	weak
<input type="checkbox"/> Leaf blade: blistering	weak	very weak to weak
<input type="checkbox"/> Leaf blade: glossiness	weak	weak
<input checked="" type="checkbox"/> Time of beginning of flowering	early	medium to late
<input type="checkbox"/> Flower: attitude of pedicel	semi-drooping	semi-drooping
<input type="checkbox"/> Flower: colour	white	white
<input type="checkbox"/> Flower: anthocyanin colouration of anther	present	present
<input type="checkbox"/> Flower: anthocyanin coloration of filament	absent	absent
<input type="checkbox"/> Male sterility	absent	absent
<input type="checkbox"/> Immature fruit: colour	greenish white	greenish white
<input type="checkbox"/> Immature fruit: intensity of colour	light	light
<input type="checkbox"/> Immature fruit: anthocyanin colouration	absent or weak	absent or weak
<input type="checkbox"/> Fruit: attitude	drooping	drooping
<input checked="" type="checkbox"/> Fruit: length	short	medium

<input checked="" type="checkbox"/> Fruit: diameter	small	medium
<input type="checkbox"/> Fruit: ratio length/diameter	high	high
<input type="checkbox"/> Fruit: shape in longitudinal section	trapezoid	trapezoid
<input type="checkbox"/> Fruit: curvature	absent	absent
<input type="checkbox"/> Fruit: twisting	absent or weak	absent or weak
<input checked="" type="checkbox"/> Fruit: shape in cross section	elliptic	angular
<input type="checkbox"/> Fruit: situation of pericarp at basal part	absent or very weak	absent or very weak
<input type="checkbox"/> Fruit: situation of pericarp excluding basal part	absent or weak	absent or weak
<input checked="" type="checkbox"/> Fruit: shape of apex	moderately acute	rounded
<input type="checkbox"/> Fruit: texture of surface	smooth or weakly wrinkled	smooth or weakly wrinkled
<input type="checkbox"/> Fruit: colour	brown	brown
<input type="checkbox"/> Fruit: intensity of colour	dark	dark
<input type="checkbox"/> Fruit: glossiness	strong	strong to very strong
<input checked="" type="checkbox"/> Fruit: depth of stalk cavity	absent or very shallow	medium
<input type="checkbox"/> Fruit: depth of interloculary grooves	absent or very shallow	absent or very shallow
<input type="checkbox"/> Fruit: number of locules	equally two and three	predominantly three
<input type="checkbox"/> Fruit: thickness of flesh	thin to medium	medium
<input type="checkbox"/> Fruit: capsaicin in placenta	absent	absent
<input type="checkbox"/> Fruit: seeds	present	present
<input checked="" type="checkbox"/> Stalk: length	short	long
<input checked="" type="checkbox"/> Stalk: thickness	thin	medium to thick
<input checked="" type="checkbox"/> Calyx: aspect	semi enveloping	non enveloping
<input type="checkbox"/> Time of maturity	medium	medium to late

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'AFRCLSC02'	'Chocolate Beauty'
<input checked="" type="checkbox"/> Fruit: % dry weight	high	low
<input checked="" type="checkbox"/> Fruit: brix %	high	low to medium
<input checked="" type="checkbox"/> Leaf: colour	RHS 140B	RHS 135C
<input type="checkbox"/> Fruit: colour at maturity	RHS 178A	RHS 178B

Prior Applications:

Nil

First sold in Australia in July 2023.

Description: David Gillespie, Ormiston, QLD, 4610.



'AFRCLSC02'

'Chocolate Beauty'



Sweet Pepper (*Capsicum annuum*) variety 'AFRCLSC02' showing differences in characteristics from comparator 'Chocolate Beauty'

Details of Application

Application Number	2024/017
Variety Name	'HIKARIO'
Genus Species	<i>Lactuca sativa</i>
Common Name	Lettuce
Accepted Date	04-Jun-2024
Applicant	Syngenta Crop Protection AG, Basel, Switzerland
Agent	Syngenta Australia Pty Ltd, Macquarie Park, NSW Australia
Qualified Person	David Gillespie

Details of Comparative Trial

Overseas Testing Authority	Naktuinbouw, Netherlands
Overseas Data Reference Number	SLA4718
Location	Naktuinbouw, Roelofarendsveen, Netherlands
Descriptor	TP/13/6 Rev d.d. 15-02-2019, modified to TG/13/11
Period	2021-2022
Conditions	n/a
Trial Design	n/a
Measurements	as per TP/13/6 Rev d.d. 15-02-2019
RHS Chart - edition	n/a

Origin and Breeding

Controlled pollination: A cross was made between two Syngenta lines. The F1 seed was sown during 2013 at Torre-Pacheco, Spain. F1 plants were selected by phenotyping and molecular markers to confirm the cross. Further work was conducted at Enkhuizen the Netherlands and the final selections known as the variety 'Hikario' were chosen and grown in the Netherlands and Japan. The selection criteria were *Bremia lactucae* resistances, leaf colour and thickness, plant weight, bolting and tip-burn tolerance. There were seven cycles of selection before fixing the line ensuring uniformity and stability of the variety. Breeder: Syngenta Crop Protection AG, Basel, Switzerland.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	type	oakleaf
Leaf	anthocyanin colouration	absent or very weak
Seed	colour	black
Plant	time of beginning of bolting	very late
Resistance to	<i>Bremia lactucae</i> (Bl) isolate Bl: 16 EU	present
Resistance to	<i>Bremia lactucae</i> (Bl) isolate Bl: 29 EU	present

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Sirula'	Similar to the candidate with the above grouping characteristics.

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

Organ/Plant Part: Context	'HIKARIO'	'Sirula'
<input type="checkbox"/> Seed: colour	black	
<input checked="" type="checkbox"/> Plant: diameter	small	small to medium

<input type="checkbox"/>	Plant: degree of overlapping of upper part of leaves	absent or weak	
<input type="checkbox"/>	Plant: number of leaves	few to medium	
<input type="checkbox"/>	Leaf: attitude	semi-erect	
<input type="checkbox"/>	Leaf: number of divisions	few	
<input type="checkbox"/>	Leaf: width of lobes	narrow	
<input type="checkbox"/>	Leaf: anthocyanin colouration	absent or very weak	
<input type="checkbox"/>	Leaf: colour	yellowish green	
<input type="checkbox"/>	Leaf: intensity of green colour	light to medium	
<input type="checkbox"/>	Leaf: glossiness of upper side	weak	
<input type="checkbox"/>	Leaf: thickness	medium	
<input type="checkbox"/>	Leaf: blistering	medium	
<input type="checkbox"/>	Leaf: size of blisters	small	
<input type="checkbox"/>	Leaf: undulation of margin	weak	
<input type="checkbox"/>	Leaf: type of incisions of margin	crenate	
<input type="checkbox"/>	Leaf: depth of incisions of margin	medium to deep	
<input type="checkbox"/>	Leaf: density of incisions of margin	sparse to medium	
<input type="checkbox"/>	Leaf: venation	not flabellate	
<input type="checkbox"/>	Plant: time of beginning of bolting	very late	
<input type="checkbox"/>	Plant: axillary sprouting	absent or weak	
<input type="checkbox"/>	Bolting stem: fasciation	medium to strong	
<input type="checkbox"/>	Resistance to <i>Bremia lactucae</i> (Bl) Isolate Bl: 16	present	
<input type="checkbox"/>	Resistance to <i>Bremia lactucae</i> (Bl) Isolate Bl: 17	present	
<input type="checkbox"/>	Resistance to <i>Bremia lactucae</i> (Bl) Isolate Bl: 20	present	
<input type="checkbox"/>	Resistance to <i>Bremia lactucae</i> (Bl) Isolate Bl: 21	present	
<input type="checkbox"/>	Resistance to <i>Bremia lactucae</i> (Bl) Isolate Bl: 22	present	
<input type="checkbox"/>	Resistance to <i>Bremia lactucae</i> (Bl) Isolate Bl: 23	present	
<input type="checkbox"/>	Resistance to <i>Bremia lactucae</i> (Bl) Isolate Bl: 26	present	
<input type="checkbox"/>	Resistance to <i>Bremia lactucae</i> (Bl) Isolate Bl: 27	present	
<input type="checkbox"/>	Resistance to <i>Bremia lactucae</i> (Bl) Isolate Bl: 29	present	
<input type="checkbox"/>	Resistance to <i>Bremia lactucae</i> (Bl) Isolate Bl: 30	present	
<input type="checkbox"/>	Resistance to <i>Bremia lactucae</i> (Bl) Isolate Bl: 31	present	
<input checked="" type="checkbox"/>	Plant: Resistance to Lettuce mosaic virus (LMV) Pathotype II	absent	present
<input checked="" type="checkbox"/>	Resistance to <i>Nasonovia ribisnigri</i> (Nr): 0	absent	present

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'HIKARIO'	'Sirula'
<input type="checkbox"/> resistance to: <i>Bremia lactucae</i> Isolate Bl:33	present	
<input type="checkbox"/> resistance to: <i>Bremia lactucae</i> Isolate Bl:35	present	

Prior Applications and Sales:

Country	Year	Status	Name Applied
European Union	2022	Granted	'HIKARIO'
Netherlands	2021	Granted	'HIKARIO'
Japan	2022	Pending	'HIKARIO'

First sold in Japan in April 2023.

Description: David Gillespie, Ormiston QLD



Lettuce (*Lactuca sativa*) variety 'HIKARIO'

Details of Application

Application Number	2024/028
Variety Name	'Da Ross'
Genus Species	<i>Solanum tuberosum</i>
Common Name	Potato
Accepted Date	20-Mar-2024
Applicant	G Trimboli & Sons Pty Ltd, Virginia, SA.
Qualified Person	John Fennell

Details of Comparative Trial

Location	Waikerie SA
Descriptor	Potato (<i>Solanum tuberosum</i>) TG/23/6
Period	September 2024 to March 2025
Conditions	Plantlets ex quarantine raised from tissue cultures and planted into potting mix in 200mm diameter plastic pots on 19 September 2024. Pots placed on benches in a screened polythene clad greenhouse.
Trial Design	Sixty plants of the candidate and comparator varieties were planted and placed next to each other for direct visual comparison.
Measurements	Observations of foliage and flowers, where present, were taken on 8 November 2024. Tubers were harvested between 10 December and 13 December 2024 and placed in cool store on 20 December 2024. Tubers were recorded on 4 February 2025. Tubers were then placed under illumination and the recording of lightsprouts commenced on 22 March 2025.
RHS Chart - edition	n/a

Origin and Breeding

Controlled pollination: The variety 'Lady Christl' was pollinated by the variety 'Ratte' in the Agriculture Victoria Potato Breeding Program at Toolangi, Victoria in 2015. Subsequently selection trials were done by G. Trimboli & Sons Pty Ltd at Virginia, SA and in the Riverland with the main selection criteria being marketable yield, maturity time, tuber appearance, disease resistances, cooking quality and storability. Breeding line '3621' was selected and released as 'Da Ross'. There have been no commercial sales. The variety is named in memory of the late Ross Trimboli who did the selection work. Breeder: G Trimboli & Sons Pty Ltd, Virginia, SA.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Tuber	shape	long oval
Tuber	depth of eyes	shallow
Tuber	skin colour	yellow

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Lady Christl'	maternal parent

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Nectar'	tuber colour at base	yellow	pink	

of eye

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

Organ/Plant Part: Context	'Da Ross'	'Lady Christl'
<input checked="" type="checkbox"/> Lightsprout: size	medium	large
<input checked="" type="checkbox"/> *Lightsprout: shape	broad cylindrical	conical
<input type="checkbox"/> *Lightsprout: intensity of anthocyanin colouration	medium	medium
<input type="checkbox"/> *Lightsprout: proportion of blue in anthocyanin colouration of base	absent or low	absent or low
<input type="checkbox"/> *Lightsprout: pubescence of base	weak to medium	weak
<input type="checkbox"/> Lightsprout: size of tip in relation to base	small	small
<input type="checkbox"/> Lightsprout: habit of tip	intermediate	closed to intermediate
<input type="checkbox"/> Lightsprout: anthocyanin colouration of tip	medium	weak
<input type="checkbox"/> Lightsprout: pubescence of tip	weak to medium	weak to medium
<input type="checkbox"/> *Lightsprout: number of root tips	medium	few to medium
<input type="checkbox"/> Lightsprout: length of lateral shoots	medium	medium
<input type="checkbox"/> *Plant: growth habit	semi-upright	spreading
<input type="checkbox"/> *Stem: anthocyanin colouration	absent or very weak	absent or very weak
<input type="checkbox"/> Leaf: outline size	medium	large
<input type="checkbox"/> Leaf: openness	intermediate	intermediate to open
<input type="checkbox"/> Leaf: presence of secondary leaflets	strong	strong
<input type="checkbox"/> Leaf: green colour	medium	light to medium
<input type="checkbox"/> Leaf: anthocyanin colouration on midrib of upper side	absent or very weak	absent or very weak
<input type="checkbox"/> Second pair of lateral leaflets: size	medium	medium
<input checked="" type="checkbox"/> Second pair of lateral leaflets: width in relation to length	narrow	medium
<input checked="" type="checkbox"/> Terminal and lateral leaflets: frequency of coalescence	absent or very low	low
<input checked="" type="checkbox"/> Leaflet: waviness of margin	medium	weak
<input checked="" type="checkbox"/> Leaflet: depth of veins	medium	shallow
<input type="checkbox"/> Leaflet: glossiness of the upperside	dull to medium	dull
<input type="checkbox"/> *Tuber: shape	long-oval	long-oval
<input type="checkbox"/> Tuber: depth of eyes	shallow	shallow
<input type="checkbox"/> *Tuber: colour of skin	yellow	yellow
<input type="checkbox"/> *Tuber: colour of base of eye	yellow	yellow
<input type="checkbox"/> *Tuber: colour of flesh	medium yellow	medium yellow
<input type="checkbox"/> Tuber: anthocyanin colouration of skin in reaction to light (light beige and yellow skinned varieties only)	weak	absent or very weak

Prior Applications and Sales: Nil

Description: John Fennell, Littlehampton, SA.



