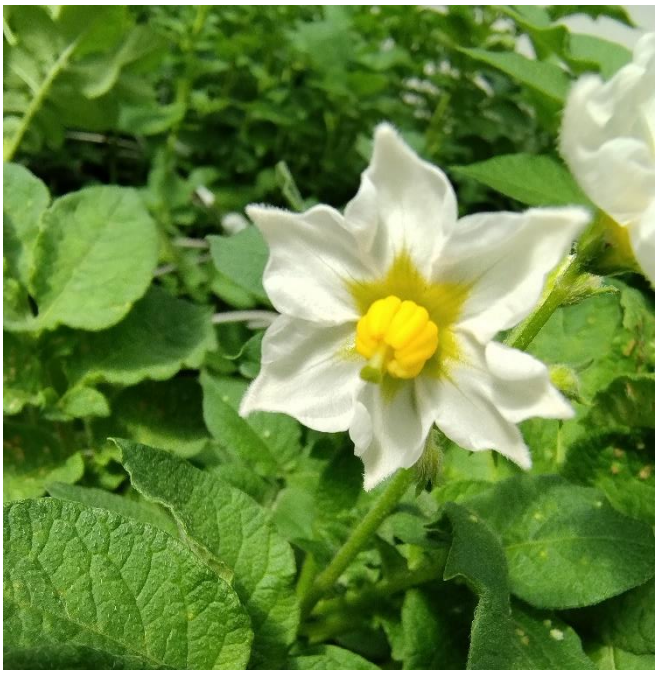
Australian Government
IP Australia

Plant Breeder's Rights



Plant Varieties Journal

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

Volume 36 Number 4

ISSN: 1030-9748

Date of Publication: 17 June 2024

Plant Varieties Journal Mailing List

The Plant Varieties Journal mailing list informs subscribers whenever the new journal is posted on the IP Australia web site.

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** (**Vol. 36 Issue 4**) are listed below:

Contents

Acceptances

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

Application Number	Variety Name	Common Name	Synonym	Genus	Species	Applicant(s)	Acceptance Date
2024/035	Brolga	Mung Bean	Not Applicable	Vigna	radiata	Grains Research and Development Corporation, State of Queensland through the Department of Agriculture and Fisheries	28/03/2024
2023/247	ICE BLUES	Lettuce	ICEBLUES	Lactuca	sativa	Syngenta Crop Protection AG	13/12/2023
2023/269	ALB Terrier	Lentil	Terrier	Lens	culinaris	Grains Research and Development Corporation; Agriculture Victoria Services Pty Ltd	19/12/2023
2024/044	MERYEM	Potato	Not Applicable	Solanum	tuberosum	Cooperatie Agrico U.A.	06/03/2024
2023/282	Floreal	Grape vine	Not Applicable	Vitis	vinifera	Institut National de Recherche pour l'Agriculture l'Alimentation et l'Environnement (INRAE)	26/03/2024
2023/260	Matata	Hebe	Not Applicable	Hebe	Comm ex. Juss	Knud Jepsen a/s	03/01/2024
2022/044	Apridelice	Apricot	Not Applicable	Prunus	armeniaca	Agro Selections Fruits SAS	12/04/2024

2024/046	PRINCE	Potato	Not Applicable	Solanum	tuberosum	Cooperatie Agrico U.A.	07/03/2024
2024/047	COCONINO	Lettuce	Not Applicable	Lactuca	sativa	Rijk Zwaan Zaadteelt en Zaadhandel B.V.	14/03/2024
2023/270	Evolution	Phalaris	Not Applicable	Phalaris	aquatica	Upper Murray Seeds	11/01/2024
2023/290	OPA21PA/23	Passionfruit	Not Applicable	Passiflora	hybrid	Oz Pash Pty Ltd	02/02/2024
2023/261	Nuhaka		Not Applicable	Hebe	Comm ex. Juss	Knud Jepsen a/s	03/01/2024
2023/264	Tikitiki	Hebe	Not Applicable	Hebe	Comm ex. Juss	Knud Jepsen a/s	03/01/2024
2023/263	Taranaki		Not Applicable	Hebe	Comm ex. Juss	Knud Jepsen a/s	03/01/2024
2024/069	Cebasred	Apricot	Not Applicable	Prunus	armeniaca	Consejo Superior de Investigaciones Cientificas (CSIC)	29/04/2024
2023/271	ANABP 08	Apple	Not Applicable	Malus	domestica	Western Australian Agriculture Authority	21/12/2023
2023/252	ICE ELECTRO	Lettuce	ICEELECTRO	Lactuca	sativa	Syngenta Crop Protection AG	15/12/2023
2023/249	ICE POP	Lettuce	ICEPOP	Lactuca	sativa	Syngenta Crop Protection AG	15/12/2023
2023/279	Mara-6	Industrial hemp	Not Applicable	Cannabis	sativa	Mara Seeds Pty Ltd	11/01/2024
2023/232	CM02	Crepe Myrtle	Not Applicable	Lagerstroemia	indica	Ozbreed Greenlife Pty Ltd	11/12/2023
2024/015	OAKITA	Lettuce	Not Applicable	Lactuca	sativa	Syngenta Crop Protection AG	05/03/2024
2023/244	P4	Mango	Not Applicable	Mangifera	indica	Colin Richard Jeacocke; Gail Dorothy Jeacocke	12/12/2023

2024/011	ZS-27	Hydrangea	Not Applicable	Hydrangea	macrophylla	Kunming Yang Rose Gardening Co., Ltd	14/02/2024
2023/272	ANABP 09	apple	Not Applicable	Malus	domestica	Western Australian Agriculture Authority	21/12/2023
2024/029	WES11	Coastal Rosemary	Not Applicable	Westringia	fruticosa	Ozbreed Greenlife Pty Ltd	26/04/2024
2023/259	Karaka	Hebe	Not Applicable	Hebe	Comm ex. Juss	Knud Jepsen a/s	03/01/2024
2024/028	Da Ross	Potato	Not Applicable	Solanum	tuberosum L.	G Trimboli & Sons Pty Ltd	20/03/2024
2023/286	OPA17TR/22	Passionfruit	n/a	Passiflora	hybrid	Oz Pash Pty Ltd	31/01/2024
2023/267	Belami	Potato	Not Applicable	Solanum	tuberosum	IPM Potato Group Limited	12/12/2023
2024/068	KILAPRINCE	White Cabbage	Not Applicable	Brassica	oleracea L. convar. capitata (L.) Alef. var. alba DC.	Syngenta Crop Protection AG	23/04/2024
2024/013	Up and Away	Lilypilly	Not Applicable	Syzygium	australe	Liam Barfoot	30/01/2024
2024/009	ZC-03	Hydrangea	Not Applicable	Hydrangea	macrophylla	Kunming Yang Rose Gardening Co., Ltd	08/04/2024
2023/288	OPA19SB/22	Passionfruit	Not Applicable	Passiflora	hybrid	Oz Pash Pty Ltd	02/02/2024
2024/060	Mojo Baby		Not Applicable	Tibouchina	hybrid	Terrance Keogh	27/03/2024
2023/284	OPA15TR/22	Passionfruit	Not Applicable	Passiflora	hybrid	Oz Pash Pty Ltd	30/01/2024
2023/262	Owaka Soft Pink		Not Applicable	Hebe	Comm ex. Juss	Knud Jepsen a/s	03/01/2024
2023/268	APB Bondi	Field Pea	Not Applicable	Pisum	sativum	Grains Research and Development Corporation; Agriculture Victoria Services Pty Ltd	14/12/2023

2023/251	IB 905-6	English Lavender	Not Applicable	Lavandula	angustifolia	Plant Growers Australia	19/12/2023
2023/224	IB 102-7	Hybrid Fuchsia	Not Applicable	Fuchsia	hybrida	Plant Growers Australia Pty Ltd	11/12/2023
2023/250	IB 905-3	English Lavender	Not Applicable	Lavandula	angustifolia	Plant Growers Australia	07/12/2023
2024/080	DrisBlueTwentyOne	Blueberry	Not Applicable	Vaccinium	corymbosum	Driscoll's Inc,	01/05/2024
2024/020	Boreal	Nectarine	Not Applicable	Prunus	persica var. nucipersica	PSB Producción Vegetal S.L.	28/03/2024
2021/236	PBI-MusGro	Indian Mustard	PBI 20 - Y	Brassica	juncea	The University of Sydney	31/01/2024
2023/243	B1	Mango	Not Applicable	Mangifera	indica	Colin Richard Jeacocke; Gail Dorothy Jeacocke	12/12/2023
2023/278	Mara-4	Industrial hemp	Not Applicable	Cannabis	sativa	Mara Seeds Pty Ltd	10/01/2024
2023/281	MUSINA	Indian mustard	Not Applicable	Brassica	juncea	The University of Sydney	27/03/2024
2023/283	OPA14TR/22	Passionfruit	n/a	Passiflora	hybrid	Oz Pash Pty Ltd	30/01/2024
2024/067	Venice	Apple	Not Applicable	Malus	domestica Borkh.	Empresa de Pesquisa Agropecuária e Extensão Rural de Santa Catarina S.A. (EPAGRI)	22/04/2024
2023/201	Bingo Gala	Apple	Royal Bingo	Malus	domestica	Jan Dawid Weigman	03/01/2024
2023/231	CM01	Crepe Myrtle	Not Applicable	Lagerstroemia	indica	Ozbreed Greenlife Pty Ltd	08/12/2023
2024/043	JACKY	Potato	Not Applicable	Solanum	tuberosum	Cooperatie Agrico U.A.	05/03/2024
2023/273	ANABP 10	Apple	Not Applicable	Malus	domestica	Western Australian	03/01/2024

						Agriculture Authority	
2023/257	SUNBERG	Lettuce	Not Applicable	Lactuca	sativa	Enza Zaden Beheer B.V.	28/03/2024
2024/034	N 0507	Tomato	Not Applicable	Solanum	lycopersicum L.	Nunhems Netherlands B.V.	02/05/2024
2023/258	Akiri	Hebe	Not Applicable	Hebe	Comm ex. Juss	Knud Jepsen a/s	03/01/2024
2024/036	Kookaburra	Mung Bean	Not Applicable	Vigna	radiata	Grains Research and Development Corporation, State of Queensland through the Department of Agriculture and Fisheries	28/03/2024
2024/008	ZAA-05	Hydrangea	Not Applicable	Hydrangea	macrophylla x arborescens	Kunming Yang Rose Gardening Co., Ltd	08/02/2024
2023/274	Red Lina	Sweet Orange	Not Applicable	Citrus	sinensis	Glenam Knott	01/02/2024
2023/256	BLUEWAVE	Blue Sedge	Not Applicable	Carex	glauca	Anthony John Osborne	18/03/2024
2023/246	Wallaroo		Not Applicable	Triticum	aestivum	Trigall Australia Pty Ltd	08/02/2024
2023/239	PMSP220865697	Spinach	Not Applicable	Spinacia	oleracea	Nunhems B.V.	22/12/2023
2024/084	Choc Leaf	Native fuchsia	Not Applicable	Correa	reflexa	Peter Flynn	15/04/2024
2024/012	ZS-28	Hydrangea	Not Applicable	Hydrangea	macrophylla	Kunming Yang Rose Gardening Co., Ltd	11/04/2024
2023/275	AFRCLSC02	Sweet Pepper	Not Applicable	Capsicum	annuum	Levon Cookson	09/01/2024
2024/051	Firefoxx	Barley	Not Applicable	Hordeum	vulgare	Ackermann Saatzucht GmbH & Co. KG	26/03/2024
2023/287	OPA18/22	Passionfruit	Not Applicable	Passiflora	hybrid	Oz Pash Pty Ltd	02/02/2024

2023/276	KAIJU	Tomato	Not Applicable	Solanum	lycopersicum	Seminis Vegetable Seeds, Inc	02/01/2024
2023/233	CM03	Crepe Myrtle	Not Applicable	Lagerstroemia	indica	Ozbreed Greenlife Pty Ltd	08/12/2023
2023/297	P130515	Spur-flower	Not Applicable	Plectranthus	hilliardiae x saccatus	The PJ Allderman Trust	03/04/2024
2024/007	ZA-03	Hydrangea	Not Applicable	Hydrangea	macrophylla	Kunming Yang Rose Gardening Co., Ltd	07/02/2024
2023/294	Goldie	Oats	Not Applicable	Avena	sativa	Minister for Primary Industries and Regional Development (Acting through the South Australian Research and Development Institute), Grains Research and Development Corporation	16/02/2024
2024/006	DA-04	Hydrangea	Not Applicable	Hydrangea	macrophylla	Kunming Yang Rose Gardening Co., Ltd	05/04/2024
2023/291	OPA22SB/23	Passionfruit	Not Applicable	Passiflora	hybrid	Oz Pash Pty Ltd	02/02/2024
2024/049	DrisStrawSeventyNine	Strawberry	Not Applicable	Fragaria	x ananassa	Driscoll's Inc	04/04/2024
2023/238	HGT1	Industrial Hemp	HGT-D01L	Cannabis	sativa	HempGenTech Pty Ltd	11/01/2024
2024/063	GUSTELLE	Tomato	Not Applicable	Solanum	lycopersicum L.	Syngenta Crop Protection AG	03/04/2024
2023/289	OPA20SB/23	passionfruit	Not Applicable	Passiflora	hybrid	Oz Pash Pty Ltd	02/02/2024

2023/293	Kishuakane	Persimmon	Not Applicable	Diospyros	kaki	Wakayama Prefecture	09/04/2024
2024/065	Isadora	Apple tree	Not Applicable	Malus	domestica	Empresa de Pesquisa Agropecuária e Extensão Rural de Santa Catarina S.A. (EPAGRI)	22/04/2024
2024/021	Mombasa	Nectarine	Not Applicable	Prunus	persica var. nucipersica	PSB Producción Vegetal S.L.	28/03/2024
2023/296	Amethyst	Spur-flower	Not Applicable	Plectranthus	hilliardiae x saccatus	The PJ Allderman Trust	26/04/2024
2023/248	ICE JAZZ	Lettuce	IceJazz	Lactuca	sativa	Syngenta Crop Protection AG	15/12/2023
2024/053	Landsdale Shinsen	Lilyturf	Not Applicable	Liriope	hybrid	Grey Willow Pty Ltd	15/04/2024
2023/240	M 03-04	Mandarin	Not Applicable	Citrus	clementina X reticulata	Commonwealth Science and Industry Research Organisation	19/12/2023
2024/014	GREGORIO	Lettuce	Not Applicable	Lactuca	sativa	Syngenta Crop Protection AG	08/03/2024
2024/001	FC 5	Rhodes Grass	Not Applicable	Chloris	gayana	GENEGRO PTY. LTD.	29/01/2024
2023/235	PS-10.1160	Strawberry	Not Applicable	Fragaria	xananassa	PLANT SCIENCES, INC.	01/02/2024
2024/010	ZS-21	Hydrangea	Not Applicable	Hydrangea	macrophylla	Kunming Yang Rose Gardening Co., Ltd	11/04/2024
2023/245	CINDITA		Not Applicable	Lactuca	sativa	Rijk Zwaan Zaadteelt en Zaadhandel B.V.	12/12/2023

2024/070	IB 705-7		Not Applicable	Correa	pulchella	Plant Growers Australia	29/04/2024
2023/292	ASX 411920	Melon	Not Applicable	Cucumis	melo	Apricus Seeds, LLC	25/01/2024
2024/066	Luiza	Apple	Not Applicable	Malus	domestica Borkh.	Empresa de Pesquisa Agropecuária e Extensão Rural de Santa Catarina S.A. (EPAGRI)	02/05/2024
2024/050	DrisBlueTwentyTwo	Blueberry	Not Applicable	Vaccinium	corymbosum	Driscoll's Inc	05/04/2024
2024/005	Jumbuck	common wheat	IGW5485	Triticum	aestivum	Centro Internacional De Mejoramiento De Maiz Y Trigo (CIMMYT)	14/02/2024
2023/285	OPA16TR/22	Passionfruit	Not Applicable	Passiflora	hybrid	Oz Pash Pty Ltd	29/01/2024
2023/265	Timaru	Hebe	Not Applicable	Hebe	Comm ex. Juss	Knud Jepsen a/s	03/01/2024
2023/280	Longford	Wheat	Not Applicable	Triticum	aestivum	AGF Seeds P/L	23/03/2024

Rejections

The following applications have been rejected under Section 30 of the Plant Breeder's Rights Act 1994, and are no longer protected by PBR:

Application Number	Variety Name	Common Name	Synonym	Genus	Species	Applicant(s)	Rejected Date
2020/125	R15-21-5	Raspberry	Not Applicable	Rubus	idaeus	Fresas Nuevos Materiales S.A.	14/03/2024

Variety Descriptions

Application no	Botanical name	Variety Name
2011/136	*Pistacia vera*	Lost Hills
2011/137	*Pistacia vera*	Golden Hills
2012/106	*Vitis vinifera*	CARA SEEDLESS
2014/289	*Prunus persica* var. *nucipersica*	Pearlwhite VII
2015/198	*Prunus persica* var. *nucipersica*	RMC16-5-3
2016/241	*Philodendron selloum*	Lickety Split
2016/340	*Lactuca sativa*	Tuccadona
2016/382	*Litchi chinensis*	Tainung No. 5
2016/383	*Litchi chinensis*	Tainung No. 3
2017/010	*Prunus persica*	Flatop
2017/034	*Prunus persica* var. *nucipersica*	Nectadiva
2017/259	*Agapanthus* hybrid	AMPU001
2017/285	*Vitis vinifera*	Sheegene 25
2018/036	*Vitis vinifera*	Stargrape-Icon
2018/037	*Vitis vinifera*	Pluto
2018/087	*Spinacia oleracea*	PMSP185200102
2018/090	*Spinacia oleracea*	PMSP188463776
2018/097	*Prunus avium*	SMS-16-CA 2014-2016
2018/100	*Actinidia chinensis*	JINSHI 1
2018/154	*Vitis vinifera*	Sugrafiftyone
2018/183	*Prunus persica* var. *nucipersica*	NECTAFLASH
2018/184	*Prunus persica* var. *nucipersica*	CAKEDELICE
2018/185	*Prunus persica*	FLATDIVA
2018/186	*Prunus armeniaca*	APRINEW
2018/187	*Prunus avium*	FIRELAM
2018/260	*Cicer arietinum*	AGV1001
2018/261	*Cicer arietinum*	AGV1002
2018/322	*Cucumis melo*	Flavor Journey
2019/028	*Metrosideros collina*	MB01
2019/108	*Triticum aestivum*	RockStar
2019/213	*Hordeum vulgare*	Maximus

2019/222	*Lens culinaris*	GIA Leader
2019/223	*Pisum sativum*	GIA Kastar
2019/224	*Lens culinaris*	GIA Sire
2020/002	*Lactuca sativa*	KINTELMO
2020/036	*Lactuca sativa*	POPLAR
2020/163	*Hordeum vulgare*	Commodus
2020/283	*Rubus idaeus*	AUS-MAJESTIC
2020/307	*Solanum lycopersicum*	MISTELA
2021/024	*Prunus salicina*	WM-1
2021/036	*Rubus idaeus*	Nobility
2021/170	*Passiflora* hybrid	OPA4/19
2021/171	*Passiflora* hybrid	OPA5/19
2021/172	*Passiflora* hybrid	OPA11/19
2021/173	*Passiflora* hybrid	OPA6/19
2021/174	*Passiflora* hybrid	OPA12/19
2021/175	*Passiflora* hybrid	OPA7/19
2021/176	*Passiflora* hybrid	OPA3/19
2021/177	*Passiflora* hybrid	OPA13/19
2021/191	*Vitis vinifera*	Itumsixteen
2021/192	*Vitis vinifera*	Itumfifteen
2021/193	*Vitis vinifera*	Itumten
2021/194	*Colocasia hybrid*	Cophama
2021/239	*Fragaria × ananassa*	INSPIRE
2022/083	*Lavandula pedunculata*	IB 610-7
2022/085	*Lavandula pedunculata*	IB61015
2022/086	*Lavandula pedunculata*	IB6101
2022/139	*Hordeum vulgare*	Neo
2022/151	*Saccharum* hybrid	SRAW33
2022/180	*Lactuca sativa*	LICS20-0004
2022/211	*Prunus persica* var. *nucipersica*	CLARISS
2022/212	*Prunus persica* var. *nucipersica*	KINOLEA
2022/295	*Prunus avium L.*	Prim 31
2023/008	*Convolvulus sabatius*	IB 810-4

2023/009	*Convolvulus sabatius*	IB 810-3
2023/010	*Convolvulus sabatius*	IB 710-1
2023/011	*Convolvulus sabatius*	IB 710-17
2023/012	*Convolvulus sabatius*	IB 810-2
2023/039	*Brassica oleracea L. convar. Botrytis* (L) Alef. Var. *botrytis*	Dark Vader
2023/055	*Hordeum vulgare*	Magnate
2023/069	*Hordeum vulgare*	Tycoon
2023/073	*Lactuca sativa*	MULTIGREEN 148
2023/085	*Vaccinium* hybrid	Ridley 2503
2023/087	*Brassica napus*	DG Avon TT
2023/135	*Lactuca sativa*	ICE DESERT
2023/141	*Cucumis melo*	SILVER DEW
2023/162	*Fragaria xananassa*	Stella-ASBP
2023/163	*Fragaria xananassa*	SW20-317-ASBP