Potato (*Solanum tuberosum*) variety 'Da Ross'

Details of Application

Application Number	2024/034
Variety Name	'N 0507'
Genus Species	<i>Solanum lycopersicum L.</i>
Common Name	Tomato
Accepted Date	02-May-2024
Applicant	Nunhems Netherlands B.V., Napoleonsweg 152, Nunhem, The Netherlands
Agent	Spruson & Ferguson, Sydney, NSW
Qualified Person	Michael Christie

Details of Comparative Trial

Overseas Testing Authority	Naktuinbouw, The Netherlands
Overseas Data Reference Number	TMT3521
Location	Naktuinbouw, ROELOFARENDSVEEN, The Netherlands
Descriptor	TP/44/4
Period	2020 - 2021
Conditions	As according UPOV Guidelines
Trial Design	As according UPOV Guidelines
Measurements	As according UPOV Guidelines
RHS Chart - edition	n/a

Origin and Breeding

Conventional breeding: Selecting 2 parent lines from a population until fixation by 9 or more inbreeding steps. These are then used as parent lines which are crossed to make an F1 hybrid. The variety is derived from controlled cross-pollination between the maternal line (TO2392) and the other parental line (TO2388). Breeders: Stefano Carli, as an employee of Nunhems, Via Ghiarone 2, S. Agata Bolognese, Bologna, 40019, Italy.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	growth type	determinate
Peduncle	abscission layer	absent
Fruit	green shoulder (before maturity)	absent
Fruit	green stripes (before maturity)	absent
Fruit	size	medium
Fruit	shape in longitudinal section	obovate (to oblong)
Fruit	number of locules	two and three
Fruit	colour at maturity	red
Plant	resistance to <i>Meloidogyne incognita</i> resistance	highly resistant
Plant	resistance to <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> , race 0 (ex 1)	present
Plant	resistance to <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> , race 1 (ex 2)	present
Plant	resistance to <i>Tomato Mosaic Virus (ToMV)</i> , strain 0	absent
Plant	Resistance to <i>Tomato Spotted Wilt Virus (TSWV)</i> , race 0	absent

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Delfo'	

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

Organ/Plant Part: Context	'N 0507'	'Delfo'
<input type="checkbox"/> Seedling: anthocyanin colouration of hypocotyl (seed-propagated varieties only)	present	
<input type="checkbox"/> *Plant: growth type	determinate	
<input type="checkbox"/> Plant: number of inflorescences on main stem (side shoots to be removed) (varieties with plant growth type determinate only)	few to medium	
<input type="checkbox"/> Stem: anthocyanin colouration	weak to medium	
<input type="checkbox"/> *Leaf: attitude	semi-drooping	
<input type="checkbox"/> Leaf: length	long	
<input type="checkbox"/> Leaf: width	broad to very broad	
<input type="checkbox"/> *Leaf: type of blade	bipinnate	
<input type="checkbox"/> Leaf: size of leaflets	medium to large	
<input checked="" type="checkbox"/> Leaf: intensity of green colour	medium	medium to dark
<input type="checkbox"/> Leaf: glossiness	weak to medium	
<input type="checkbox"/> Leaf: blistering	weak to medium	
<input type="checkbox"/> Leaf: attitude of petiole of leaflet in relation to main axis	semi-erect to horizontal	
<input type="checkbox"/> Inflorescence: type	mainly uniparous	
<input type="checkbox"/> *Flower: colour	yellow	
<input type="checkbox"/> Flower: pubescence of style	present	
<input type="checkbox"/> *Peduncle: abscission layer	absent	
<input type="checkbox"/> *Fruit: green shoulder (before maturity)	absent	
<input type="checkbox"/> *Fruit: intensity of green colour excluding shoulder (before maturity)	light to medium	
<input type="checkbox"/> Fruit: green stripes (before maturity)	absent	
<input type="checkbox"/> *Fruit: size	medium	
<input type="checkbox"/> *Fruit: ratio length/diameter	moderately elongated	
<input type="checkbox"/> *Fruit: shape in longitudinal section	obovate	
<input type="checkbox"/> *Fruit: ribbing at peduncle end	weak to medium	
<input type="checkbox"/> Fruit: depression at peduncle end	weak	
<input type="checkbox"/> Fruit: size of peduncle scar	medium	
<input type="checkbox"/> Fruit: size of blossom scar	small	
<input checked="" type="checkbox"/> Fruit: shape at blossom end	indented to flat	flat

<input type="checkbox"/>	Fruit: diameter of core in cross section in relation to total diameter	large
<input type="checkbox"/>	Fruit: thickness of pericarp	medium
<input type="checkbox"/>	*Fruit: number of locules	two and three
<input type="checkbox"/>	*Fruit: colour (at maturity)	red
<input type="checkbox"/>	*Fruit: colour of flesh (at maturity)	red
<input type="checkbox"/>	Fruit: glossiness of skin	medium
<input checked="" type="checkbox"/>	*Fruit: firmness	medium to firm firm to very firm
<input type="checkbox"/>	Time of: flowering	medium to late
<input type="checkbox"/>	*Time of: maturity	medium to late
<input type="checkbox"/>	*Resistance to: <i>Meloidogyne incognita</i> (Mi)	highly resistant
<input type="checkbox"/>	*Resistance to: <i>Verticillium</i> sp. (Va and Vd) – Race 0	present
<input type="checkbox"/>	Resistance to: <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> (Fol) – Race 0 (ex 1)	present
<input type="checkbox"/>	Resistance to: <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> (Fol) – Race 1 (ex 2)	present
<input type="checkbox"/>	Resistance to: <i>Tomato Mosaic Virus</i> (ToMV) – Strain 0	absent
<input type="checkbox"/>	Resistance to: <i>Tomato Mosaic Virus</i> (ToMV) – Strain 1	absent
<input type="checkbox"/>	Resistance to: <i>Tomato Mosaic Virus</i> (ToMV) – Strain 2	absent
<input type="checkbox"/>	Resistance to: <i>Pseudomonas syringae</i> pv. <i>tomato</i> (Pst)	present
<input type="checkbox"/>	Resistance to: <i>Tomato Spotted Wilt Virus</i> (TSWV) - Race 0	absent

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2020	Granted	'N 0507'
The Netherlands	2019	Granted	'N 0507'
Russia	2019	Granted	'N 0507'
Ukraine	2020	Granted	'N 0507'

First sold in Italy in March 2020

Description: Michael Christie, Spruson & Ferguson Pty Limited, Darling Park, 201 Sussex Street, Sydney NSW.



Tomato (*Solanum lycopersicum*) variety 'N 0507'

Details of Application

Application Number	2024/080
Variety Name	'DrisBlueTwentyOne'
Genus Species	<i>Vaccinium corymbosum</i>
Common Name	Blueberry
Accepted Date	01-May-2024
Applicant	Driscoll's Inc, 345 Westridge Drive, Watsonville, California, USA
Agent	AJ Park, Sydney, NSW
Qualified Person	Bryan Nemire

Details of Comparative Trial

Overseas Testing Authority	USPTO
Overseas Data Reference Number	PP32,267
Location	520 Evandale Road, Evandale, TAS
Descriptor	UPOV/TG/137/5
Period	June, 2019 to January, 2025
Conditions	Grown in substrate under bird net using standard blueberry growing practices
Trial Design	Randomised block design used to verify United States published description
Measurements	Taken from randomly selected plants in accordance with UPOV terminology and guidelines
RHS Chart - edition	5th Edition

Origin and Breeding

Controlled pollination: Blueberry plant variety 'DrisBlueTwentyOne' was discovered in Santa Cruz County, California in September of 2006 and originated from a cross between the proprietary female parent blueberry plant '136D 2' (unpatented) and the proprietary male parent blueberry plant '181C 1' (unpatented). The original seeding of the new variety was first asexually propagated via softwood cuttings in Monterey County, California in 2008. 'DrisBlueTwentyOne' was subsequently asexually propagated via softwood cuttings and underwent further testing in Santa Cruz County, Calif. for eleven years (2008 to 2019). The present blueberry variety has been found to be stable and reproduce true to type through successive asexual propagations via softwood cuttings and tissue culture. Breeder's: Brian K. Caster; Jennifer K. Izzo Watsonville, CA, USA.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	growth habit	semi-upright
Leaf	margin	entire
Plant	fruiting type	on one-year-old shoots only
One-year-old shoot	time of beginning of fruit ripening	early to medium
Leaf	shape	elliptic

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'DrisBlueFourteen'	

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

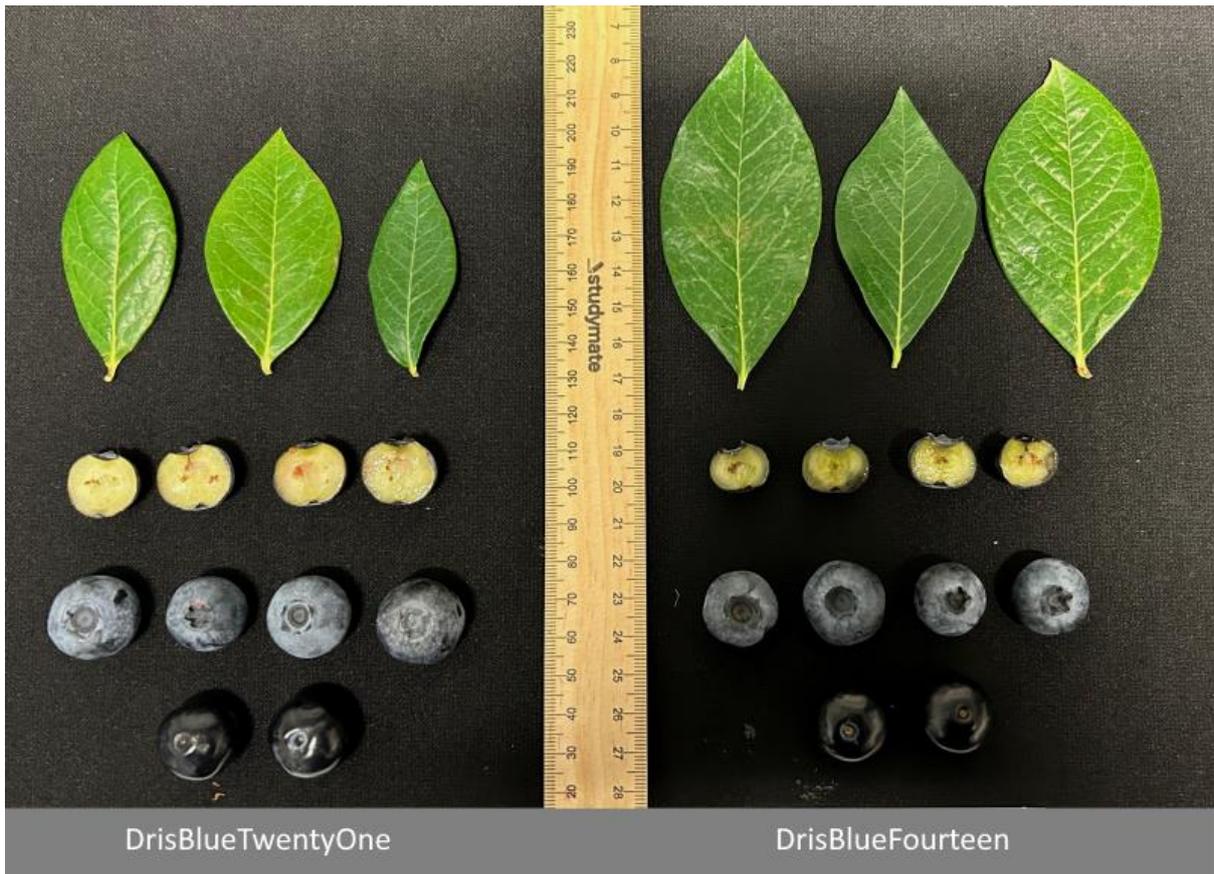
Organ/Plant Part: Context	'DrisBlueTwentyOne'	'DrisBlueFourteen'
<input type="checkbox"/> Plant: vigour	strong	strong
<input type="checkbox"/> Plant: growth habit	semi-upright	semi-upright
<input type="checkbox"/> One-year-old shoot: colour	green	greenish red
<input type="checkbox"/> One-year-old shoot: length of internode	short to medium	medium
<input checked="" type="checkbox"/> Leaf: length	short to medium	medium to long
<input checked="" type="checkbox"/> Leaf: width	narrow to medium	medium to broad
<input type="checkbox"/> Leaf: ratio length/width	medium to high	medium
<input type="checkbox"/> Leaf: shape	elliptic	elliptic
<input type="checkbox"/> Leaf: colour of upper side	medium green	medium green
<input type="checkbox"/> Leaf: margin	entire	entire
<input type="checkbox"/> Leaf: glaucosity on upper side	absent or weak	absent or weak
<input checked="" type="checkbox"/> Inflorescence: density	dense	medium
<input type="checkbox"/> Fruit: size	medium to large	medium to large
<input type="checkbox"/> Fruit: shape in longitudinal section	circular	circular
<input type="checkbox"/> Fruit: attitude of sepals	straight	straight
<input type="checkbox"/> Fruit: diameter of calyx basin	medium	medium
<input checked="" type="checkbox"/> Fruit: depth of calyx basin	absent or shallow	medium
<input type="checkbox"/> Fruit: intensity of bloom	medium	medium to strong
<input type="checkbox"/> Fruit: colour of skin	dark blue	blackish blue
<input type="checkbox"/> Fruit: sweetness	low	medium to high
<input type="checkbox"/> Fruit: acidity	medium	low to medium
<input type="checkbox"/> Plant: fruiting type	on one-year-old shoots only	on one-year-old shoots only
<input type="checkbox"/> One-year-old shoot: time of beginning of fruit ripening	early to medium	early to medium

Prior Applications and Sales:

Country	Year	Status	Name Applied
Canada	2020	Granted	'DrisBlueTwentyOne'
China	2020	Applied	'DrisBlueTwentyOne'
Chile	2021	Applied	'DrisBlueTwentyOne'
EU	2020	Applied	'DrisBlueTwentyOne'
Mexico	2020	Granted	'DrisBlueTwentyOne'
USA	2019	Granted	'DrisBlueTwentyOne'

Prior Sales: Nil

Description: Bryan Nemire, North Boambee Valley, NSW.