Details of Application

Application Number	2011/136
Variety Name	'Lost Hills'
Genus Species	*Pistacia vera*
Common Name	Pistachio
Synonym	
Accepted Date	05-Jul-2012
Applicant	The Regents of the University of California, Oakland, CA 94607, USA
Agent	NU LEAF I.P. PTY LTD, Gol Gol, NSW 2738
Qualified Person	Matthew Cottrell

Details of Comparative Trial

Overseas Testing Authority	*Community Plant Variety Office, Angers, France*
Overseas Data Reference Number	*2011/1546*
Location	OFA-Roma, Via di Fioranello, 52, 00134, Rome, Italy
Descriptor	TP Pistacchio – IT
Period	2014-2020
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 cross that produced 'Lost Hills' was made between a *Pistacia vera* female '2-35' and a *Pistacia vera* male 'ES#6'. This seedling was designated as B19-12. Buds from this seedling tree were budded to rootstocks planted in an advanced selection trial in a plot near Lost Hills, California. Each plant selection is represented by 2 replicates of 10 trees grafted to 'UCB1' rootstock and 10 trees grafted to 'PG-1' rootstock per replicate. Nursery rootstock trees were budded with this selection and were used to plant a second advanced selection trial in Madera County north of Fresno, California. Each plant selection is represented by two replicates of 5 trees grafted to 'UCB1' and 5 trees grafted to 'PG-1' per replicate. This selection flowered and fruited. Breeder: The Regents of the University of California, Oakland, CA 94607, 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	sex	Female
Plant	growth habit	upright to spreading
Time of	beginning of vegetative bud burst	late
Time of	beginning of flowering	late
Nut	shape in lateral view	elliptic
Flower	time of beginning of flowering	late

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Kerman'	

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

Organ/Plant Part: Context	'Lost Hills'	'Kerman'
☐ Plant: sex	female	
☐ Plant: vigour	weak	
☐ Plant: density of canopy	sparse	
☐ Young shoot: intensity of anthocyanin colouration of growing tip	absent or very weak	
☐ Leaf: intensity of green colour of upper side	dark	
☐ Leaf: length of petiole	long	
☒ Terminal leaflet: length	long	very long
☒ Terminal leaflet: width	medium	very broad
☐ Terminal leaflet: ratio length/width	medium	
☐ Terminal leaflet: shape of apex	rounded	

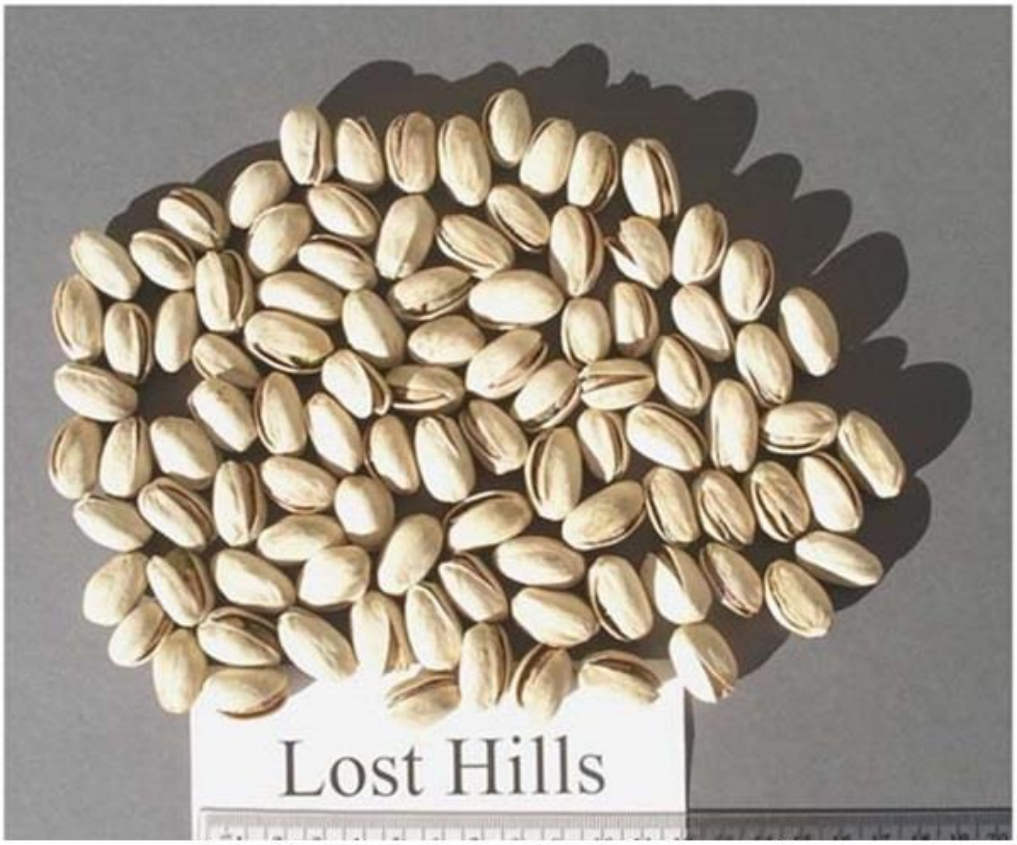
☐	Terminal leaflet: shape of base	acute	
☐	Terminal leaflet: asymmetry at base	absent or weak	
☒	Female plant flower bud: shape	ellipsoid	globose
☐	Female plant flower bud: colour	dark brown	
☐	Hull: dehiscence	medium	
☐	Hull: prominence of tip	medium	
☐	Nut: length	long	
☐	Nut: width	broad	
☐	Nut: shape of apex in lateral view	rounded	
☐	Nut: presence of tip	absent	
☒	Nut: depression of shell near pedicel	absent or shallow	medium
☐	Nut: position of suture opening	equally dorsal and ventral side	
☐	Nut: width of suture opening	medium	
☐	Nut: shell staining	weak	
☐	Kernel: weight	high	
☐	Time of beginning: Vegetative bud burst	late	
☒	Kernel: colour	green	yellowish green
☐	Time of: beginning of flowering	late	
☒	Time of: maturity for harvest	medium	late

Prior Applications and Sales:

Country	Year	Status	Name Applied
USA	2005	granted	'Lost Hills'

First sold in USA as 'Lost Hills' on 1st July 2005

Description: **Matthew Cottrell**, Gol Gol, NSW 2738



Pistachio (*Pistacia vera*) variety 'Lost Hills'

Details of Application

Application Number	2011/137
Variety Name	'Golden Hills'
Genus Species	*Pistacia vera*
Common Name	Pistachio
Synonym	
Accepted Date	05 Jul 2012
Applicant	The Regents of the University of California, Oakland, CA 94607, USA
Agent	NU LEAF I.P. PTY LTD, Gol Gol, NSW 2738
Qualified Person	Matthew Cottrell

Details of Comparative Trial

Overseas Testing Authority	*Community Plant Variety Office, Angers, France*
Overseas Data Reference Number	2011/1545
Location	OFA-Roma, Via di Fioranello,52, 00134, Rome, Italy
Descriptor	TP Pistacchio - IT
Period	2014-2020
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 cross that produced 'Golden Hills' was made between a *Pistacia vera* female '2-35' and a *Pistacia vera* male 'ES#2'. This seedling was designated as B22-31. Buds from this seedling tree were budded to rootstocks in an advanced selection trial near Lost Hills, California. Each cultivar is represented by 2 replicates of 10 trees grafted to 'UCB-1' and 10 trees grafted to 'PG-1' per replicate. Nursery rootstock trees were budded with this selection and used to plant a second advanced selection trial in Madera County north of Fresno, California. Each plant selection is represented by two replicates of 5 trees grafted to 'UCB-1' and 5

trees grafted to 'PG-1' per replicate. This selection flowered and fruited. Breeder: The Regents of the University of California, Oakland, CA 94607, 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
Time of	beginning of flowering	late
Plant	Sex	female
Plant	Growth habit	Upright to spreading
Nut	Shape in lateral view	elliptic
Kernel	colour	green
Time of	Beginning of vegetative bud burst	late

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Kerman'	

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

Organ/Plant Part: Context	'Golden Hills'	'Kerman'
☐ Plant: sex	female	
☐ Plant: vigour	weak	
☐ Plant: density of canopy	sparse	
☐ Young shoot: intensity of anthocyanin colouration of growing tip	medium	
☐ Leaf: intensity of green colour of upper side	dark	
☐ Leaf: length of petiole	medium	
☒ Terminal leaflet: length	medium	very long
☒ Terminal leaflet: width	medium	very broad
☐ Terminal leaflet: ratio length/width	medium	

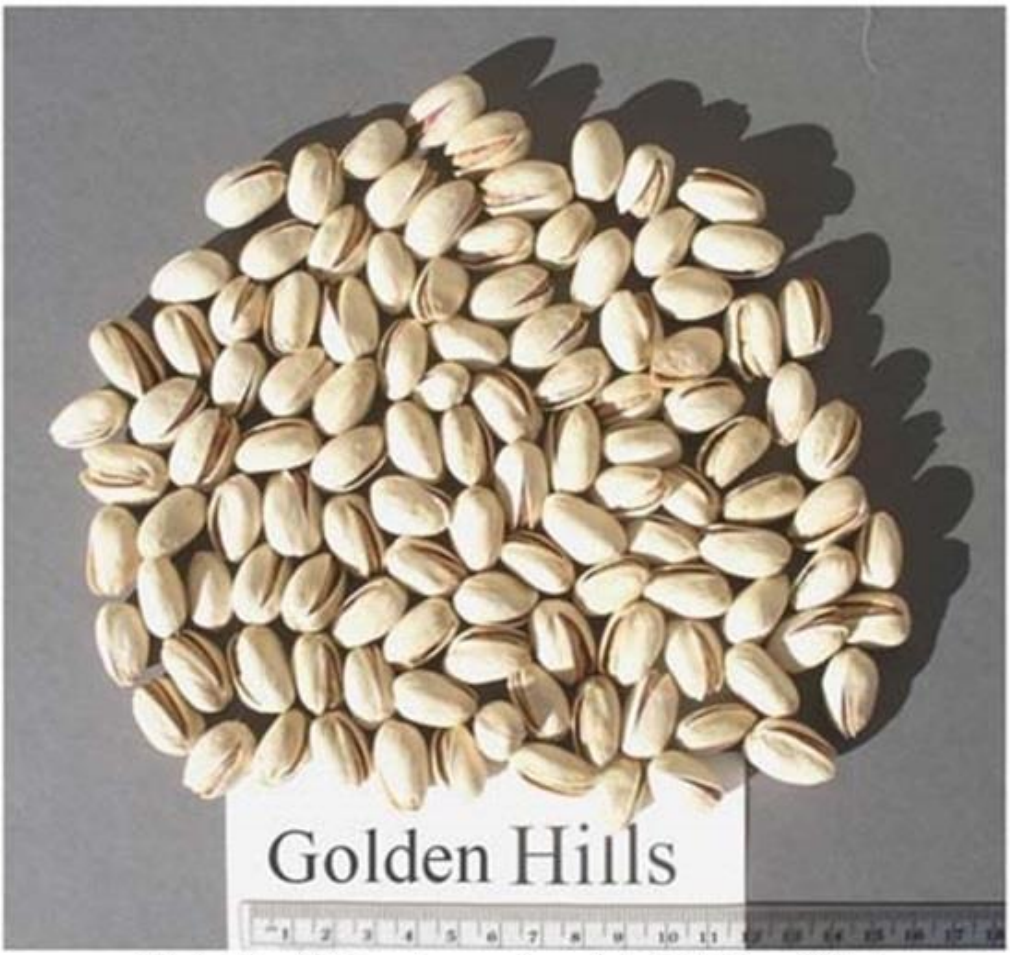
☐	Terminal leaflet: shape of apex	rounded	
☐	Terminal leaflet: shape of base	acute	
☐	Terminal leaflet: asymmetry at base	absent or weak	
☒	Female plant flower bud: shape	ovoid	globose
☐	Female plant flower bud: colour	dark brown	
☐	Hull: dehiscence	medium	
☐	Hull: prominence of tip	absent or weak	
☐	Nut: length	medium	
☒	Nut: width in ventral view	medium	broad
☐	Nut: shape of apex in lateral view	rounded	
☐	Nut: presence of tip	absent	
☐	Nut: depression of shell near pedicel	absent or shallow	
☐	Nut: position of suture opening	equally dorsal and ventral side	
☐	Nut: width of suture opening	medium	
☐	Nut: shell staining	weak	
☐	Kernel: weight	high	
☐	Vegetative bud burst: time of beginning	late	
☐	Flowering: time of beginning	late	
☒	Harvest maturity: time of	medium	late

Prior Applications and Sales:

Country	Year	Status	Name Applied
USA	2005	granted	'Golden Hills'

First sold in USA as 'Golden Hills' on 1st July 2005

Description: **Matthew Cottrell**, Gol Gol, NSW 2738



Pistachio (*Pistacia vera*) variety 'Golden Hills'

Details of Application

Application Number	2012/106
Variety Name	'CARA SEEDLESS'
Genus Species	*Vitis vinifera*
Common Name	Grape vine
Synonym	
Accepted Date	21 Dec 2012
Applicant	Luribay Business, Inc, Panama
Agent	Griffith Hack, Melbourne VIC 3000
Qualified Person	Mark Lunghusen

Details of Comparative Trial

Overseas Testing Authority	CPVO (Examination office: CREA-VE)
Overseas Data Reference Number	Application number: 2012/2787
Location	CREA-VIT Via XXVIII Aprile, 26, 31015 Conegliano TV, Italy
Descriptor	CPVO-TP/050/2 Final
Period	2013 to 2017
Conditions	As per the CPVO Test Report provided for Variety 2012/2787
Trial Design	In accordance to UPOV test guidelines.
Measurements	In accordance to UPOV test guidelines.
RHS Chart - edition	N/A

Origin and Breeding

Controlled pollination: A grapevine breeding program where in two parents were crossed which previously had been studied. Such breeding program was initiated during 1992 near Delano in the San Joaquin Valley of Central California, USA. The cross that resulted in the creation of the new variety was made in 1993. The female parent (i.e. the seed parent) of the new variety was the 'Ribier' seeded grape variety (non-patented in the USA). The 'Ribier' variety originated in France and sometimes is known as the 'Alphonse Lavallee' variety. The male parent (i.e. the pollen parent) of the new variety was the 'Crimson' seedless grape variety (non-patented in the USA). The seeds resulting from the above pollination were sown and small seedling plants were obtained which were physically and biologically different from each other. The resulting seedling plans were evaluated in detail and the new variety was selected. The new variety has been found to undergo asexual propagation beginning in 1998 near Delano in the San Joaquin Valley of Central California, USA, by grafting on mature 'Thompson Seedless' rootstock (non-patented in the USA). Such asexual propagation has been conducted thereafter in successive

years through 2006 and has shown that the characteristics of the new variety are strictly transmissible from one generation to another. Accordingly, the new variety undergoes asexual propagation in a true to type manner. Breeder: Joseph Maranto, Bakersfield, 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
Berry	formation of seeds	rudimentary
Berry	particular flavour	none
Berry	anthocyanin colouration of flesh	absent or very weak
Berry	colour of skin (without bloom)	blue black
Berry	shape	obtuse ovoid
Ripening	time of beginning of berry ripening	very early
Mature Leaf	number of lobes	five
Flower	sexual organs	fully developed stamens and fully developed gynoecium
Young Leaf	prostrate hairs between main veins on lower side of blade	absent or very sparse
Young Leaf	colour of upper side of blade	green with anthocyanin spots
Young Shoot	openness of tip	fully open

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Ruby Seedless'	

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

'Summer Royal'	Berry: size	large		medium
'Autumn Royal'	Berry: colour of skin	Blue black		Purple to black

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

Organ/Plant Part: Context	**'CARA SEEDLESS'**	**'Ruby Seedless'**
☐ *Time of: bud burst	very early	
☐ *Young shoot: openness of tip	fully open	
☐ *Young shoot: prostrate hairs on tip	absent or very sparse	
☐ *Young shoot: anthocyanin colouration of prostrate hairs on tip	absent or very weak	
☐ Young shoot: erect hairs on tip	absent or very sparse	
☒ *Young leaf: colour of upper side of blade	green with anthocyanin spots	wine red
☐ *Young leaf: prostrate hairs between main veins on lower side of blade	absent or very sparse	
☐ Young leaf: erect hairs on main veins on lower side of blade	absent or very sparse	
☐ Shoot: attitude (before tying)	semi-erect	
☐ Shoot: colour of dorsal side of internodes	green and red	
☐ *Shoot: colour of ventral side of internodes	green	
☐ Shoot: colour of dorsal side of nodes	green and red	
☐ Shoot: colour of ventral side of nodes	green	
☐ Shoot: erect hairs on internodes	absent or very sparse	
☐ Shoot: length of tendrils	long	
☐ *Flower: sexual organs	fully developed stamens and fully developed gynoecium	

☐ *Mature leaf: size of blade	large	
☐ *Mature leaf: shape of blade	pentagonal	
☐ Mature leaf: blistering of upper side of blade	absent or very weak	
☐ *Mature leaf: number of lobes	five	
☐ Mature leaf: depth of upper lateral sinuses	shallow	
☐ Mature leaf: arrangement of lobes of upper lateral sinuses (varieties with lobed leaves only)	slightly overlapped	
☐ *Mature leaf: arrangement of lobes of petiole sinus	slightly open	
☐ *Mature leaf: length of teeth	medium	
☐ *Mature leaf: ratio length/width of teeth	medium	
☐ *Mature leaf: shape of teeth	both sides convex	
☐ *Mature leaf: proportion of main veins on upper side of blade with anthocyanin colouration	absent or very low	
☐ Mature leaf: prostrate hairs between main veins on lower side of blade	absent or very sparse	
☐ *Mature leaf: erect hairs on main veins on lower side of blade	absent or very sparse	
☐ Mature leaf: length of petiole compared to length of middle vein	moderately longer	
☐ *Time of: beginning of berry ripening	very early	
☐ *Bunch: size (peduncle excluded)	very large	
☐ *Bunch: density	medium	
☐ Bunch: length of peduncle of primary bunch	medium	
☐ *Berry: size	large	
☐ *Berry: shape	obtuse ovoid	
☒ *Berry: colour of skin (without bloom)	blue black	dark red violet
☐ Berry: ease of detachment from pedicel	difficult	

☐ Berry: thickness of skin	thick
☐ *Berry: anthocyanin colouration of flesh	absent or very weak
☐ Berry: firmness of flesh	very firm
☐ *Berry: particular flavour	none
☐ *Berry: formation of seeds	rudimentary
☐ Woody shoot: main colour	yellowish brown

Prior Applications and Sales:

Country	Year	Status	Name Applied
Chile	2008	pending	'CARA SEEDLESS'
South Africa	2009	pending	'CARA SEEDLESS'
USA	2007	granted	'CARA SEEDLESS'

No prior sale.

Description: **Mark Lunghusen** , Melbourne

Grape vine (*Vitis vinifera*) variety 'CARA SEEDLESS'

Details of Application

Application Number	2014/289
Variety Name	'Pearlwhite VII'
Genus Species	*Prunus persica* var. *nucipersica*
Common Name	Nectarine
Synonym	
Accepted Date	01 Apr 2015
Applicant	Lowell Glen Bradford, Le Grand, California, USA
Agent	Montague Fresh, Narre Warren North, Vic 3804
Qualified Person	Krys Lockhart

Details of Comparative Trial

Overseas Testing Authority	*USPTO, USA*
Overseas Data Reference Number	*PP23,608 P2*
Location	Le Grand, California, USA
Descriptor	TG/53/6
Period	2005 – 2007
Conditions	As per USPTO data
Trial Design	Per USPTO guidelines.
Measurements	Per USPTO guidelines.
RHS Chart - edition	N/A

Origin and Breeding

Controlled pollination: In a continuing effort to improve the quality of shipping fruits, I, the inventor, typically hybridize many peaches, nectarine, plum, apricot, and cherry seedlings each year. I also grow a lesser number of open pollinated seeds of each of these fruits, usually to capture recessive traits. The present invention relates to a new and distinct variety of nectarine tree, which has been denominated varietally as 'Pearlicious VII'. The present variety was hybridized by me in 2001 as a first generation cross using 'June Pearl' (United States Plant Patent number 9,360) nectarine as the selected seed parent and an unnamed yellow flesh nectarine designated by code number '1P1152' (unpatented) as the selected pollen parent. The fruit of this cross was gathered in the spring of 2001, and the seeds were removed from the fruit, germinated, stratified, and grown as seedlings on their own root in my greenhouse. Upon reaching dormancy that winter, the

seedlings were transplanted as a group to a cultivated area of my experimental orchard located near Le Grand, California, in Merced County (San Joaquin Valley). During the fruit evaluation season of 2005, I selected the present variety as a single tree from the group of seedlings described above. After origination of the present variety of nectarine tree, I asexually reproduced it by budding and grafting in the experimental orchard described above, and such reproduction of plant and fruit characteristics were true to the original plant in all respects. The reproduction of the variety included the use of 'Nemaguard' (unpatented) rootstock upon which the present variety was compatible and true to type. Breeder: Lowell Glen Bradford, Le Grand, 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
Stone	degree of adherence to flesh	very strong
Fruit	extent of overcolour	very large
Fruit	firmness of flesh	firm
Fruit	maturity	medium