Blueberry (*Vaccinium Corymbosum*) 'DrisBlueTwentyOne' with comparator 'DrisBlueFourteen'

Details of Application

Application Number	2024/155
Variety Name	'DrisRaspTwentyOne'
Genus Species	<i>Rubus idaeus</i> L.
Common Name	Raspberry
Accepted Date	17-Jul-2024
Applicant	DRISCOLL'S, INC, 345 Westridge Drive, Watsonville, California, USA
Agent	AJ Park, Sydney, NSW
Qualified Person	Bryan Nemire

Details of Comparative Trial

Overseas Testing Authority	USPTO
Overseas Data Reference Number	PP33,758
Location	520 Evandale Road, Evandale, Tasmania 7212
Descriptor	TG/43/7
Period	September 2023 to January 2025
Conditions	Grown in substrate under plastic tunnels using standard raspberry growing practices
Trial Design	Randomised Block Design used to verify United States published description
Measurements	Taken from randomly selected plants in accordance with UPOV terminology and guidelines
RHS Chart - edition	5th Edition

Origin and Breeding

Controlled pollination: Raspberry plant variety 'DrisRaspTwentyOne' was discovered in Santa Cruz County, California in October of 2016 and originated from a cross between the female parent 'DrisRaspTwelve' (U.S. Plant Pat. No. 30,577) and the proprietary male parent 'RC448.4' (unpatented). The original seedling of the new variety was first asexually propagated in Santa Cruz County, California via root cuttings in October 2016. 'DrisRaspTwentyOne' was subsequently asexually propagated via root cuttings, and has undergone testing in Santa Cruz County, California for four years (2016 to 2020). The present variety has been found to be stable and reproduce true to type through successive asexual propagations via root cuttings, tip cuttings, and tissue culture. Breeder's: Matthias D. Vitten; Kyle Rak; Luis Miguel Rodriguez; James Heilig, DRISCOLL'S, INC, 345 Westridge Drive, Watsonville, California, USA.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Spines	presence	present
Fruit	main bearing type	both previous year's cane in summer & current year's cane in autumn
Plant	Time of beginning of flowering on previous years cane (varieties which fruit on previous year's cane in summer)	medium
Plant	Time of beginning of fruit ripening on previous year's cane (varieties which fruit on previous year's cane in summer)	medium

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'DrisRaspTwenty'	
'Driscolls Maravilla'	

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'DrisRaspSeven'	Current season's cane: bloom	weak	medium	

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

Organ/Plant Part: Context	'DrisRaspTwentyOne'	'Driscolls Maravilla'	'DrisRaspTwenty'
<input type="checkbox"/> Plant: habit	upright	upright	semi-upright
<input type="checkbox"/> *Plant: number of current season's canes	medium to many	medium to many	many to very many
<input type="checkbox"/> Current season's cane: bloom	weak	weak	weak to medium
<input type="checkbox"/> Current season's cane: anthocyanin colouration	weak	medium	weak to medium
<input type="checkbox"/> Current season's cane: length of internode	short to medium	medium	medium
<input checked="" type="checkbox"/> Current season's cane: length of vegetative bud	medium to long	short	medium
<input type="checkbox"/> *Current season's cane: length (varieties which fruit on current season's cane in autumn)	short	long	medium
<input type="checkbox"/> *Spines: presence	present	present	present
<input type="checkbox"/> *Spines: density (varieties with spines present only)	medium	dense	dense
<input checked="" type="checkbox"/> Spines: size of base (varieties with spines present only)	small	medium	small
<input type="checkbox"/> Spines: length (varieties with spines present only)	medium	medium to long	medium
<input type="checkbox"/> Spines: colour (varieties with spines present only)	purple	purple	purplish brown
<input type="checkbox"/> *Leaf: green colour of upper side	medium	dark	medium to dark
<input type="checkbox"/> *Leaf: predominant number of leaflets	three	equally three and five	equally three and five
<input type="checkbox"/> Leaf: profile of leaflets in cross section	concave	concave	concave
<input type="checkbox"/> *Leaf: rugosity	medium to strong	very strong	medium to strong
<input checked="" type="checkbox"/> Leaf: relative position of lateral leaflets	free	overlapping	free

<input type="checkbox"/> Terminal leaflet: length	medium	long	long
<input type="checkbox"/> Terminal leaflet: width	medium to broad	broad	medium
<input type="checkbox"/> Pedicel: number of spines	few to medium	medium to many	few to medium
<input type="checkbox"/> *Peduncle: presence of anthocyanin colouration	absent	absent	absent
<input type="checkbox"/> Flower: size	large	medium	medium
<input type="checkbox"/> Fruiting lateral: attitude (varieties which fruit on previous year's cane in summer)	erect	semi-erect	semi-erect
<input type="checkbox"/> *Fruiting lateral: length (varieties which fruit on previous year's cane in summer)	medium to long	long	short
<input type="checkbox"/> *Fruit: length	medium	medium	medium
<input type="checkbox"/> *Fruit: width	medium	medium to broad	medium to broad
<input type="checkbox"/> *Fruit: ratio length/width	large	medium to large	medium to large
<input checked="" type="checkbox"/> *Fruit: general shape in lateral view	trapezoidal	broad conical	broad conical
<input type="checkbox"/> Fruit: size of single drupe	medium	large	large
<input type="checkbox"/> *Fruit: colour	dark red	medium red	medium red
<input type="checkbox"/> Fruit: glossiness	strong	strong	strong
<input type="checkbox"/> *Fruit: main bearing type	both previous year's cone in summer & current year's cone in autumn	both previous year's cone in summer & current year's cone in autumn	both previous year's cone in summer & current year's cone in autumn
<input type="checkbox"/> *Time of: beginning of flowering on previous year's cane (varieties which fruit on previous year's cane in summer)	medium	medium	medium
<input checked="" type="checkbox"/> *Time of: beginning of flowering on current season's cane (varieties which fruit on current year's cane in autumn)	early	late	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	medium
<input checked="" type="checkbox"/> *Time of: beginning of fruit ripening on current year's cane (varieties which fruit on current year's cane in autumn)	early	late	medium
<input type="checkbox"/> Length of: fruiting period on previous year's cane (varieties which fruit on previous year's cane in summer)	short to medium	short to medium	short to medium

Prior Applications and Sales:

Country	Year	Status	Name Applied
Canada	2021	Applied	'DrisRaspTwentyOne'
China	2022	Applied	'DrisRaspTwentyOne'
EU	2020	Granted	'DrisRaspTwentyOne'
Mexico	2023	Granted	'DrisRaspTwentyOne'
Morocco	2024	Applied	'DrisRaspTwentyOne'
UK	2021	Applied	'DrisRaspTwentyOne'
Ukraine	2021	Granted	'DrisRaspTwentyOne'
USA	2020	Granted	'DrisRaspTwentyOne'

Prior Sales: Nil

Description: Bryan Nemire, North Boambee Valley, NSW.



Raspberry (*Rubus idaeus*) variety 'DrisRaspTwentyOne' with comparators

Details of Application

Application Number	2024/165
Variety Name	'Paul Mac'
Genus Species	<i>Persea americana</i>
Common Name	Avocado
Accepted Date	01-Oct-2024
Applicant	Donald Paul MacGregor, Ingham, QLD 4850, Australia.
Qualified Person	Robert Henry

Details of Comparative Trial

Location	Near Ingham QLD Australia
Descriptor	Avocado UPOV TG/97/4
Period	2022-2025
Conditions	The trial was conducted in the field at the site of development using standard practices for nutrition and irrigation. Pest and disease treatments were applied as required. The site is free-draining, sandy loam soil. Plants were propagated by grafting to seedling rootstock.
Trial Design	Five trees of the candidate variety and 3 comparator trees were grown in a randomized field trial.
Measurements	Measurements were made in accordance with UPOV Test Guidelines.
RHS Chart - edition	NA

Origin and Breeding

Spontaneous mutation or sport: The parent was a seedling avocado of unknown parentage. Avocado genotypes were collected from diverse sources. Seedlings were grown together at the selection site with known varieties. The fruit of the seedlings were screened identifying the new variety that lacked a seed. This seedling was then propagated by grafting. Breeder: Donald Paul MacGregor, Ingham, QLD 4850, Australia.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Fruit	time of fruit maturity for harvesting	medium

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Shepard'	

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

Organ/Plant Part: Context	'Paul Mac'	'Shepard'
<input checked="" type="checkbox"/> Tree growth habit	upright	semi-drooping
<input checked="" type="checkbox"/> *Young shoot: colour	red	green
<input checked="" type="checkbox"/> Young shoot: anthocyanin colouration	present	absent
<input checked="" type="checkbox"/> Leaf: attitude	erect	horizontal
<input type="checkbox"/> Leaf blade: folding	flat or slightly concave	flat or slightly concave
<input checked="" type="checkbox"/> Leaf blade: size	large	medium

<input checked="" type="checkbox"/>	Leaf blade: shape	elliptical	lanceolate
<input type="checkbox"/>	Leaf blade: shape of tip	acuminate	acuminate
<input type="checkbox"/>	Leaf blade: twisting of tip	absent	absent
<input checked="" type="checkbox"/>	Leaf blade: undulation of margin	medium	absent or very weak to weak
<input type="checkbox"/>	Leaf blade: relief of venation on upper surface	level	level
<input type="checkbox"/>	Leaf blade: density of pubescence	very sparse	very sparse
<input type="checkbox"/>	*Leaf blade: anise aroma	absent	absent
<input type="checkbox"/>	Inflorescence: flowering type	type B	type B
<input type="checkbox"/>	*Mature fruit: size	medium	medium
<input type="checkbox"/>	*Mature fruit: ratio length/maximum diameter	medium	medium
<input type="checkbox"/>	Mature fruit: stalk cavity	absent	present
<input checked="" type="checkbox"/>	Mature fruit: shape of styler region	flat	rounded
<input type="checkbox"/>	Mature fruit: glossiness	medium	medium
<input checked="" type="checkbox"/>	*Mature fruit: relief of surface	smooth	medium
<input type="checkbox"/>	Mature fruit: persistence of perianth	very weak	very weak to weak
<input checked="" type="checkbox"/>	Mature fruit: width of stalk cavity	medium	broad
<input checked="" type="checkbox"/>	Mature fruit: position of stalk	along axis	oblique
<input checked="" type="checkbox"/>	*Pedicel: length	medium	long
<input type="checkbox"/>	Pedicel: conspicuousness of junction with peduncle	conspicuous	conspicuous
<input type="checkbox"/>	Pedicel: diameter compared to peduncle	larger	larger
<input type="checkbox"/>	*Pedicel: shape	cylindrical	cylindrical
<input type="checkbox"/>	*Pedicel: "nailhead" shape	absent	absent
<input type="checkbox"/>	Pedicel: colour	green	green
<input type="checkbox"/>	Pedicel: surface	wrinkled	wrinkled
<input type="checkbox"/>	*Ripe fruit: colour of skin	dark green	dark green
<input checked="" type="checkbox"/>	*Ripe fruit: thickness of skin	very thin	thin to medium
<input checked="" type="checkbox"/>	Ripe fruit: texture of skin	membranous	leathery
<input type="checkbox"/>	Ripe fruit: adherence of skin to flesh	weak	weak
<input checked="" type="checkbox"/>	Ripe fruit: main colour of flesh	cream	yellow
<input type="checkbox"/>	Ripe fruit: colour of flesh next to skin	pale green	pale green
<input checked="" type="checkbox"/>	Ripe fruit: width of coloured layer of flesh next to skin	wide	medium
<input type="checkbox"/>	Ripe fruit: conspicuousness of fibres in flesh	inconspicuous	inconspicuous
<input type="checkbox"/>	Ripe fruit: texture of flesh	smooth	smooth
<input type="checkbox"/>	Ripe fruit: anise aroma of flesh	absent	absent
<input type="checkbox"/>	Time of: flowering	medium	medium
<input type="checkbox"/>	*Time of: fruit maturity for harvesting	medium	medium

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Paul Mac'	'Shepard'
<input checked="" type="checkbox"/> Seed: presence	absent	present
<input checked="" type="checkbox"/> Fruit: purple blush	present	absent

Statistical Table

Organ/Plant Part: Context	'Paul Mac'	'Shepard'
<input checked="" type="checkbox"/> Fruit: weight (g)		
Mean	175.10	212.4
Std. Deviation	13.40	25.5
Lsd/sig	2.68/ P=0.01	
<input checked="" type="checkbox"/> Fruit: diameter (mm)		
Mean	59.4	66.7
Std. Deviation	3.51	3.31
Lsd/sig	1.13/P=0.01	

Prior Applications and Sales: Nil

Description: Robert Henry, St Lucia QLD 4072



Persea americana (Avocado) 'Paul Mac' shows the difference in seed presence with its comparator 'Shepard'

Details of Application

Application Number	2024/180
Variety Name	'Sunlight'
Genus Species	<i>Solanum tuberosum</i>
Common Name	Potato
Accepted Date	30-Aug-2024
Applicant	IPM Potato Group, Dublin, Ireland.
Agent	IPM Potato Group Ltd, Littlehampton, SA.
Qualified Person	John Fennell

Details of Comparative Trial

Location	Waikerie SA
Descriptor	Potato (<i>Solanum tuberosum</i>) TG/23/6
Period	September 2024 to March 2025
Conditions	Plantlets ex quarantine raised from tissue cultures and planted into potting mix in 200mm diameter plastic pots on 19 September 2024. Pots placed on benches in a screened polythene clad greenhouse
Trial Design	Sixty plants of the candidate and comparator varieties were planted and placed next to each other for direct visual comparison.
Measurements	Observations of foliage and flowers, where present, were taken on 8 November 2024. Tubers were harvested between 10 December and 13 December 2024 and placed in cool store on 20 December 2024. Tubers were recorded on 4 February 2025. Tubers were then placed under illumination and the recording of lightsprouts commenced on 22 March 2025.
RHS Chart - edition	n/a

Origin and Breeding

Controlled pollination: The variety 'Maris Piper' was pollinated by the variety 'Orla' in the Teagasc Potato Breeding Program at Carlow, Ireland in 2007. Subsequently selection trials occurred at multiple sites in Europe and North Africa with the main selection criteria being marketable yield, maturity time, tuber appearance, disease resistances, processing quality and storability. Breeding line 'T53653' was selected and released as 'Sunlight' in 2019. Breeder: Teagasc, Oak Park Research Centre, Carlow, Ireland.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Flower	colour	white
Tuber	shape	oval
Tuber	skin colour	yellow
Tuber	flesh colour	light yellow

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Orla'	paternal parent

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Nectar'	Tuber colour of base of eye	yellow	pink	

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

Organ/Plant Part: Context	'Sunlight'	'Orla'
<input type="checkbox"/> Lightsprout: size	small to medium	medium
<input checked="" type="checkbox"/> *Lightsprout: shape	ovoid	conical
<input checked="" type="checkbox"/> *Lightsprout: intensity of anthocyanin colouration	medium	absent or very weak
<input type="checkbox"/> *Lightsprout: proportion of blue in anthocyanin colouration of base	absent or low	absent or low
<input checked="" type="checkbox"/> *Lightsprout: pubescence of base	medium to strong	medium
<input type="checkbox"/> Lightsprout: size of tip in relation to base	small to medium	small
<input type="checkbox"/> Lightsprout: habit of tip	closed to intermediate	closed
<input checked="" type="checkbox"/> Lightsprout: anthocyanin colouration of tip	weak to medium	absent or very weak
<input type="checkbox"/> Lightsprout: pubescence of tip	weak	absent or very weak
<input type="checkbox"/> *Lightsprout: number of root tips	medium to many	medium to many
<input type="checkbox"/> Lightsprout: length of lateral shoots	short	medium to long
<input type="checkbox"/> Plant: foliage structure	intermediate type	stem type
<input type="checkbox"/> *Plant: growth habit	upright to semi-upright	semi-upright
<input type="checkbox"/> *Stem: anthocyanin colouration	absent or very weak	absent or very weak
<input type="checkbox"/> Leaf: outline size	medium to large	medium
<input type="checkbox"/> Leaf: openness	intermediate	open
<input type="checkbox"/> Leaf: presence of secondary leaflets	medium	medium
<input checked="" type="checkbox"/> Leaf: green colour	medium to dark	light
<input type="checkbox"/> Leaf: anthocyanin colouration on midrib of upper side	absent or very weak	absent or very weak
<input type="checkbox"/> Second pair of lateral leaflets: size	medium to large	medium
<input type="checkbox"/> Second pair of lateral leaflets: width in relation to length	medium	medium
<input type="checkbox"/> Terminal and lateral leaflets: frequency of coalescence	absent or very low	very low to low
<input type="checkbox"/> Leaflet: waviness of margin	weak	weak to medium
<input checked="" type="checkbox"/> Leaflet: depth of veins	medium to deep	shallow to medium
<input type="checkbox"/> Leaflet: glossiness of the upperside	glossy	medium
<input type="checkbox"/> Flower bud: anthocyanin colouration	absent or very weak	absent or very weak
<input type="checkbox"/> Plant: height	short to medium	short to medium

<input checked="" type="checkbox"/> *Plant: frequency of flowers	absent or very low	medium to high
<input checked="" type="checkbox"/> *Plant: time of maturity	medium to late	early
<input type="checkbox"/> *Tuber: shape	oval	oval
<input type="checkbox"/> Tuber: depth of eyes	very shallow	very shallow
<input type="checkbox"/> *Tuber: colour of skin	yellow	yellow
<input type="checkbox"/> *Tuber: colour of base of eye	yellow	white
<input type="checkbox"/> *Tuber: colour of flesh	light yellow	light yellow
<input type="checkbox"/> Tuber: anthocyanin colouration of skin in reaction to light (light beige and yellow skinned varieties only)	medium	absent or very weak

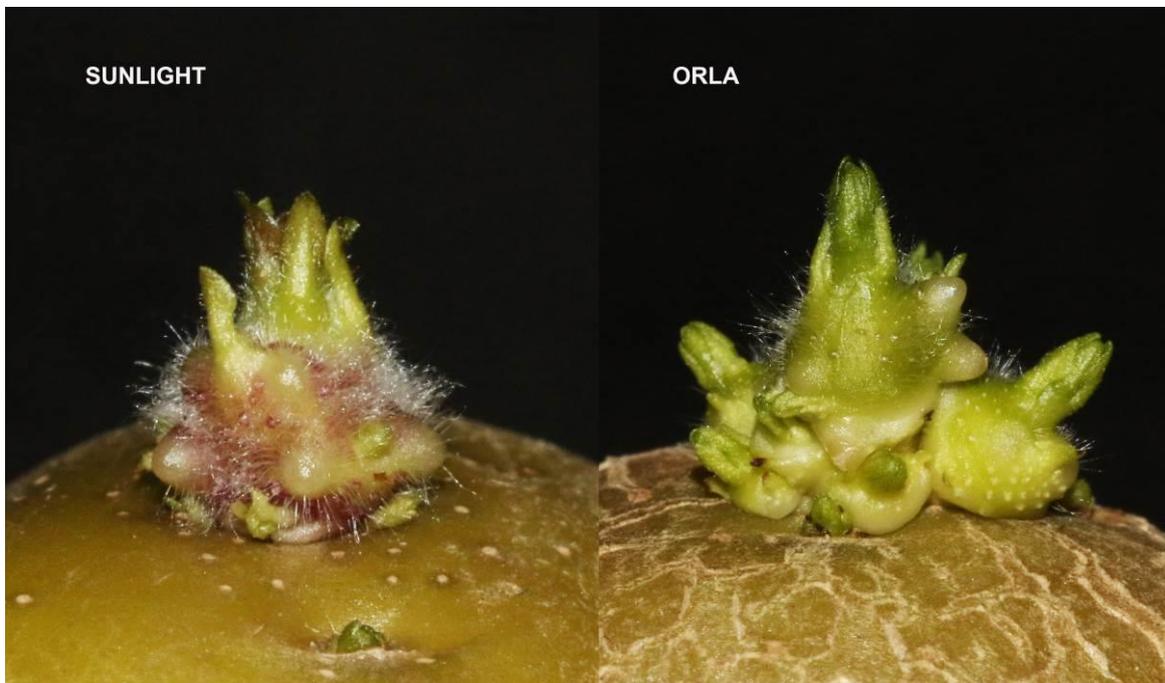
Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Sunlight'	'Orla'
<input checked="" type="checkbox"/> Tuber: skin smoothness	medium	rough
<input type="checkbox"/> stem: wings	large	large
<input checked="" type="checkbox"/> stem: thickness	medium	thin

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2019	Granted	'Sunlight'

Description: John Fennell, Littlehampton, SA.



Potato (*Solanum tuberosum*) variety 'Sunlight'

Details of Application

Application Number	2024/230
Variety Name	'HGT2h'
Genus Species	<i>Cannabis sativa</i>
Common Name	Industrial hemp
Synonym	'HGT-G105h'
Accepted Date	01-Nov-2024
Applicant	HempGenTech Pty Ltd, Chapel Hill, QLD 4069, Australia
Agent	Dr. Omid Ansari, QLD, Australia
Qualified Person	Omid Ansari

Details of Comparative Trial

Location	125 Forthside Road, Forthside, Tasmania, 7310
Descriptor	TG/276/1
Period	November 2024 to February 2025
Conditions	The climate at this location is classified as cool temperate, with an annual rainfall of approximately 1100mm, predominantly occurring during winter and early spring. The trial site is located at TIA's Forthside Research Facility in Tasmania, where the soil is classified as a deep red Ferrosol, known for its excellent drainage, strong structure, and high natural fertility. The trial was fully irrigated, and standard agronomic practices for industrial hemp were followed to ensure optimal growth conditions.
Trial Design	The trial was established using a Randomised Complete Block Design (RCBD) with three replications.
Measurements	Observations and measurements were conducted following UPOV guidelines to comply with international standards for plant variety evaluation. Standard methods were applied for cannabinoid analysis.
RHS Chart - edition	n/a

Origin and Breeding

Selection: Initial phenotypic evaluations commenced on a pre-selected genetic line, with progressive selection advancements leading to the development of a variety optimised for commercial grain production. HGT2h was developed using the GENE-UP™ breeding platform, a structured selection process designed to improve genetic uniformity and agronomic consistency. The breeding approach focused on refining growth characteristics, plant architecture, and adaptability, ensuring stability across multiple environments. Through the GENE-UP™ platform, selections were carried out over multiple cycles, integrating a combination of phenotypic assessments and controlled recombination strategies. The resulting variety, HGT2h, exhibits monoecious flowering, consistent plant height, and a stable growth cycle, supporting reliable field performance. Breeder: Omid Ansari, HempGenTech Pty Ltd, QLD, Australia

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Inflorescence	THC content	low/ very low
Plant	natural height	medium
Inflorescence	time of flowering	early

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'ECO-Excalibur'	low THC grain variety
'CRS1'	similar maturity
'CFX2'	similar maturity
'HGT1'	low THC content

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'CFX2'	InflorescenceProportion of hermaphrodite plants	High >96%	Low <5%	
'HGT1'	InflorescenceMaturity	Early	Very late	
'CRS1'	InflorescenceProportion of hermaphrodite plants	High >96%	Low <5%	

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

Organ/Plant Part: Context	'HGT2h'	'ECO-Excalibur'
<input type="checkbox"/> Leaf: intensity of green colour	medium	medium
<input checked="" type="checkbox"/> Leaf: length of petiole	short	medium
<input checked="" type="checkbox"/> Leaf: anthocyanin colouration of petiole	weak	medium
<input checked="" type="checkbox"/> Leaf: number of leaflets	few	medium
<input checked="" type="checkbox"/> Central leaflet: length	short to medium	medium
<input type="checkbox"/> Central leaflet: width	narrow to medium	medium
<input type="checkbox"/> Plant: time of male flowering	early to medium	early to medium
<input checked="" type="checkbox"/> Inflorescence: anthocyanin colouration of male flowers	absent or very weak to weak	weak to medium
<input type="checkbox"/> Inflorescence: THC content	absent or very low	absent or very low
<input checked="" type="checkbox"/> Plant: proportion of hermaphrodite plants	high	low
<input type="checkbox"/> Plant: proportion of female plants	medium to high	medium to high
<input checked="" type="checkbox"/> Plant: proportion of male plants	low	low to medium
<input type="checkbox"/> Plant: natural height	medium	medium
<input type="checkbox"/> Main stem: colour	medium green	medium green
<input type="checkbox"/> Main stem: length of internode	medium	medium
<input type="checkbox"/> Main stem: thickness	medium	medium
<input type="checkbox"/> Main stem: depth of grooves	shallow	shallow
<input type="checkbox"/> Seed: 1,000 seed weight	medium	medium

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'HGT2h'	'ECO-Excalibur'
<input type="checkbox"/> Leaf: Number of secondary serrations	Absent	Absent

<input type="checkbox"/>	Inflorescence: Cannabidiol (CBD) content	Very low to low	Very low to low
<input type="checkbox"/>	Inflorescence: Calyx: Leaf	Weak	Weak
<input checked="" type="checkbox"/>	Leaf: Leaf Rugosity	weak	weak-medium

Statistical Table

Organ/Plant Part: Context	'HGT2h'	'ECO-Excalibur'
<input type="checkbox"/> Leaf: Central leaflet length (cm)		
Mean	17.00	15.63
Std. Deviation	1.94	1.89
Lsd/sig	2.33	ns
<input checked="" type="checkbox"/> Main stem: internode length (cm)		
Mean	27.00	22.57
Std. Deviation	2.19	4.64
Lsd/sig	4.15	P≤0.01
Means Separation	99%	LSD
<input checked="" type="checkbox"/> Plant: Natural height (cm)		
Mean	172.80	164.50
Std. Deviation	4.86	6.99
Lsd/sig	7.22	P≤0.01
<input checked="" type="checkbox"/> Leaf: Central leaflet width (cm)		
Mean	2.60	2.10
Std. Deviation	0.15	0.18
Lsd/sig	0.27	P≤0.01

Prior Applications and Sales: Nil**Description: Dr Omid Ansari, QLD, Australia**



Cannabis sativa variety 'HGT2h' (generation 1 and generation 2) with comparator 'ECO-Excalibur'

Details of Application

Application Number	2024/250
Variety Name	'QUANTARIO'
Genus Species	<i>Cucumis sativus</i>
Common Name	Cucumber, Gherkin
Accepted Date	11-Dec-2024
Applicant	Rijk Zwaan Zaadteelt en Zaadhandel B.V. DE LIER, Netherlands
Agent	Spruson & Ferguson, Sydney NSW, Australia
Qualified Person	Michael Christie