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Candy Pearl' (USPP14249)	

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

Organ/Plant Part: Context	'Pearlwhite VII'	'Candy Pearl'
☐ *Tree: size	large	
☐ Tree: vigour	strong	
☐ *Tree: habit	spreading	
☐ *Flower: type	rosette	
☐ *Corolla: main colour (inner side)	light pink	
☐ *Petal: shape	medium elliptic	
☐ *Petal: width (varieties with flower type: rosette only)	medium	

☐ *Flower: number of petals	five
☐ *Stigma: position compared to anthers	below
☐ *Anthers: pollen	present
☐ *Ovary: pubescence	absent
☐ *Leaf blade: length	medium to long
☐ *Leaf blade: width	broad
☐ *Leaf blade: ratio length/width	high
☐ *Petiole: nectaries	present
☒ *Petiole: shape of nectaries	round reniform
☐ *Fruit: size	large
☐ *Fruit: shape (in ventral view)	circular
☐ *Fruit: ground colour of skin	cream
☐ *Fruit: relative area of over colour of skin	large
☐ Fruit: hue of over colour of skin	dark red
☐ Fruit: pattern of over colour of skin	solid flush
☐ *Fruit: pubescence of skin	absent
☐ *Fruit: density of pubescence of skin	very sparse
☐ *Fruit: firmness of flesh	firm
☐ *Fruit: carotenoid colouration of flesh	cream white
☐ *Fruit: anthocyanin colouration of flesh next to skin	absent or very weak
☐ *Fruit: anthocyanin colouration of flesh in central part of flesh	absent or very weak
☐ *Fruit: anthocyanin colouration of flesh around stone	absent or weak
☐ *Fruit: acidity	medium
☐ *Stone: size compared to fruit	small
☐ *Stone: shape (in lateral view)	elliptic

☐ *Stone: adherence to flesh	present
☐ *Time of: beginning of flowering	early to medium
☐ *Time of: maturity for consumption	medium

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Pearlwhite VII'	'Candy Pearl'
☒ *Stone: bitterness in kernel	absent	present

Prior Applications and Sales:

Country	Year	Status	Name Applied
USA	2011	granted	'Pearlicious VII'

First sold in USA as 'Pearlicious VII' on 15th Dec 2012

Description: **Krys Lockhart**, Montague Fresh, Narre Warren North, Vic 3804

Nectarine (*Prunus persica* var. *nucipersica*) variety ‘Pearlwhite VII’

Details of Application

Application Number	2015/198
Variety Name	'RMC16-5-3'
Genus Species	*Prunus persica* var. *nucipersica*
Common Name	Nectarine
Synonym	
Accepted Date	25 Aug 2015
Applicant	Rene Monteux-Caillet, Mouries, France
Agent	Australian Nurseryman's Fruit Improvement Company Ltd (ANFIC), Kallangur, QLD 4503
Qualified Person	Dr Gavin Porter, Kallangur, QLD 4503
Author of Description	Dr Gavin Porter

Details of Comparative Trial

Location	Bookpurnong, South Australia
Descriptor	TG/53/7
Period	2022
Conditions	Trees were grown in a commercial orchard with the comparators. Commercial conditions for irrigation, nutrition and plant protection were practised and average weather conditions were experienced during the 2022 growing season.
Trial Design	Complete tree rows of RMC 16-5-3 and its comparators, Spring Bright and Honey Fire were planted and data collected from a minimum of 10 trees each.
Measurements	Measurements were taken as per the technical guideline.
RHS Chart - edition	

Origin and Breeding

Controlled pollination: 'RMC16-5-3' was selected from a population of seedlings derived from crossing Yellow nectarine 465 x Yellow nectarine 'Prunelle' in Mr Monteux-Caillet orchard, France. Breeder: Rene Monteux-Caillet, Mouries, France

Choice of Comparators:

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Fruit	Harvest maturity	early to mid season
Stone	Adherence to flesh	present
Fruit	Ground colour of flesh	Yellow

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Spring Bright'	
'Honey Fire'	

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
'Monerin'	Fruit: shape	round	oblong	

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

Organ/Plant Part: Context	'RMC16-5-3'	'Honey Fire'	'Spring Bright'
☐ Tree: size	medium to large	large	large
☐ Tree: vigour	large	large	large
☐ Tree: habit	upright to spreading	upright to spreading	upright
☐ Flowering shoot: thickness	thin to medium	thin to medium	thin to medium
☐ Flowering shoot: length of internodes	medium	medium	medium
☒ Flowering shoot: presence of anthocyanin colouration	present	present	absent
☐ Flowering shoot: intensity of anthocyanin colouration	very weak	very weak	

☐ Flowering shoot: density of flower buds	medium	medium	medium
☐ Flower: type	rosette	rosette	rosette
☐ Corolla: main colour (inner side)	light pink	medium pink	very light pink
☒ Petal: shape	medium elliptic	circular	circular
☒ Petal: width	medium	broad	broad
☒ Rosette petal: width	medium	broad	broad
☐ Flower: number of petals	five	five	five
☐ Stamen: position compared to petals	same level	same level	same level
☐ Stigma: position compared to anthers	below	below	below
☐ Anthers: pollen	present	present	present
☐ Ovary: pubescence	absent	absent	absent
☐ Stipule: length	short	short	short
☐ Leaf blade: length	medium to long	medium to long	long
☐ Leaf blade: width	medium to broad	medium to broad	medium to broad
☐ Leaf blade: ratio length/width	medium	medium	medium to high
☐ Leaf blade: shape in cross section	flat	flat	flat
☐ Leaf blade: angle at base	acute	acute	acute
☐ Leaf blade: angle at apex	small	small	small
☐ Leaf blade: colour	medium green	medium green	medium green
☐ Leaf blade: red mid-vein on the lower side	absent	absent	absent
☐ Petiole: length	short to medium	short	short
☐ Petiole: nectaries	present	present	present
☒ Petiole: shape of nectaries	reniform	reniform	round
☐ Fruit: size	medium to large	medium to large	medium to large

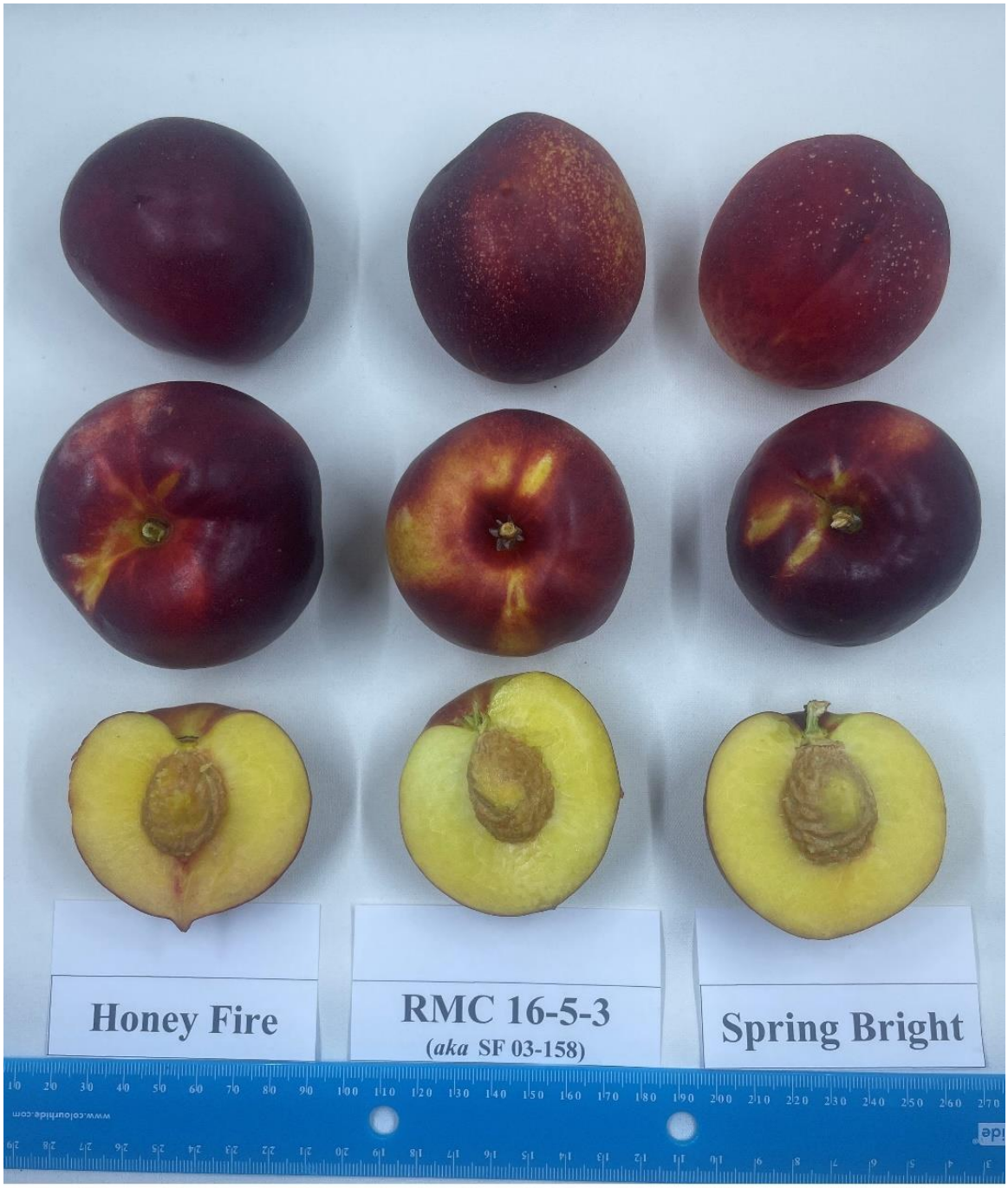
☐ Fruit: shape (in ventral view)	circular	circular	circular
☒ Fruit: shape of pistil end (excluding mucron tip)	weakly pointed	weakly pointed	weakly depressed
☒ Fruit: symmetry (viewed from pistil end)	symmetric	strongly asymmetric	symmetric
☐ Fruit: prominence of suture	very weak to weak	very weak to weak	weak
☐ Fruit: depth of stalk cavity	shallow to medium	shallow	shallow
☐ Fruit: width of stalk cavity	medium	medium	medium
☐ Fruit: ground colour of skin	greenish yellow	greenish yellow	greenish yellow
☐ Fruit: relative area of over colour of skin	very large	very large	very large
☐ Fruit: hue of over colour of skin	dark red	dark red	dark red
☒ Fruit: pattern of over colour of skin	mottled	solid flush	mottled
☐ Fruit: pubescence of skin	absent	absent	absent
☐ Fruit: glossiness	medium	medium	medium
☒ Fruit: thickness of skin	thin	medium	medium
☐ Fruit: adherence of skin to flesh	medium to strong	strong	strong
☐ Fruit: firmness of flesh	firm	firm	firm
☐ Fruit: carotenoid colouration of flesh	light yellow	yellow	light yellow
☐ Fruit: anthocyanin colouration of flesh next to skin	absent	absent	absent
☐ Fruit: anthocyanin colouration of flesh in central part of flesh	absent	absent	absent
☐ Fruit: anthocyanin colouration of flesh around stone	absent	absent	absent
☐ Fruit: flesh fibre	absent or weak	absent or weak	absent or weak
☒ Fruit: sweetness	high	medium	medium
☒ Fruit: acidity	low	very low	medium
☒ Stone: size in relation to fruit	small to medium	medium to large	small to medium