Details of Comparative Trial

Overseas Testing Authority	Naktuinbouw, Netherlands
Overseas Data Reference Number	KMK1527
Location	Naktuinbouw, ROELOFARENDSVEEN, Netherlands
Descriptor	TP/61/2 Rev.2 d.d. 19-03-2019
Period	2023
Trial Design	In accordance with TP/61/2 Rev.2 d.d. 19-03-2019
Measurements	In accordance with TP/61/2 Rev.2 d.d. 19-03-2019

Origin and Breeding

Controlled pollination: Starting point was a commercial variety. Improvement of both parent lines with powdery mildew resistance with help of DH method. Breeder: Rijk Zwaan Zaadteelt en Zaadhandel B.V. DE LIER, Netherlands.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Fruit	type	beth alpha
Cotyledon	bitterness	absent
Plant	sex expression	gynoecious
Ovary	colour of vestiture	white
Fruit	parthenocarp	present
Fruit	length	very short to short
Fruit	ground colour of skin at market stage	green
Resistance	resistance to <i>Cladosporium cucumerinum</i>	present
Resistance	resistance to Cucumber Mosaic Virus (CMV)	moderately resistant
Resistance	resistance to powdery mildew (<i>Podosphaera xanthii</i>) (Px)	highly resistant
Resistance	resistance to <i>Corynespora</i> blight and target leaf spot (<i>Corynespora cassiicola</i>) (Cca)	absent
Resistance	resistance to Cucumber Vein Yellowing Virus (CVYV)	present

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Qwerty'	

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

Organ/Plant Part: Context	'QUANTARIO'	'Qwerty'
<input type="checkbox"/> Cotyledon: bitterness	absent	
<input type="checkbox"/> Plant: growth type	indeterminate	
<input type="checkbox"/> Plant: total length of first 15 internodes	short	
<input type="checkbox"/> Leaf blade: attitude	horizontal	
<input checked="" type="checkbox"/> Leaf blade: length	short	very short to short
<input type="checkbox"/> Leaf blade: ratio length of terminal lobe/length of blade	small to medium	
<input type="checkbox"/> Leaf blade: shape of apex of terminal lobe	right-angled	
<input checked="" type="checkbox"/> Leaf blade: intensity of green colour	dark	medium to dark
<input type="checkbox"/> Leaf blade: blistering	weak to medium	
<input type="checkbox"/> Leaf blade: undulation of margin	absent or weak	
<input type="checkbox"/> Leaf blade: dentation of margin	very weak to weak	
<input type="checkbox"/> Time of: development of female flowers (80% of plants with at least one female flower)	early to medium	
<input type="checkbox"/> Plant: sex expression	gynoecious	
<input checked="" type="checkbox"/> Plant: number of female flowers per node	predominantly two or three	predominantly two
<input type="checkbox"/> Ovary: colour of vestiture	white	
<input type="checkbox"/> Fruit: Parthenocarpy	present	
<input type="checkbox"/> Fruit: length	very short to short	
<input type="checkbox"/> Fruit: diameter	small	
<input type="checkbox"/> Fruit: ratio length/diameter	very small to small	
<input type="checkbox"/> Fruit: core diameter in relation to diameter of fruit	large	
<input type="checkbox"/> Fruit: shape in transverse section	round	
<input type="checkbox"/> Fruit: shape of stem end	obtuse	
<input type="checkbox"/> Fruit: shape of calyx end	rounded	
<input type="checkbox"/> Fruit: ground colour of skin at market stage	green	
<input type="checkbox"/> Fruit: intensity of ground colour of skin (as for 25)	medium to dark	
<input type="checkbox"/> Fruit: ribs	absent or weak	
<input type="checkbox"/> Fruit: sutures	absent	
<input type="checkbox"/> Fruit: creasing	present	
<input type="checkbox"/> Fruit: degree of creasing	very weak	
<input type="checkbox"/> Fruit: type of vestiture	prickles only	
<input type="checkbox"/> Fruit: density of vestiture	sparse to medium	
<input type="checkbox"/> Fruit: colour of vestiture	white	

<input type="checkbox"/> Fruit: warts	absent
<input type="checkbox"/> Fruit: length of stripes	absent or very short
<input type="checkbox"/> Fruit: dots	absent
<input type="checkbox"/> Fruit: glaucosity	absent or very weak
<input type="checkbox"/> Fruit: length of peduncle	short
<input type="checkbox"/> Fruit: ground colour of skin at physiological ripeness	yellow
<input type="checkbox"/> Resistance to: <i>Cladosporium cucumerinum</i>	present
<input type="checkbox"/> Resistance to: Cucumber mosaic virus (CMV)	moderately resistant
<input type="checkbox"/> Resistance to: Powdery mildew (<i>Podosphaera xanthii</i>) (Px)	highly resistant
<input type="checkbox"/> Resistance to: Corynespora blight and target leaf spot (<i>Corynespora cassicola</i>) (Cca)	absent
<input type="checkbox"/> Resistance to: Cucumber vein yellowing virus (CVYV)	present
<input type="checkbox"/> Resistance to: Zucchini yellow mosaic virus (ZYMV)	absent

Prior Applications and Sales:

Country	Year	Status	Name Applied
NL	2022	Granted	'Quantario'
QZ	2022	Granted	'Quantario'
GB	2023	Granted	'Quantario'
CA	2023	Pending	'Quantario'

First Sold in Netherlands in July 2022 and in Australia in October 2023.

Description: Michael Christie, Sydney, NSW



Cucumis sativus (Cucumber, Gherkin) variety 'QUANTARIO'

Details of Application

Application Number	2024/279
Variety Name	'DrisBlackThirty'
Genus Species	<i>Rubus</i> subgenus <i>Rubus</i>
Common Name	Blackberry
Accepted Date	08-Jan-2025
Applicant	Driscoll's Inc, 345 Westridge Drive, Watsonville, California, USA
Agent	AJ Park, Sydney, NSW
Qualified Person	Bryan Nemire

Details of Comparative Trial

Overseas Testing Authority	USPTO
Overseas Data Reference Number	PP35,078
Location	520 Evandale Road, Evandale, Tasmania 7212
Descriptor	UPOV/TG/73/7
Period	October, 2023 to January, 2025
Conditions	Grown in substrate under plastic tunnels using standard blackberry growing practices
Trial Design	Randomized Block Design used to verify United States published description
Measurements	Taken from randomly selected plants in accordance with UPOV terminology and guidelines
RHS Chart - edition	5th Edition

Origin and Breeding

Controlled pollination: Blackberry plant variety 'DrisBlackThirty' was selected in Santa Cruz County, Calif. in September of 2016 and originated from a controlled cross between the proprietary female parent blackberry plant 'BW337 2 Bulk' (unpatented) and the proprietary male parent blackberry plant 'BS880.1' (unpatented). The original seedling of the new variety was first asexually propagated via root cuttings in Santa Cruz County, California in October of 2016. 'DrisBlackThirty' was subsequently asexually propagated via root cuttings, and underwent testing in Santa Cruz, Calif. from 2017 to 2021. The present variety has been found to be stable and reproduce true to type through successive asexual propagations via root cuttings and tissue culture. Breeder's: Gavin R. Sills; Yunwen Wang; Mark F. Crusha; John Fangary, Driscoll's Inc., California, USA.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	growth habit	upright to semi-upright
Dormant cane	spines	absent
Terminal leaflet	lobing	absent
Leaflet	type of incision of margin	bi-serrate
Leaf	type	palmete
Fruiting	on current year's cane	present

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'DrisBlackThirteen'	

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

Organ/Plant Part: Context	'DrisBlackThirty'	'DrisBlackThirteen'
<input type="checkbox"/> *Plant: growth habit	upright to semi-upright	upright to semi-upright
<input type="checkbox"/> Plant: number of new canes	medium	many
<input type="checkbox"/> *Dormant cane: cross section	angular to grooved	angular
<input type="checkbox"/> *Dormant cane: spines	absent	absent
<input type="checkbox"/> Young shoot: anthocyanin colouration	weak to medium	medium
<input type="checkbox"/> Young shoot: intensity of green colour	light	light to medium
<input type="checkbox"/> Young shoot: number of glandular hairs	medium	absent or few
<input type="checkbox"/> Terminal leaflet: length	medium to long	long
<input type="checkbox"/> Terminal leaflet: width	broad	medium to broad
<input type="checkbox"/> Terminal leaflet: lobing	absent	absent
<input type="checkbox"/> Terminal leaflet: shape in cross-section	u-shaped	u-shaped
<input type="checkbox"/> Terminal leaflet: undulation of margin	very weak to weak	weak to medium
<input type="checkbox"/> Terminal leaflet: blistering between veins	weak	weak
<input type="checkbox"/> Leaflet: type of incision of margin	bi-serrate	bi-serrate
<input type="checkbox"/> Leaflet: depth of incisions	shallow	shallow
<input type="checkbox"/> *Leaf: predominant number of leaflets	five	five
<input type="checkbox"/> *Leaf: type	palmate	palmate
<input type="checkbox"/> Leaf: intensity of green colour of upper side	dark	medium
<input type="checkbox"/> Leaf: glossiness of upper side	very weak to weak	weak
<input checked="" type="checkbox"/> Petiole: size of stipules	large to very large	medium
<input type="checkbox"/> Flower: diameter	large to very large	medium to large
<input checked="" type="checkbox"/> Flower: colour of petal	white	pinkish
<input type="checkbox"/> Fruit: length	long	medium to long
<input type="checkbox"/> Fruit: width	broad	medium to broad
<input type="checkbox"/> Fruit: ratio length/width	large	large
<input type="checkbox"/> Fruit: number of drupelets	many	many
<input checked="" type="checkbox"/> *Fruit: shape in longitudinal section	oblong	narrow ovate
<input type="checkbox"/> Fruit: colour	black	black
<input type="checkbox"/> *Fruiting: on current year's cane	present	present

Prior Applications and Sales:

Country	Year	Status	Name Applied
China	2022	Applied	'DrisBlackThirty'
EU	2022	Applied	'DrisBlackThirty'
Mexico	2023	Granted	'DrisBlackThirty'
Morocco	2024	Applied	'DrisBlackThirty'

UK	2023	Applied	'DrisBlackThirty'
USA	2022	Granted	'DrisBlackThirty'

Prior Sales: Nil

Description: Bryan Nemire, North Boambee Valley, NSW.



Blackberry (*Rubus* subgenus *Rubus*) variety 'DrisBlackThirty' with comparator 'DrisBlackThirteen'

Grants

Application Number	Variety Name	Common Name	Synonym	Genus	Species	Applicant(s)	Grant Date	Certificate Number	Expiry Date
2015/206	Parpatpot	Camellia	Not Applicable	<i>Camellia</i>	<i>hybrid</i>	The Paradise Seed Company Pty. Limited	21/03/2025	7185	21/03/2045
2021/135	GIMLI	Celery	Not Applicable	<i>Apium</i>	<i>graveolens var. dulce</i>	Rijk Zwaan Zaadteelt en Zaadhandel B.V.	30/04/2025	7206	30/04/2045
2024/047	COCONINO	Lettuce	Not Applicable	<i>Lactuca</i>	<i>sativa</i>	Rijk Zwaan Zaadteelt en Zaadhandel B.V.	28/05/2025	7214	28/05/2045
2016/216	Fujion	Apple	LH-59	<i>Malus</i>	<i>domestica</i>	C.I.V. - CONSORZIO ITALIANO VIVAISTI - SOCIETÀ CONSORTILE A R.L.	19/03/2025	7180	19/03/2050
2018/341	DrisStrawFiftyEight	Strawberry	Not Applicable	<i>Fragaria</i>	<i>x ananassa</i>	Driscoll's, Inc.	26/05/2025	7210	26/05/2045
2018/178	Vixen	Wheat	IGW4279	<i>Triticum</i>	<i>aestivum</i>	InterGrain Pty Ltd	10/04/2025	7197	10/04/2045
2016/316	Kolmaru	Hydrangea	Rubyred	<i>Hydrangea</i>	<i>macrophylla</i>	Kolster Holdings B.V.	24/03/2025	7186	24/03/2045
2020/135	Paper Girl	Paper Daisy	Not Applicable	<i>Rhodanthe</i>	<i>anthemoides</i>	Plant Growers Australia	09/04/2025	7195	09/04/2045
2019/240	Plapink 0740	Raspberry	Not Applicable	<i>Rubus</i>	<i>idaeus</i>	Plantas de Navarra, S.A. (PLANASA) Sociedad Unipersonal	04/06/2025	7217	04/06/2045
2023/279	Mara-6	Industrial hemp	Not Applicable	<i>Cannabis</i>	<i>sativa</i>	Mara Seeds Pty Ltd	04/04/2025	7190	04/04/2045

2019/028	MB01		Not Applicable	<i>Metrosideros</i>	<i>collina</i>	Vic John Ciccolella	17/03/2025	7179	17/03/2045
2017/010	Flatop	Peach	Not Applicable	<i>Prunus</i>	<i>persica</i>	Agro Selections Fruits S.A.S.	08/04/2025	7194	08/04/2050
2023/032	Mara-401	Industrial Hemp	Not Applicable	<i>Cannabis</i>	<i>sativa L.</i>	Mara Seeds Pty Ltd	04/04/2025	7192	04/04/2045
2018/100	JINSHI 1	Kiwifruit	HFY01	<i>Actinidia</i>	<i>chinensis</i>	Sichuan Huasheng Agricultural Ltd.	23/05/2025	7209	23/05/2050
2016/312	Mystique	Grape vine	Not Applicable	<i>Vitis</i>	<i>vinifera</i>	Commonwealth Scientific and Industrial Research Organisation	16/04/2025	7205	16/04/2050
2023/278	Mara-4	Industrial hemp	Not Applicable	<i>Cannabis</i>	<i>sativa</i>	Mara Seeds Pty Ltd	04/04/2025	7189	04/04/2045
2015/198	RMC16-5-3	Nectarine	Not Applicable	<i>Prunus</i>	<i>persica var. nucipersica</i>	Rene Monteux-Caillet	27/05/2025	7213	27/05/2050
2022/198	Revolution	Garden Rocket	Not Applicable	<i>Eruca</i>	<i>sativa</i>	CN Seeds Ltd	22/05/2025	7208	22/05/2045
2019/009	YRL39	Rice	Not Applicable	<i>Oryza</i>	<i>sativa</i>	The Crown in right of the State of New South Wales acting through the Department of Primary Industries; Ricegrowers Ltd. (trading as SunRice); AgriFutures Australia	20/03/2025	7183	20/03/2045
2018/184	CAKEDELICE	Nectarine	Not Applicable	<i>Prunus</i>	<i>persica var. nucipersica</i>	Agro Selections Fruits S.A.S.	26/05/2025	7211	26/05/2050
2020/307	MISTELA	Tomato	Not Applicable	<i>Solanum</i>	<i>lycopersicum</i>	Nunhems B.V.	19/03/2025	7182	19/03/2045

2017/043	PMS185232674	Spinach	Not Applicable	<i>Spinacia</i>	<i>oleracea L.</i>	Nunhems B.V.	19/03/2025	7181	19/03/2045
2021/246	FB2020	Ornamental Allium	Luna	<i>Allium</i>	<i>x nutans</i>	AD Salmon & BM Thomas	30/04/2025	7207	30/04/2045
2017/034	Nectadiva	Nectarine	Not Applicable	<i>Prunus</i>	<i>persica var. nucipersica</i>	Agro Selections Fruits S.A.S.	09/04/2025	7196	09/04/2050
2023/238	HGT1	Industrial Hemp	HGT-D01L	<i>Cannabis</i>	<i>sativa</i>	HempGenTech Pty Ltd	04/04/2025	7193	04/04/2045
2021/070	SUNSPARK	Apple	Not Applicable	<i>Malus</i>	<i>domestica</i>	Li Imke GbR	11/04/2025	7201	11/04/2050
2022/065	Patron	Durum Wheat	Not Applicable	<i>Triticum</i>	<i>durum</i>	Australian Grain Technologies Pty Ltd	24/03/2025	7187	24/03/2045
2020/264	Moonbeam		Not Applicable	<i>Arthropodium</i>	<i>cirrhatum</i>	Chris Roebuck	24/03/2025	7188	24/03/2045
2023/031	Mara-314	Industrial Hemp	Not Applicable	<i>Cannabis</i>	<i>sativa L.</i>	Mara Seeds Pty Ltd	04/04/2025	7191	04/04/2045
2017/096	Jive	Apple	Not Applicable	<i>Malus</i>	<i>domestica</i>	BMA TRUST c/- Dr Mark Burkitt	21/03/2025	7184	21/03/2050
2017/305	ELEMENTAL	Lettuce	Not Applicable	<i>Lactuca</i>	<i>sativa</i>	Nunhems B.V.	04/06/2025	7216	04/06/2045
2018/300	DrisStrawSixtyFive	Strawberry	Not Applicable	<i>Fragaria</i>	<i>x ananassa</i>	Driscoll's, Inc.	27/05/2025	7212	27/05/2045
2018/167	SUNPRIME	Wheat	Not Applicable	<i>Triticum</i>	<i>aestivum</i>	Australian Grain Technologies Pty Ltd	07/03/2025	7177	07/03/2045
2017/197	LEABROOK	Barley	Not Applicable	<i>Hordeum</i>	<i>vulgare</i>	The University of Adelaide	11/04/2025	7200	11/04/2045
2011/114	EMEK	Pomegranate	Not Applicable	<i>Punica</i>	<i>granatum</i>	The State of Israel, Ministry of Agriculture & Rural Development	10/04/2025	7198	10/04/2050
2018/183	NECTAFLASH	Nectarine	Not Applicable	<i>Prunus</i>	<i>persica var. nucipersica</i>	Agro Selections Fruits S.A.S.	15/04/2025	7204	15/04/2050
2019/108	RockStar	Wheat	Not Applicable	<i>Triticum</i>	<i>aestivum</i>	InterGrain Pty Ltd	15/04/2025	7203	15/04/2045

2022/078	Willaura	Wheat	Not Applicable	<i>Triticum</i>	<i>aestivum</i>	Australian Grain Technologies Pty Ltd	13/03/2025	7178	13/03/2045
2018/189	DS Tull	Wheat	Not Applicable	<i>Triticum</i>	<i>aestivum</i>	Agrigenetics, Inc.	11/04/2025	7199	11/04/2045
2018/177	Devil	Wheat	IGW6177	<i>Triticum</i>	<i>aestivum</i>	InterGrain Pty Ltd	29/05/2025	7215	29/05/2045
2018/121	Rutgers ObsessionDMR		Not Applicable	<i>Ocimum</i>	<i>basilicum</i>	Rutgers, The State University of New Jersey	14/04/2025	7202	14/04/2045

Refusals

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

Applications Withdrawn

Application Number	Variety Name	Common Name	Synonym	Genus	Species	Applicant(s)	Withdrawal Date
2021/099	GOLETA	Cucumber	Not Applicable	<i>Cucumis</i>	<i>sativus</i>	Nunhems B.V.	17/03/2025
2023/073	MULTIGREEN 148	Lettuce	Not Applicable	<i>Lactuca</i>	<i>sativa</i>	Nunhems B.V.	27/03/2025
2021/160	RECILIA	Lettuce	Not Applicable	<i>Lactuca</i>	<i>sativa</i>	Nunhems B.V.	27/03/2025
2024/015	OAKITA	Lettuce	Not Applicable	<i>Lactuca</i>	<i>sativa</i>	Syngenta Crop Protection AG	09/04/2025
2022/146	KROMIO	Lettuce	Not Applicable	<i>Lactuca</i>	<i>sativa</i>	Syngenta Crop Protection AG	10/04/2025
2021/200	El Ganto	Spinach	Not Applicable	<i>Spinacia</i>	<i>oleracea</i>	Syngenta Crop Protection AG	17/04/2025
2022/107	TINTERO	Cucumber	Not Applicable	<i>Cucumis</i>	<i>sativus</i>	NUNHEMS B.V.	28/03/2025
2020/208	SUNPEEK	Melon	Not Applicable	<i>Cucumis</i>	<i>melo</i>	Nunhems B.V.	27/03/2025
2020/175	PN003	Lilly Pilly	Not Applicable	<i>Syzygium</i>	<i>australe</i>	Pinecrest Nursery	09/04/2025
2012/066	Magenta Magic	Brachyscome	Not Applicable	<i>Brachyscome</i>	<i>hybrid</i>	Ball Australia Pty Ltd	09/04/2025
2020/282	OZWALD	Lettuce	Not Applicable	<i>Lactuca</i>	<i>sativa</i>	Rijk Zwaan Zaadteelt en Zaadhandel B.V.	25/03/2025
2018/092	THESPIAN	Lettuce	Not Applicable	<i>Lactuca</i>	<i>sativa</i>	Nunhems B.V.	27/03/2025
2020/299	Amante	Sage	Not Applicable	<i>Salvia</i>	<i>hybrid</i>	New World Plants Limited	16/04/2025
2022/152	STUDIO	Lettuce	Not Applicable	<i>Lactuca</i>	<i>sativa</i>	Syngenta Crop Protection AG	09/04/2025

Grants Revoked

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

Grants Surrendered

Application Number	Variety Name	Common Name	Synonym	Genus	Species	Applicant(s)	Surrendered Date
2017/172	Blade Runner		Not Applicable	<i>Echeveria</i>	<i>gibbiflora</i>	Morgan Oates & Brown Pty Ltd	09/04/2025
2004/126	SUN421T	Wheat	Not Applicable	<i>Triticum</i>	<i>aestivum</i>	The University of Sydney, Grains Research and Development Corporation	14/03/2025
2015/258	Empire	Oats	Not Applicable	<i>Avena</i>	<i>sativa</i>	NDSU Research Foundation	07/04/2025
2016/349	AMBIC001	Agapanthus	Not Applicable	<i>Agapanthus</i>	<i>hybrid</i>	Charles Andrew de Wet	14/03/2025
2022/126	Hokomatelo	Hydrangea	Not Applicable	<i>Hydrangea</i>	<i>macrophylla</i>	Kolster Holding B.V. and Horteve Breeding B.V.	03/03/2025
2015/279	Allyn Emerald-Carpet	Sweet Bursaria	Not Applicable	<i>Bursaria</i>	<i>spinosa</i>	V.F. & N.C. Jupp	29/05/2025
2013/258	Harper	Wheat	Not Applicable	<i>Triticum</i>	<i>aestivum</i>	InterGrain Pty Ltd	07/03/2025
2022/127	Hokomatempta	Hydrangea	Not Applicable	<i>Hydrangea</i>	<i>macrophylla</i>	Kolster Holding B.V. and Horteve Breeding B.V.	03/03/2025
2023/042	SANFREDO	Tomato	Not Applicable	<i>Solanum</i>	<i>lycopersicum</i>	Rijk Zwaan Zaadteelt en Zaadhandel B.V.	22/05/2025
2011/311	Zonga	Apple	Not Applicable	<i>Malus</i>	<i>domestica</i>	Better3fruit NV	05/03/2025
2011/053	LongReach Envoy	Wheat	Not Applicable	<i>Triticum</i>	<i>aestivum</i>	LongReach Plant Breeders Management Pty Ltd	05/06/2025
2016/007	Edioso	Tomato	Not Applicable	<i>Solanum</i>	<i>lycopersicum</i>	Syngenta Crop Protection AG	17/04/2025

2020/138	EXCIPIO	Lettuce	Not Applicable	<i>Lactuca</i>	<i>sativa</i>	Rijk Zwaan Zaadteelt en Zaadhandel B.V.	25/03/2025
2006/123	DP 611 BGII/RR	Cotton	Not Applicable	<i>Gossypium</i>	<i>hirsutum</i>	Monsanto Australia Limited	06/06/2025
2008/286	Island Blue	Southern Highbush Blueberry	Not Applicable	<i>Vaccinium</i>	<i>corymbosum</i> <i>hybrid</i>	The New Zealand Institute for Plant and Food Research Limited	30/04/2025
2008/142	Rullo Special 2	European Pear	Not Applicable	<i>Pyrus</i>	<i>communis</i>	Westland Group Holdings Pty Ltd	09/05/2025
2008/184	SAINTLY	Durum Wheat	Not Applicable	<i>Triticum</i>	<i>turgidum ssp</i> <i>turgidum</i>	Australian Grain Technologies Pty Ltd	04/03/2025
2006/122	DP 408 BGII	Cotton	Not Applicable	<i>Gossypium</i>	<i>hirsutum</i>	Monsanto Australia Limited	06/06/2025
2014/102	Kiora	Wheat	Not Applicable	<i>Triticum</i>	<i>aestivum</i>	Australian Grain Technologies Pty Ltd	29/05/2025
2011/310	Zari	Apple	Not Applicable	<i>Malus</i>	<i>domestica</i>	Better3fruit NV	05/03/2025
2007/175	Merinda	Wheat	Not Applicable	<i>Triticum</i>	<i>aestivum</i>	The University of Sydney	29/05/2025

Grants Expired

Application Number	Variety Name	Common Name	Synonym	Genus	Species	Applicant(s)	Expiry Date
2003/161	EGA Bonnie Rock	Wheat	Not Applicable	<i>Triticum</i>	<i>aestivum</i>	InterGrain Pty Ltd	02/06/2025
2002/288	EGA Wedgetail	Wheat	Not Applicable	<i>Triticum</i>	<i>aestivum</i>	The State of Queensland acting through (DAF), Department of Primary Industries for and on behalf of the State of NSW, The University of Queensland, Grains Research and Development Corporation	02/06/2025
2003/029	DeltaOPAL RR	Cotton	Not Applicable	<i>Gossypium</i>	<i>hirsutum</i>	Monsanto Australia Limited	16/03/2025
1999/356	Accord	Potato	Not Applicable	<i>Solanum</i>	<i>tuberosum</i>	Mitolo Group Pty Ltd	02/06/2025
2002/343	Yelbini	Serradella	Not Applicable	<i>Ornithopus</i>	<i>compressus</i>	Western Australian Agriculture Authority, Grains Research and Development Corporation	18/03/2025
1999/041	PARBLYNDA	Camellia	Not Applicable	<i>Camellia</i>	<i>sasanqua</i>	The Paradise Seed Company Pty. Ltd.	06/03/2025
1999/052	PARSUSAN	Camellia	Not Applicable	<i>Camellia</i>	<i>sasanqua</i>	The Paradise Seed Company Pty. Ltd.	06/03/2025
2002/179	Staqueen	Peruvian Lily	Not Applicable	<i>Alstroemeria</i>	<i>hybrid</i>	Van Zanten Plants B.V.	11/03/2025
2002/327	Sweet Heart	False Sarsparilla	Not Applicable	<i>Hardenbergia</i>	<i>violacea</i>	Peter James Ollerenshaw	18/03/2025