☒ Stone: shape (in lateral view)	elliptic	elliptic	circular
☐ Stone: intensity of brown colour	light to medium	medium to dark	light
☒ Stone: relief of surface	only grooves	equally pits and grooves	equally pits and grooves
☐ Stone: adherence to flesh	present	present	present
☐ Stone: degree of adherence to flesh	medium to strong	medium to strong	strong
☐ Leaf bud: time of beginning of burst	early to medium	early	early to medium
☐ Flower: time of beginning of flowering	early to medium	early	early to medium
☐ Fruit: time of maturity	early	very early to early	early

Prior Applications and Sales:

No prior sale or applications.

Description: **Dr Gavin Porter,** ANFIC Ltd, Kallangur, QLD 4503



Nectarine (*Prunus persica* var. *nucipersica*) variety 'RMC16-5-3' with comparators 'Honey Fire' and 'Spring Bright'

Details of Application

Application Number	2016/241
Variety Name	'Lickety Split'
Genus Species	*Philodendron selloum*
Common Name	Lacy Tree Philodendron
Accepted Date	04-Apr-2017
Applicant	Oglesby Plants International, Inc., Florida 32421, USA
Agent	Oasis Horticulture Pty Limited, Yellow rock, NSW 2777
Qualified Person	Tim Angus

Details of Comparative Trial

Location	Yellow Rock, NSW, Australia
Descriptor	National descriptor - General Descriptor (for plant varieties with no descriptor available)
Period	August 2019 -October 2019
Conditions	Trial grown in indoor conditions at Yellow Rock with rooted cuttings propagated at Yellow Rock and potted into 140 mm standard pots in commercial potting mix; nutrients supplied by slow release and liquid feed fertiliser application; plant protection sprays applied as required.
Trial Design	Plants grown in separate blocks side by side
Measurements	10 plants per variety at random
RHS Chart - edition	2001

Origin and Breeding

Spontaneous mutation or sport: The plant which became 'Lickety Split' was first observed in September 2010 among a population of *P. selloum* var. 'Hope' plants propagated by tissue culture at Altha, Florida. Following this the selection was propagated by tissue culture with cultures being initiated in June 2012. The first planting out of micro-cuttings occurred in February 2013. Three cycles of propagation (generations) were carried out to confirm characteristics, stability, and uniformity. Breeder: Gary Hennen, Oglesby Plants International Inc., Florida 32421, 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 blade	lobes	deeply incised

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Hope'	parent plant of 'Lickety Split'
'Sarah's Way'	IP Australia PBR application number 2001/268

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
'Sarah's Way'	Leaf blade: midrib colour	mid to dark green	pale green with yellow hue	
'Sarah's Way'	Petiole length	short to medium	long	

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

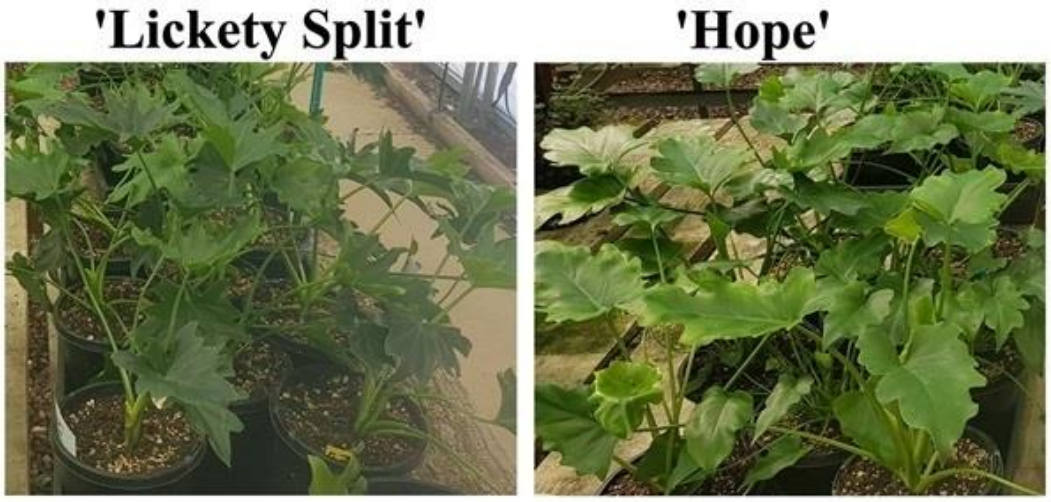
Organ/Plant Part: Context	'Lickety Split'	'Hope'
☐ Plant: type	herbaceous perennial	herbaceous perennial
☒ Plant: growth habit	spreading	erect
☒ Plant: height	short to medium	medium to tall
☐ Stem: degree of hairiness	absent or low	absent or low
☐ Stem: thorns, prickles, spines etc	absent	absent
☐ Stem: presence of anthocyanin in new growth	absent	absent
☐ Leaf: leaf type	simple	simple
☒ Leaf: size	medium	very small to small

☐ Leaf: attitude	erect	erect
☒ Leaf: length of blade	medium to long	short to medium
☒ Leaf: width of blade	medium to broad	narrow
☒ Leaf: length of petiole	short to medium	medium to long
☐ Leaf: shape	pinnatifid	pinnatifid
☐ Leaf: shape of apex	acuminate	acuminate
☐ Leaf: shape of base	cordate	cordate
☐ Leaf: incision of margin	present	present
☒ Leaf: depth of incision	deep	shallow to medium
☐ Leaf: type of incision	crenately lobed	crenately lobed
☐ Leaf: undulation of the margin	medium	medium
☐ Leaf: curvature of longitudinal axis	incurved	incurved
☐ Leaf: glossiness of upper side	medium	medium
☒ Leaf: green colour	medium to dark	light to medium
☐ Leaf: presence of variegation	absent	absent
☐ Leaf colour: number of colours	one	one

Prior Applications: Nil

First sold in USA in Dec 2014.

Description: Tim Angus, Wellington, New Zealand



Lace Tree Philodendron (*Philodendron selloum*) variety 'Lickety Split' and its comparator 'Hope' showing differences in leaf colour

Details of Application

Application Number	2016/340
Variety Name	'Tuccadona'
Genus Species	*Lactuca sativa*
Common Name	Lettuce
Synonym	
Accepted Date	16-Jan-2017
Applicant	Rijk Zwaan Zaadteelt en Zaadhandel B.V., Netherlands
Agent	Spruson & Ferguson, NSW 2000
Qualified Person	Ean Blackwell

Details of Comparative Trial

Overseas Testing Authority	Naktuinbouw, NL
Overseas Data Reference Number	SLA3614
Location	Naktuinbouw, ROELOFARENDSVEEN, NL
Descriptor	TP/13/5 d.d. 16-02-2011
Period	2016
Conditions	In the open
Trial Design	In accordance with TP/13/5 d.d. 16-02-2011
Measurements	In accordance with TP/13/5 d.d. 16-02-2011
RHS Chart - edition	

Origin and Breeding

Controlled pollination: a modified line and a pedigree selection method was used to select 'Tuccadona' (breeder's reference '41-514 RZ') out of a cross between 'AUVONA' and an unnamed Rijk Zwaan breeding line. Breeder: Rijk Zwaan Zaadteelt en Zaadhandel B.V., Netherlands

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	type	cos lettuce (Roman lettuce)

Type of culture		in the open
Seed	colour	white
Leaf	anthocyanin coloration	absent
Time of beginning of bolting	under long day conditions	very late
Resistance to *Downy mildew (Bremia lactucae*)	isolate bl:16	absent

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Mezquite'	

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
'Salvius'(41-49 RZ)	isolate *BI*:16	absent	present	
'Livius' (41-149 RZ)	leaf anthocyanin coloration	absent	absent or very weak	

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

Organ/Plant Part: Context	'Tuccadona'	'Mezquite'
☐ Seed: colour	white	
☐ Plant: diameter	medium to large	
☐ Plant: degree of overlapping of upper part of leaves	strong	
☐ Leaf: attitude	erect	
☐ Leaf: number of divisions	entire	
☐ Leaf: shape	medium elliptic	
☐ Leaf: shape of apex	rounded	
☐ Leaf: anthocyanin colouration	absent	

☒ Leaf: intensity of green colour	medium	medium to dark
☐ Leaf: glossiness of upper side	weak to medium	
☐ Leaf: thickness	thick	
☒ Leaf: blistering	medium to strong	strong to very strong
☐ Leaf: size of blisters	small	
☐ Leaf: undulation of margin	absent or very weak	

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	**'Tuccadona'**	**'Mezquite'**
☐ Head: shape in longitudinal section	narrow elliptic	
☐ Harvest maturity: time of harvest maturity	late	
☐ Bolting: time of beginning of bolting	very late	
☐ Bolting stem: fasciation	very strong	
☒ Resistance: resistance to *Bremia lactucae (Bl)* isolate *Bl*: 16EU	absent	present
☐ Resistance: resistance to *Bremia lactucae (Bl)* isolate *Bl*: 17EU	present	
☐ Resistance: resistance to *Bremia lactucae (Bl)* isolate *Bl*: 20EU	present	
☐ Leaf: venation	not flabellate	
☐ Resistance: resistance to *Bremia lactucae (Bl)* isolate *Bl*: 21EU	present	
☐ Resistance: resistance to *Bremia lactucae (Bl)* isolate *Bl*: 22EU	present	
☐ Resistance: resistance to *Bremia lactucae (Bl)* isolate *Bl*: 23EU	present	
☐ Resistance: resistance to *Bremia lactucae (Bl)* isolate *Bl*: 24EU	present	