2002/326	LadyO	Grevillea	Not Applicable	<i>Grevillea</i>	<i>victoriae x Grevillea rhyolitica</i>	Peter James Ollerenshaw	18/03/2025
2000/085	Parillumination	Camellia	Not Applicable	<i>Camellia</i>	<i>sasanqua</i>	The Paradise Seed Company Pty. Ltd.	06/03/2025
2002/257	Bellaros	Italian Lavender	Not Applicable	<i>Lavandula</i>	<i>hybrid</i>	The Paradise Seed Company Pty. Ltd.	27/05/2025
1999/044	PARDIANA	Camellia	Not Applicable	<i>Camellia</i>	<i>sasanqua</i>	The Paradise Seed Company Pty. Ltd.	06/03/2025
1999/260	BEE BRILLIANT	Italian Lavender	Not Applicable	<i>Lavandula</i>	<i>hybrid</i>	The Paradise Seed Company Pty. Ltd.	27/05/2025
2002/236	EGA Bellaroi	Durum Wheat	Not Applicable	<i>Triticum</i>	<i>turgidum ssp. turgidum conv. durum</i>	The State of Queensland acting through (DAF), Department of Primary Industries for and on behalf of the State of NSW, The University of Queensland, Grains Research and Development Corporation	02/06/2025
2003/032	NuOPAL RR	Cotton	Not Applicable	<i>Gossypium</i>	<i>hirsutum</i>	Monsanto Australia Limited	16/03/2025
2000/082	PARDONNA	Camellia	Not Applicable	<i>Camellia</i>	<i>sasanqua</i>	The Paradise Seed Company Pty. Ltd.	06/03/2025
2003/070	Parann	Camellia	Not Applicable	<i>Camellia</i>	<i>sasanqua</i>	The Paradise Seed Company Pty. Ltd.	06/03/2025
1997/284	Screenmaster	Pittosporum	Not Applicable	<i>Pittosporum</i>	<i>tenuifolium</i>	Hermitage Nursery Pty Ltd	29/03/2025
2002/140	Bee Pretty	Italian Lavender	Not Applicable	<i>Lavandula</i>	<i>hybrid</i>	The Paradise Seed Company Pty. Ltd.	27/05/2025
2000/137	T90-1-0-1	Waratah	Not Applicable	<i>Telopea</i>	<i>speciosissima x Telopea oreades</i>	Proteaflora Enterprises Pty Ltd	03/06/2025
1999/256	BELLA PINK	Italian Lavender	Not Applicable	<i>Lavandula</i>	<i>hybrid</i>	The Paradise Seed Company Pty. Ltd.	27/05/2025

1998/214	LADY CHRISTL	Potato	Not Applicable	<i>Solanum</i>	<i>tuberosum</i>	Mitolo Group Pty Ltd	02/06/2025
2001/220	Venus	Protea	Not Applicable	<i>Protea</i>	<i>aristata x Protea repens</i>	C.S.M. Michel	03/06/2025
2000/084	PARSYLVIA	Camellia	Not Applicable	<i>Camellia</i>	<i>sasanqua</i>	The Paradise Seed Company Pty. Ltd.	06/03/2025
1999/257	BELLA PURPLE	Italian Lavender	Not Applicable	<i>Lavandula</i>	<i>hybrid</i>	The Paradise Seed Company Pty. Ltd.	27/05/2025
1999/043	PARCAROLINE	Camellia	Not Applicable	<i>Camellia</i>	<i>sasanqua</i>	The Paradise Seed Company Pty. Ltd.	06/03/2025
2000/086	PARSANDRA	Camellia	Not Applicable	<i>Camellia</i>	<i>sasanqua</i>	The Paradise Seed Company Pty. Ltd.	06/03/2025
2003/030	NuEMERALD RR	Cotton	Not Applicable	<i>Gossypium</i>	<i>hirsutum</i>	Monsanto Australia Limited	16/03/2025

Change of Applicant Name

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

Transfer/Assignment of Rights

Application Number	Variety Name	Common Name	Synonym	Genus	Species	Changed From	Changed To	Date of Change
2017/095	MCT1	Macadamia	M407	<i>Macadamia</i>	<i>integrifolia</i>	Wild Macadamia Conservation Trust	Wild Macadamia Conservation Limited	01/05/2025
2007/284	BlackStallion	Cowpea		<i>Vigna</i>	<i>unquiculata</i>	B.W. Algate & Co Pty Ltd trading as J.W. Koek & Company; Granum (Overseas) Pty Ltd	Granum (Overseas) Pty Ltd	04/06/2025

Change or Nomination of Agent

Application Number	Variety Name	Common Name	Synonym	Genus	Species	Changed From	Changed To	Date of Change
2019/129	SHSR-04	Avocado		<i>Persea</i>	<i>americana Mill.</i>		Horticulture Innovation Australia	20/03/2025
2020/237	Wildfire	Sedum		<i>Sedum</i>	<i>hybrid</i>	Sprint Horticulture	Natura Creative	06/06/2025
2020/255	GS201801	Sedum		<i>Sedum</i>	<i>hybrid</i>	Sprint Horticulture	Natura Creative	06/06/2025
2019/112	GoldNugget			<i>Sempervivum</i>	<i>hybrid</i>	Sprint Horticulture Pty Ltd	Natura Creative	06/06/2025
2016/301	Milarosso	Crepe Myrtle		<i>Lagerstroemia</i>	<i>indica</i>	Sprint Horticulture Pty Ltd	Natura Creative	06/06/2025
2017/273	OPSTAL 50			<i>Leucothoe</i>	<i>keiskei</i>	Touch of Class Plants Pty Ltd	Natura Creative Pty Ltd	16/05/2025
2016/073	Lime Zinger	Sedum		<i>Sedum</i>	<i>hybrid</i>	Sprint Horticulture Pty Ltd	Natura Creative	06/06/2025
2015/291	WOWDRY1	Ice Plant		<i>Delosperma</i>	<i>nubigenum</i>	Sprint Horticulture Pty Ltd	Natura Creative	15/04/2025
2015/289	WOWDOY3	Ice Plant		<i>Delosperma</i>	<i>nubigenum</i>	Sprint Horticulture Pty Ltd	Natura Creative	15/04/2025
2019/065	FYNLSPSU	Leucospermum		<i>Leucospermum</i>	<i>hybrid</i>	Proteaflora Enterprises	Proteaflora Enterprises Pty Ltd	30/04/2025
2023/116	Chameleon			<i>Schizachyrium</i>	<i>scoparium</i>	Sprint Horticulture Pty Ltd	Natura Creative	02/05/2025
2019/047	Firecracker	Sedum		<i>Sedum</i>	<i>hybrid</i>	Sprint Horticulture Pty Ltd	Natura Creative	06/06/2025

2016/302	Milavio	Crepe Myrtle		<i>Lagerstroemia</i>	<i>indica</i>	Sprint Horticulture Pty Ltd	Natura Creative	06/06/2025
2019/040	Taiga	Clematis		<i>Clematis</i>	<i>hybrid</i>	Sprint Horticulture Pty Ltd	Natura Creative	06/06/2025
2017/232	Little Flames			<i>Leucothoe</i>	<i>hybrid</i>	Touch of Class Plants Pty Ltd	Natura Creative Pty Ltd	16/05/2025
2017/265	OPSTAL 20			<i>Leucothoe</i>	<i>axillaris</i>	Touch of Class Plants Pty Ltd	Natura Creative Pty Ltd	16/05/2025
2016/072	Razzleberry	Sedum	Dazzleberry	<i>Sedum</i>	<i>hybrid</i>	Sprint Horticulture Pty Ltd	Natura Creative	06/06/2025
2020/210	Pldaz2018	Sedum		<i>Sedum</i>	<i>hybrid</i>	Sprint Horticulture Pty Ltd	Natura Creative	06/06/2025
2016/300	Milaperl	Crepe Myrtle		<i>Lagerstroemia</i>	<i>indica</i>	Sprint Horticulture Pty Ltd	Natura Creative	06/06/2025
2020/076	MP003	Agapanthus		<i>Agapanthus</i>	<i>hybrid</i>	Sprint Horticulture	Natura Creative Pty Ltd	09/05/2025
2020/072	BASFAscot	Wheat		<i>Triticum</i>	<i>aestivum</i>	BASF Australia Ltd	RAGT Australia	19/05/2025
2004/225	Madiba	Giant Protea		<i>Protea</i>	<i>cynaroides</i>	Proteaflora Enterprises Pty Ltd	Proteaflora Enterprises Pty Ltd	30/04/2025
2021/001	MDB001	Agapanthus		<i>Agapanthus</i>	<i>hybrid</i>	Sprint Horticulture	Natura Creative Pty Ltd	09/05/2025
2014/009	IFG Twelve	Grape vine		<i>Vitis</i>	<i>interspecific hybrid</i>	Baker McKenzie	Pizeys Patent and Trade Mark Attorneys Pty Ltd	10/04/2025
2021/296	IFG Cher-seven	Sweet Cherry		<i>Prunus</i>	<i>avium</i>	Baker McKenzie	PIZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD	10/04/2025

2021/015	IFG Twenty-five	Grape vine		<i>Vitis</i>	<i>vinifera</i>	Baker McKenzie	Pizzeys Patent and Trade Mark Attorneys Pty Ltd	10/04/2025
2021/017	IFG Thirty-three	Grape vine		<i>Vitis</i>	<i>vinifera</i>	Baker McKenzie	Pizzeys Patent and Trade Mark Attorneys Pty Ltd	10/04/2025
2013/067	Jewel of Desert Peridott	Cooper's Ice Plant		<i>Delosperma</i>	<i>cooperi</i>	Sprint Horticulture Pty Ltd	Natura Creative	16/04/2025
2023/221	CBC005	Strawberry		<i>Fragaria</i>	<i>xananassa</i>	Eurofins Agriscience Services Pty Ltd	Azaaka Pty Ltd	13/03/2025
2022/102	IFG Twenty-three	Grape vine		<i>Vitis</i>	<i>hybrid</i>	Baker McKenzie	Pizzeys Patent and Trade Mark Attorneys	07/04/2025
2015/290	WOWDRW5	Ice Plant		<i>Delosperma</i>	<i>nubigenum</i>	Sprint Horticulture	Natura Creative	15/04/2025
2020/039	SDB002	Agapanthus		<i>Agapanthus</i>	<i>hybrid</i>	Sprint Horticulture	Natura Creative Pty Ltd	28/03/2025
2012/103	FL 2215	Potato		<i>Solanum</i>	<i>tuberosum</i>	Pepsico Australia & NZ	Foote Intellectual Property Limited	26/03/2025
2012/102	FL 2204	Potato		<i>Solanum</i>	<i>tuberosum</i>	Pepsico Australia & NZ	Foote Intellectual Property Limited	26/03/2025
2021/007	Brant01	Sweet Viburnum		<i>Viburnum</i>	<i>odoratissimum</i>	Sprint Horticulture	Natura Creative	23/04/2025
2018/060	IFG Cher-two	Sweet Cherry		<i>Prunus</i>	<i>avium</i>	Baker McKenzie	Pizzeys Patent and Trade Mark Attorneys	10/04/2025
2013/165	IFG Eight	Grape vine		<i>Vitis</i>	<i>vinifera</i>	Baker McKenzie	PIZZEYS PATENT AND TRADE MARK	10/04/2025

							ATTORNEYS PTY LTD	
2021/293	IFG Cher-six	Sweet Cherry		<i>Prunus</i>	<i>avium</i>	Baker McKenzie	PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD	10/04/2025
2021/297	IFG Cher-nine	Sweet Cherry		<i>Prunus</i>	<i>avium</i>	Baker McKenzie	PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD	10/04/2025
2021/014	IFG Twenty-two			<i>Vitis</i>	<i>hybrid</i>	Baker McKenzie	Pizzeys Patent and Trade Mark Attorneys Pty Ltd	10/04/2025
2021/018	IFG Thirty-seven	Grape vine		<i>Vitis</i>	<i>hybrid</i>	Baker McKenzie	Pizzeys Patent and Trade Mark Attorneys Pty Ltd	10/04/2025
2013/065	Sabakunohoseki Garnet	Cooper's Ice Plant	Jewel of Desert Garnet	<i>Delosperma</i>	<i>cooperi</i>	Sprint Horticulture Pty Ltd	Natura Creative	16/04/2025
2024/094	CBC015	Strawberry		<i>Fragaria</i>	<i>x ananassa</i>	EUROFINS AGROSCIENCE SERVICES PTY LTD	Azaaka Pty Ltd	13/03/2025
2015/162	FL2312	Potato		<i>Solanum</i>	<i>tuberosum</i>	Pepsico Australia & NZ	Foote Intellectual Property Limited	26/03/2025
2012/101	FL 2137	Potato		<i>Solanum</i>	<i>tuberosum</i>	Pepsico Australia & NZ	Foote Intellectual Property Limited	26/03/2025

2004/087	Rigoletto	Leucospermum		<i>Leucospermum</i>	<i>cordifolium x Leucospermum glabrum</i>	Proteaflora Enterprises Pty Ltd	Proteaflora Enterprises Pty Ltd	29/04/2025
2015/315	Tamandra late navel	Sweet Orange		<i>Citrus</i>	<i>sinensis</i>		Nu Leaf I.P. Pty Ltd	04/04/2025
2019/066	IFG Cher-five	Sweet Cherry		<i>Prunus</i>	<i>avium</i>	Baker McKenzie	PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD	10/04/2025
2021/016	IFG Twenty-six	Grape vine		<i>Vitis</i>	<i>vinifera</i>	Baker McKenzie	Pizzeys Patent and Trade Mark Attorneys Pty Ltd	10/04/2025
2020/126	IFG Cher-eight	Sweet Cherry		<i>Prunus</i>	<i>avium</i>	Baker McKenzie	Pizzeys Patent and Trade Mark Attorneys Pty Ltd	10/04/2025
2015/288	WOW20111	Ice Plant		<i>Delosperma</i>	<i>nubigenum</i>	Sprint Horticulture Pty Ltd	Natura Creative	15/04/2025
2015/292	WOWDW7	Ice Plant		<i>Delosperma</i>	<i>nubigenum</i>	Sprint Horticulture Pty Ltd	Natura Creative	15/04/2025
2013/068	Sabakunohoseki Ruby	Cooper's Ice Plant	Jewel of Desert Ruby	<i>Delosperma</i>	<i>cooperi</i>	Sprint Horticulture Pty Ltd	Natura Creative	16/04/2025
2013/066	Sabakunohoseki Moon Stone	Cooper's Ice Plant	Jewel of Desert Moon Stone	<i>Delosperma</i>	<i>cooperi</i>	Sprint Horticulture Pty Ltd	Natura Creative	16/04/2025
2012/100	FL 2126	Potato		<i>Solanum</i>	<i>tuberosum</i>	Pepsico Australia & NZ	Foote Intellectual Property Limited	26/03/2025