☐ Resistance: resistance to *Bremia lactucae (Bl)* isolate *Bl*: 25EU	present	
☐ Resistance: resistance to *Bremia lactucae (Bl)* isolate *Bl*: 26EU	present	
☒ Resistance: resistance to *Bremia lactucae (Bl)* isolate *Bl*: 27EU	absent	present
☒ Resistance: resistance to *Nasonovia ribisnigri (Nr)* biotype Nr: 0	present	absent
☒ Head: size	medium to large	large
☐ Head: density	dense	

Prior Applications and Sales:

Country	Year	Status	Name Applied
Netherlands	2015	granted	'Tuccadona'
European Unit	2016	granted	'Tuccadona'
Ukraine	2021	granted	'Tuccadona'
New Zealand	2017	granted	'Tuccadona'

First sold in May 2016 in United Kingdom

Description: **Ean Blackwell**, NSW 2000

'Tuccadona'

Lettuce (*Lactuca sativa*) variety 'Tuccadona'

Details of Application

Application Number	2016/382
Variety Name	'Tainung No. 5'
Genus Species	*Litchi chinensis*
Common Name	Lychee
Synonym	Ruby
Accepted Date	20-Mar-2017
Applicant	Taiwan Agricultural Research Institute, Taichung city, Taiwan
Agent	Spruson & Ferguson, Sydney, NSW
Qualified Person	Yu-Cheng Ko

Details of Comparative Trial

Overseas Testing Authority	Taiwan Agricultural Research Institute, Ministry of Agriculture, Taiwan (R.O.C.)
Location	Chiayi Agricultural Experiment Branch, Taiwan Agricultural Research Institute, Ministry of Agriculture, Taiwan (R.O.C.)
Descriptor	TG/302/1 Litchi
Period	2022 to 2023
Conditions	'Tainung No.5' is planted in an orchard located in Chiayi city, Taiwan (R.O.C.). Conditions are ideal for commercial production. The trees are pruned after harvest. Irrigation, fertilizer and plant protection treatments are applied as required.
Trial Design	All measurements and observations are taken according to UPOV Technical Protocol. Assessments taken from the same trees randomly selected in two independent growing cycles.
Measurements	As per UPOV TG/302/1. Fruit weight, Brix, date of flowering and yield were measured in addition to visual observations.
RHS Chart - edition	N/A

Origin and Breeding

Seedling selection - 'Tainung No. 5' is one of the seedlings of 'Fay Zee Siu' in Taiwan. 1989-1996: the seeds were germinated and grown in the nursery, then field planted by the population for the selection orchard and ultimately expressed the potential tree and fruit characteristics. 1997-1998: a single seedling named '78-9-5-10' was selected as the present variety. Selection criteria: yield is high and regular with high percentage of shrivelled seeds and absent of cracking after rain. 1999-2008: asexual propagation, and advanced evaluation were conducted. Asexual reproduction was accomplished by marcotting (air layering). 2007-2008: DUS test for Taiwan was applied. Work was conducted at Chiayi Agricultural Experiment Branch, Taiwan

Agricultural Research Institute (TARI), Ministry of Agriculture, Taiwan. Breeder: Jer-Way Chang, a staff member of TARI, Taiwan.

Choice of Comparators

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Leaflet	shape	oblong
Leaflet blade	ratio length/width	high
Fruit	shape	cordiform

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Tainung No.5	
'Fay Zee Siu'	

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

Organ/Plant Part: Context	'Tainung No. 5'	'Fay Zee Siu'
☐ Plant: growth habit	spreading	spreading
☐ Plant: shape	circular	circular
☐ Plant: vigour	medium	medium
☐ One-year old shoot: thickness	medium	medium
☐ One-year old shoot: attitude	upwards	upwards
☐ One-year old shoot: length of internode	medium	medium
☐ One-year old shoot: size of lenticels	medium	medium
☐ One-year old shoot: density of lenticels	medium	medium
☐ Young shoot: colour	reddish green	reddish green
☐ Leaf: arrangement of leaflets	slightly alternate	slightly alternate

☐ Leaf: length	medium	medium
☐ Petiole: colour of upper side	green brown	green brown
☐ Leaflet: shape	oblong	oblong
☐ Leaflet: shape in cross section	moderately concave	moderately concave
☐ Leaflet: surface of upper side	moderately rough	moderately rough
☐ Leaflet: length of petiole	medium	medium
☐ Leaflet blade: length	medium	medium
☐ Leaflet blade: width	narrow	narrow
☐ Leaflet blade: ratio length/width	high	high
☐ Leaflet: length of tip	long	long
☐ Leaflet: symmetry of base	symmetric or weakly asymmetric	symmetric or weakly asymmetric
☐ Leaflet: shape of base	acute	acute
☒ Leaflet: undulation of margin	absent or weak	medium
☒ Leaflet: intensity of green colour	dark	medium
☐ Leaflet: glossiness of upper side	medium	medium
☐ Leaflet: conspicuousness of lateral veins	weak	weak
☐ Inflorescence: length	medium	medium
☐ Inflorescence: width	medium	medium
☐ Inflorescence: ratio length/width	medium	medium
☐ Inflorescence: density of branching	sparse	sparse
☒ Inflorescence: density of flowers	sparse	dense
☐ Inflorescence: intensity of green colour of main axis	medium	medium
☐ Flower: depth of stigma splitting	medium	medium
☐ Fruit: size	medium	medium

☐ Fruit: shape	cordiform	cordiform
☐ Fruit: shape of shoulder at stalk end	truncate	truncate
☐ Fruit: depth at stalk end	shallow	shallow
☐ Fruit: conspicuousness of suture	weak	weak
☒ Fruit: colour of skin	medium red	yellow and red
☐ Fruit: surface	moderate protuberances	smooth or slight protuberances
☒ Fruit: thickness of skin	medium	thin
☐ Fruit: colour of flesh	whitish	whitish
☐ Fruit: weight of flesh compared to weight of fruit	medium	medium
☒ Seed: shape	ovate	elliptic
☒ Seed: colour	dark brown	medium brown
☐ Fruit: brown colour on the inner side of aril	medium brown	medium brown
☒ Fruit: ratio of abortive embryos	high	low
☐ Fruit: sweetness of flesh	medium	medium
☐ Fruit: juiciness	medium	medium
☒ Plant: time of beginning of flowering	medium	late
☒ Plant: time of harvest maturity	medium	late

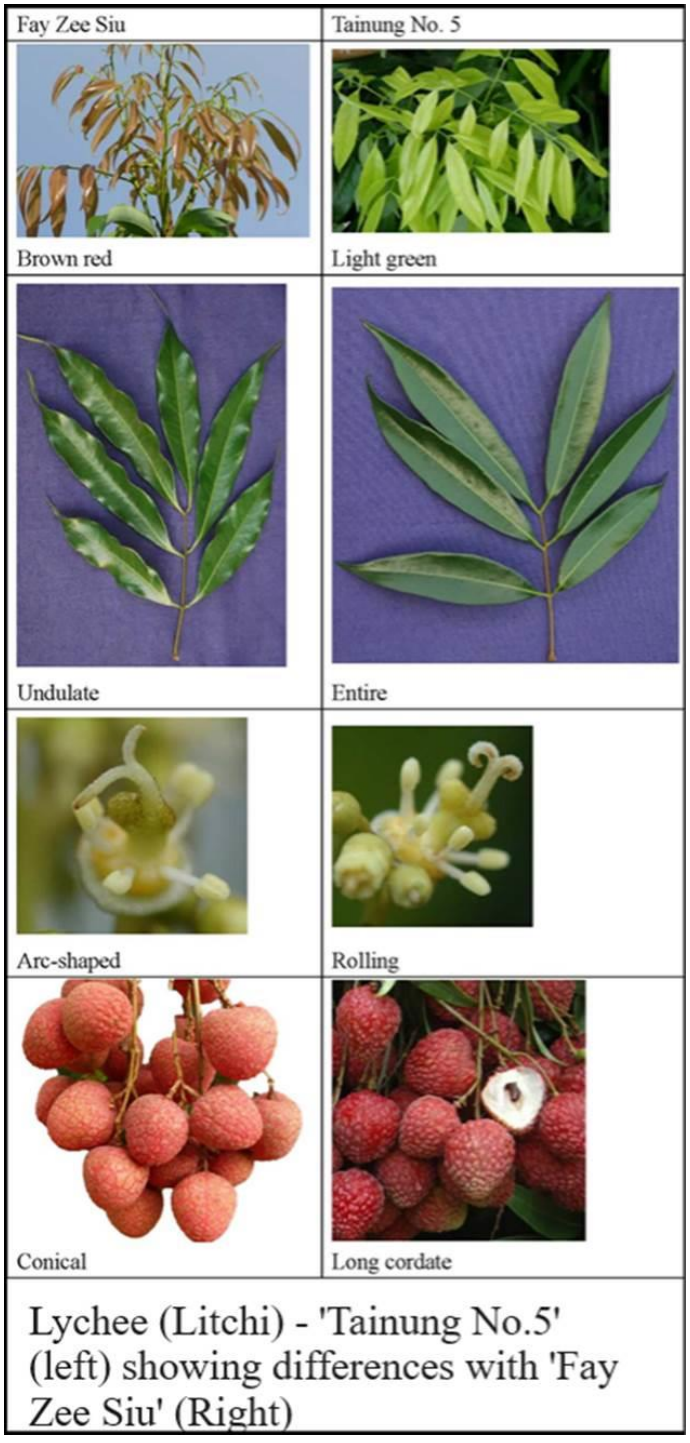
Statistical Table

Organ/Plant Part: Context	**'Tainung No. 5'**	**'Fay Zee Siu'**
☒ Fruit: ratio of abortive embryos		
Mean	77.10 %	0.00 %
Std. Deviation	23.80 %	0.00 %
Lsd/sig	P≤0.01	P≤0.01

Prior Applications and Sales:

Nil

Description: Yu-Cheng Ko, Taiwan



Lychee (Litchi) - 'Tainung No.5' (left) showing differences with 'Fay Zee Siu' (Right)

Details of Application

Application Number	2016/383
Variety Name	'Tainung No. 3'
Genus Species	*Litchi chinensis*
Common Name	Lychee
Synonym	Rose Red
Accepted Date	20-Mar-2017
Applicant	Taiwan Agricultural Research Institute, Taichung city, Taiwan
Agent	Spruson & Ferguson, Sydney NSW
Qualified Person	Yu-Cheng Ko

Details of Comparative Trial

Overseas Testing Authority	Chiayi Agricultural Experiment Branch, Taiwan (R.O.C.)
Location	Chiayi Agricultural Experiment Branch, Taiwan Agricultural Research Institute, Ministry of Agriculture, Taiwan (R.O.C.)
Descriptor	UPOV TG/LITCHI (proj. 5) 2014-02-11
Period	2022 to 2023
Conditions	'Tainung No.3 Rose Red' is planted in an orchard located in Chiayi city, Taiwan (R.O.C.). Conditions are ideal for commercial production. The trees are pruned after harvest. Irrigation, fertilizer and plant protection treatments are applied as required.
Trial Design	All measurements and observations are taken according to UPOV Technical Protocol. Assessments taken from the same trees randomly selected in two independent growing cycles.
Measurements	As per UPOV TG/LITCHI (proj. 5) 2014-02-11. Fruit weight, Brix, date of flowering and yield were measured in addition to visual observations.
RHS Chart - edition	N/A