Denomination (Variety Name) Changes

Application Number	Common Name	Synonym	Genus	Species	Changed From	Changed To	Date of Change
2023/085	Blueberry		<i>Vaccinium</i>	<i>hybrid</i>	Ridley 2503	Ridley2503	13/06/2025
2020/222	Blueberry		<i>Vaccinium</i>	<i>corymbosum</i>	Ridley 1702	Ridley1702	13/06/2025
2015/315	Sweet Orange		<i>Citrus</i>	<i>sinensis</i>	Tamandra late navel	k2	23/04/2025
2023/164	Barley		<i>Hordeum</i>	<i>vulgare</i>	AGTB0318	AGT-Spirit	28/04/2025

Change/Addition of Synonym

Application Number	Variety Name	Common Name	Genus	Species	Changed From	Changed To	Date of Change
2023/250	IB 905-3	English Lavender	<i>Lavandula</i>	<i>angustifolia</i>		SummerPurple	04/04/2025

Other Variations

Application Number	Variety Name	Common Name	Synonym	Botanical name Changed From	Botanical name Changed To	Date of Change
2020/222	Ridley1702	Blueberry		<i>Vaccinium corymbosum</i>	<i>Vaccinium</i> hybrid	18/06/2025

Corrigenda

Cowpea

Vigna unguiculata

Application Number: 2018/363

'Kalahari'

In the variety description published in the Plant Varieties Journal Vol. 34 No.2, in the conditions section, "Subsequent manual roguing occurred over the following 5 months" has been replaced with "Subsequent manual roguing occurred over the following 14 weeks" and the published table "Choice of Comparators" and "Statistical Table" has been replaced with the tables below. In the published "Variety Description and Distinctness" table "Seed: shape" has been changed to ovoid for 'Kalahari', 'BlackStallion' and 'Ebony PR' and to "rhomboid" for 'Red Caloona' and "seed: colour" has been changed to "greyed orange" for 'Kalahari' and 'Red Caloona' and for 'Red Caloona' the state of expression for "Terminal leaflet: length" and "Terminal leaflet: width" has been changed to "medium". Name of comparator has been corrected to "BlackStallion" and "Ebony PR". The comparative photo has been replaced with the photo included in this corrigenda.

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	degree of twining tendency	greater than medium
Seed	shape	rhomboid or ovoid
Seed	colour	black or orange
Seed	texture of testa	smooth
Inflorescence	standard petal colour (freshly open flower)	purple
Mature pod	curvature	slightly curved
Terminal leaflet	shape of blade	deltoid
Leaf	intensity of green colour of upper side	dark

Statistical Table				
Organ/Plant Part: Context	'Kalahari'	'BlackStallion'	'Ebony PR'	'Red Caloona'
<input checked="" type="checkbox"/> Terminal Leaflet: length (mm)				
Mean	131.05	122.91	118.83	106.89
Std. Deviation	10.20	9.21	8.70	11.71
LSD/sig	6.475	P≤0.01	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Terminal Leaflet: width (mm)				
Mean	103.57	80.09	90.24	82.87
Std. Deviation	8.00	7.03	7.23	8.61
LSD/sig	5.004	P≤0.01	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Seed: seeds per pod				
Mean	16.05	11.75	14.10	14.10
Std. Deviation	1.9	1.30	1.97	1.79
LSD/sig	1.138	P≤0.01	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Seed: 100 seed weight (g)				
Mean	17.38	8.30	13.06	13.06

Std. Deviation	0.12	0.23	0.24	0.19
LSD/sig	0.298	P≤0.01	P≤0.01	P≤0.01



Vigna unguiculata (Cowpea) variety 'Kalahari' with comparators 'BlackStallion', 'Ebony PR' and 'Red Caloona'

Sugarcane

Saccharum

Application number: 2024/208

'SRA42'

On the Plant Varieties Journal Volume 37 Number 2, in the **Acceptance** public notifications, the botanical name of application 2024/208 was published as "*Saccharum* hybrid". The correct botanical name is *Saccharum*.

Sugarcane

Saccharum

Application number: 2024/209

'SRA44'

On the Plant Varieties Journal Volume 37 Number 2, in the **Acceptance** public notifications, the botanical name of application 2024/209 was published as "*Saccharum* hybrid". The correct botanical name is *Saccharum*.

Appendices

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

Appendix 1 - Index of Accredited Consultant 'Qualified Persons'

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

Appendix 2 – Index of Accredited Non-Consultant ‘Qualified Persons’

Last Name	First Name
Manrique	Mary
Balmain	Kylie
Rogers	Joseph
Jowitt	Anita
Kammholz	Stephen
Torpy	Brendan
Webb	Chantelle
Martin	William
Arkininstall	Sean
Ansari	Omid
Fitzgibbon	John
Coventry	Stewart
Jupp	Noel
Cecil	Andrew
van Popering	Jonathan
Peck	David
Mclvor	Katie
Liu	Ming-Chung
Todd	Peter
Peck	Gavin
Tancred	Stephen
Paull	Jeffrey
van den Berg	Louisa
Granger	Andrew
Clothier	Damien
Real	Daniel
Nagel	Stuart
Clayton-Greene	Kevin
Manson	Daniel
O'Leary	Finbarr
Collins	David
Tabah	David
Kaehne	Ian
Harmer	Martin
Smark	Jordan
Campbell	David
Boorman	Des
Neal	Jodi
Madsen	Dean
Senior	Michael
Kitson	Elizabeth
Snell	Peter
Chesher	Wayne
Clifton	Hannah
Rayner	Kenneth
Shunmugam	Arun

Templeton	Kerry
Gunther	Tom
Bunker	John
Huang	Che-Lun
Newman	Allen
Liu	Ming-Chi
Topp	Bruce
Ali	Asjad
Wankhade	Ankush
Cutri	Gaethan
Sabampillai	Mahendraraj
Harrison	Robert
Lee Chang	Kim
Lee	Jou-Yi
Roche	Matthew
Pidgeon	Mark
Cameron	Nick
Syrus	Kim
Pressler	Craig
Chang	Yi-Lung
Trautwein	Michael
An	Chih-Hao
Adams	Rebecca
Ahmad	Maqbool
Chang	Sheng-Chih
Chu	Yu-Ying
Graetz	Darren
Box	Amanda
Gillies	Leanne
Hobson	Kristy
Winter	Bruce
Pike	Elise
Nemire	Bryan
Kenel	Fernand
Esmi	Ebrahim
Rasmussen	Jay
March	Timothy
Turner	Janice
Bignell	Grant
Materne	Michael
Porter	Gavin
Nichols	Phillip
Tsai	Yu-Ching
Lee	Jodie
Moisander	Jennifer
Stiller	Warwick
Watson	David
Fidgeon	Jesse
Wright	Graeme
Kretschmar	Tobias

Clingeffer	Peter
Smith	Malcolm
Smith	Chris
O'Connor	Katie
Ullah	Smi
Sayle	Riley
Dilag	Calixto
Francis	Matt
Lacey	Kevin
Dewar	Matthew
Ko	Yu-Cheng
Downe	Graeme

Appendix 3- Centralised Testing Centres

Under Plant Breeder's Rights Regulations introduced in 1996, establishments may be officially authorised by the PBR office to conduct test growing's. An authorised establishment will be known as Centralised Test Centre (CTC).

Usually, the implementation of PBR in Australia relies on a 'breeder testing' system in which the applicant, in conjunction with a nominated Qualified Person (QP), establishes, conducts, and reports a comparative trial. More often than not, trials by several breeders are being conducted concurrently at different sites. This makes valid comparisons difficult and often results in costly duplication.

While the current system is and will remain satisfactory, other optional testing methods are available which adds flexibility to the PBR process.

Centralised Testing is one such optional system. It is based upon the authorisation of private or public establishments to test one or more genera of plants. Applicants can choose to submit their varieties for testing by a CTC or continue to do the test themselves. Remember, using a CTC to test your variety is voluntary.

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

The PBR office has amended its fees so that cost savings can be passed to applicants who choose to test their varieties in a CTC. Accordingly, when one or more candidate varieties are tested, each will qualify for the CTC examination fee of \$1400. This is a saving of 30% over the normal fee of \$2000.

Establishments wishing to be authorised as a CTC may apply in writing to the PBR office outlining their claims against the selection criteria. Initially, only one CTC will be authorised for each genus. Exemptions to this rule can be claimed due to special circumstances, industry needs and quarantine regulations. Authorisations will be reviewed periodically and may be withdrawn at any time if considered no longer suitable, inactive or the listed Qualified Person(s) are no longer accredited. The onus is on the CTC establishment to contact the PBR Office if their authorisation details change. If authorisation is withdrawn then a new application will be necessary if re-authorisation is required.

Authorisation of CTCs is not aimed solely at large research institutions. Smaller establishments with appropriate facilities and experience can also apply for CTC status. There is no cost for authorisation as a CTC.

REQUESTS FOR AUTHORISATION AS A CENTRALISED TESTING CENTRE

Establishments interested in gaining authorisation as a Centralised Testing Centre should apply in writing addressing each of the Conditions and Selection Criteria outlined below.

Conditions and Selection Criteria

To be authorised as a CTC, the following conditions and criteria will need to be met: **Appropriate facilities**

While in part determined by the genera being tested, all establishments must have facilities that allow the conduct and completion of moderate to large-scale scientific experiments without undue environmental influences. Again, dependent on genera, a range of complementary testing and propagation facilities (e.g. outdoor, glasshouse, shade house, tissue culture stations) is desirable.

Experienced staff

Adequately trained staff, and access to appropriately accredited Qualified Persons, with a history of successful PVR/PBR applications will need to be available for all stages of the trial from planting to the presentation of the trial the relevant UPOV protocols, technical guideline or national descriptor for the genus should be followed. Where necessary the establishment and conduct of the trial can be discussed with the PBR office.

Industry support

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

Long-term storage of genetic material

Applicants nominate where their material is to be maintained prior to grant. However, depending upon the genus, a CTC may be in a position to collect and maintain, at minimal cost, genetic resources of vegetatively propagated species as a source of comparative varieties. Applicants indicating a willingness to act as national genetic resource centre in perpetuity will be favoured.

Contract testing for 3rd Parties

Unless exempted 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.

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

Name	Location	Approved Genera	Facilities	Name of QP	Date of accreditation	Next review date
Tahune Fields Nursery	Huon Valley Southern Tasmania	Pome Fruit	Comprehensive equipment and facilities for large scale propagation, growing, conditioning, storage, marketing and transport	G. Brown	12/03/2015	1/12/2022
Agronico Technology Pty Ltd	Leith, TAS	Solanum tuberosum	Access to tissue culture storage and mini tuber production facilities (VICSPA accredited), for storing and multiplying varieties in preparation for testing	Stewart McKay, James Hills	7/04/2016	1/12/2022
G Crumpton & Sons & Co Pty Ltd	Crawford, QLD	Duboisia	Comprehensive growing facilities	D. Loch	13/12/2016	1/12/2022
Driscolls Australia Pty Ltd	Palmwoods, QLD	Fragaria spp., Vaccinium spp., Rubus spp.	Irrigated field trial areas, laboratory facilities, glasshouse	Jennifer Moisaner	13/12/2016	1/12/2022
GrapeCo Pty Ltd	South Merbein, VIC	Vitis vinifera (Table Grape only)	Drip irrigation. Cool rooms are being installed	Ms Alison MacGregor	24/03/2022	1/02/2022

Name	Location	Approved Genera	Facilities	Name of QP	Date of accreditation	Next review date
Australian Horticultural Services	Wonga Park, VIC	Lavandula	Indoor and out growing areas	M. Lunghusen	19/12/2018	1/12/2022
Haar's Nursery	Somerville, VIC	Erysimum, Impatiens** Nemesia	Propagation greenhouses; indoor and outdoor growing areas	M. Lunghusen	19/12/2018	1/12/2020
Australian Horticultural Services	5 Lower Homestead Rd Wonga Park, VIC 3115	Lagerstroemia	Outdoor and indoor growing areas	M. Lunghusen	13/08/2021	1/12/2022
Driscolls Australia Pty Ltd	Palmwoods, QLD	Fragaria spp., Vaccinium spp., Rubus spp.	Irrigated field trial areas, laboratory facilities, glasshouse	Jennifer Moisaner	13/12/2016	1/12/2022
GrapeCo Pty Ltd	South Merbein, VIC	Vitis vinifera (Table Grape only)	Drip irrigation. Cool rooms are being installed	Ms Alison MacGregor	24/03/2022	1/02/2022
Australian Horticultural Services	Wonga Park, VIC	Lavandula	Indoor and out growing areas	M. Lunghusen	19/12/2018	1/12/2022

Name	Location	Approved Genera	Facilities	Name of QP	Date of accreditation	Next review date
Haar's Nursery	Somerville, VIC	Erysimum, Impatiens**Nemesia	Propagation greenhouses; indoor and outdoor growing areas	M. Lunghusen	19/12/2018	1/12/2020
Australian Horticultural Services	5 Lower Homestead Rd Wonga Park, VIC 3115	Lagerstroemia	Outdoor and indoor growing areas	M. Lunghusen	13/08/2021	1/12/2022

Appendix 4 – Register of Plant Varieties

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