Origin and Breeding

Open pollination: 'Rose Red' is one of the seedlings of ‘No Mai Tsz’ or ‘Kwai Mi’ in Taiwan. 1986-1993: the seeds were germinated and grown in the nursery, then field planted by the population for the selection orchard and ultimately expressed the potential tree and fruit characteristics for evaluation. 1994-1996: a single seedling named '75-S-1-4' was selected as the present variety. Selection criteria: Time of maturity, fruit fragrance, long shelf life, proportion of shrivelled seed. 1997-2005: asexual propagation, and advanced evaluation were conducted. Asexual reproduction was accomplished by marcotting (air layering). 2003-2006: DUS test was applied. The test place was at the Chiayi Agricultural Experiment Branch, Taiwan Agricultural Research Institute (TARI), Ministry of Agriculture, Taiwan. The comparators were ‘HaakYip’, ‘No Mai Tsz’, and ‘Kwai Mi’. Among them ‘Haak Yip’ had the fewest distinguishable traits. 2010: molecular markers were used to identify the genetic relationship. Breeder: Jer-Way Chang, a staff of TARI, Taiwan.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Time of beginning of flowering		medium
Leaf	length	medium
Leaflet	shape	oblong
Leaflet blade	ratio length/width	medium

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
‘Tainung No.3’	
‘Haak Yip’	

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
‘No Mi Tsz’	Leaflet	shape	oblong	elliptic	
‘No Mi Tsz’	Inflorescence	length	medium	short	
‘No Mi Tsz’	Fruit	shape	cordiform	circular	
‘Kwai Mi’	Leaflet	shape	oblong	elliptic	

'Kwai Mi'	Leaflet blade	ratio length/width	medium	low
'Kwai Mi'	Inflorescence	length	medium	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	'Tainung No. 3'	'Haak Yip'
☐ Plant: growth habit	spreading	spreading
☐ Plant: shape	circular	circular
☐ Plant: vigour	medium	medium
☐ One-year old shoot: thickness	medium	medium
☐ One-year old shoot: attitude	upwards	upwards
☐ One-year old shoot: length of internode	short	short
☐ One-year old shoot: size of lenticels	medium	medium
☐ One-year old shoot: density of lenticels	medium	medium
☒ Young shoot: colour	reddish green	yellow green
☐ Leaf: arrangement of leaflets	slightly alternate	slightly alternate
☐ Leaf: length	medium	medium
☐ Petiole: colour of upper side	green brown	green brown
☐ Leaflet: shape	oblong	oblong
☐ Leaflet: shape in cross section	moderately concave	moderately concave
☐ Leaflet: surface of upper side	smooth	smooth
☐ Leaflet: length of petiolule	medium	medium
☐ Leaflet blade: length	medium	medium
☐ Leaflet blade: width	medium	medium
☐ Leaflet blade: ratio length/width	medium	medium
☐ Leaflet: length of tip	long	long
☐ Leaflet: symmetry of base	symmetric or weakly asymmetric	symmetric or weakly asymmetric

☐ Leaflet: shape of base	acute	acute
☒ Leaflet: undulation of margin	strong	absent or weak
☒ Leaflet: intensity of green colour	medium	dark
☒ Leaflet: glossiness of upper side	medium	weak
☐ Leaflet: conspicuousness of lateral veins	weak	weak
☐ Inflorescence: length	medium	medium
☐ Inflorescence: width	medium	medium
☐ Inflorescence: ratio length/width	medium	medium
☐ Inflorescence: density of branching	sparse	sparse
☐ Inflorescence: density of flowers	sparse	sparse
☐ Inflorescence: intensity of green colour of main axis	medium	medium
☒ Flower: depth of stigma splitting	deep	shallow
☒ Fruit: size	large	medium
☐ Fruit: shape	cordiform	cordiform
☐ Fruit: shape of shoulder at stalk end	rounded	rounded
☐ Fruit: depth at stalk end	shallow	shallow
☒ Fruit: conspicuousness of suture	strong	weak
☒ Fruit: colour of skin	medium red	dark red
☐ Fruit: surface	moderate protuberances	smooth or slight protuberances
☒ Fruit: thickness of skin	medium	thin
☐ Fruit: colour of flesh	whitish	whitish
☐ Fruit: weight of flesh compared to weight of fruit	medium	medium
☐ Seed: shape	elliptic	elliptic
☒ Seed: colour	medium brown	dark brown

☒ Fruit: brown colour on the inner side of aril	medium brown	dark brown
☐ Fruit: ratio of abortive embryos	low	low
☐ Fruit: sweetness of flesh	medium	medium
☐ Fruit: juiciness	medium	medium
☐ Plant: time of beginning of flowering	medium	medium
☐ Plant: time of harvest maturity	medium	medium

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Tainung No. 3'	'Haak Yip'
☒ Leaflet: color of new shoot	slight red	green yellow
☒ Fruit: color of conspicuousness of suture	green yellow	slight red
☒ Fruit: depth of conspicuousness of suture	deep	shallow
☒ Fruit: aril fragrance	rose fragrant	no special fragrant

Statistical Table

Organ/Plant Part: Context	'Tainung No. 3'	'Haak Yip'
☐: Fruit weight (gm)		
Mean	26.30	21.80
Std. Deviation	2.70	1.90
Lsd/sig	P≤0.01	P≤0.01

Prior Applications and Sales:

Country	Year	Status	Name Applied
Taiwan	2007	Granted	'Tainung No. 3'
Japan	2009	Pending	'Tainung No. 3'

First sold in Taiwan June 2011

Description: Yu-Cheng Ko, Taiwan

Candidate Variety 【'Tainung No.3 Rose Red'】	Comparator Variety 【'Haak Yip'】
	
Fruit	Fruit
	
Seed	Seed

Lychee (Litchi) - 'Tainung No.3' (left) showing differences in fruit characteristics with comparator 'Haak Yip' (Right)

Details of Application

Application Number	2017/010
Variety Name	'Flatop'
Genus Species	*Prunus persica*
Common Name	Peach
Synonym	
Accepted Date	17 Mar 2017
Applicant	Agro Selections Fruits S.A.S., Route d'Alenya, Elne, France
Agent	Wynnes Patent and Trademark Attorneys, Bulimba, QLD 4171
Qualified Person	Ian Paananen
Author of Description	Ian Paananen, Crop & Nursery Services, Central Coast, NSW

Details of Comparative Trial

Overseas Testing Authority	GEVES (France)
Overseas Data Reference Number	4074698
Location	INRA, Avignon, France
Descriptor	TG/53/7
Period	2011-2014
Conditions	according to CPVO-TP/053/1 Rev
Trial Design	as per CPVO test report 4074698
Measurements	as per CPVO test report 4074698
RHS Chart - edition	

Origin and Breeding

Controlled pollination: seed parent 'Nectarmagie' with pollen parent 'ASFPBF0492'. The seed parent is characterised by circular fruit very early time of maturity. The pollen parent is characterised by a fruit skin colour of pink red over colour on cream ground colour. Selection criteria: flat fruit shape, very good eating quality, long shelf life of fruit. Propagation: vegetative by grafting. Breeders: Laurence Maillard and Arsene Maillard, Agro Selections Fruits S.A.S., Route d'Alenya, Elne, France.

Choice of Comparators:

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Fruit	shape	broad oblate
Fruit	over colour	present
Fruit	extent of over colour	large
Fruit	pubescence	present
Stone	adherence to flesh	present

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Maillarflat'	
'Platireine'	

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

Organ/Plant Part: Context	'Flatop'	'Maillarflat'	'Platireine'
☐ *Tree: size	medium to large		
☐ Tree: vigour	medium		
☐ *Tree: habit	semi-upright		
☐ Flowering shoot: thickness	medium		
☐ Flowering shoot: length of internodes	medium		
☐ *Flowering shoot: anthocyanin colouration	present		
☐ *Flowering shoot: intensity of anthocyanin colouration	medium		
☐ *Flowering shoot: density of flower buds	medium		
☐ Flowering shoot: general distribution of flower buds	in groups of two or more		

☐	*Flower: type	showy	
☐	*Calyx: colour of inner side	greenish yellow	
☐	*Corolla: predominant colour	medium pink	
☐	*Petal: shape	round	
☐	*Petal: size	large	
☐	*Petals: number	five	
☐	Stamens: position	below	
☐	*Stigma: position	same level	
☐	*Anthers: pollen	present	
☐	*Ovary: pubescence	present	
☐	Young shoot: length of stipule	medium	
☐	*Leaf blade: length	medium	
☒	*Leaf blade: width	medium	narrow
☐	*Leaf blade: ratio	medium	
☒	Leaf blade: shape in cross section	flat	convex
☐	Leaf blade: recurvature of apex	absent	
☐	Leaf blade: angle at base	acute	
☐	Leaf blade: angle at apex	large	
☐	Leaf blade: colour	green	
☐	Petiole: length	medium	
☐	*Petiole: nectaries	present	
☐	*Petiole: shape of nectaries	reniform	
☐	Petiole: predominant number of nectaries	more than two	
☒	*Fruit: size	very small	medium

☐ *Fruit: shape	broad oblate		
☐ *Fruit: shape of pistil end	strongly depressed		
☐ Fruit: symmetry	asymmetric		
☒ Fruit: prominence of suture	medium		weak
☐ Fruit: depth of stalk cavity	shallow		
☐ Fruit: width of stalk cavity	medium		
☒ *Fruit: ground colour	cream green	cream	
☐ Fruit: over colour	present		
☒ Fruit: hue of over colour	medium red	pink red	
☐ *Fruit: pattern of over colour	solid flush		
☒ *Fruit: extent of over colour	large		very large
☐ *Fruit: pubescence	present		
☐ *Fruit: density of pubescence	sparse		
☐ Fruit: thickness of skin	medium		
☒ Fruit: adherence of skin to flesh	medium	strong	
☐ *Fruit: firmness of flesh	firm		
☒ *Fruit: ground colour of flesh	white		cream white
☐ *Fruit: anthocyanin colouration directly under skin	weakly expressed		
☐ *Fruit: anthocyanin colouration of flesh	weakly expressed		
☐ *Fruit: anthocyanin colouration around stone	weakly expressed		
☐ Fruit: texture of the flesh	not fibrous		
☐ Fruit: sweetness	high		
☐ Fruit: acidity	low		

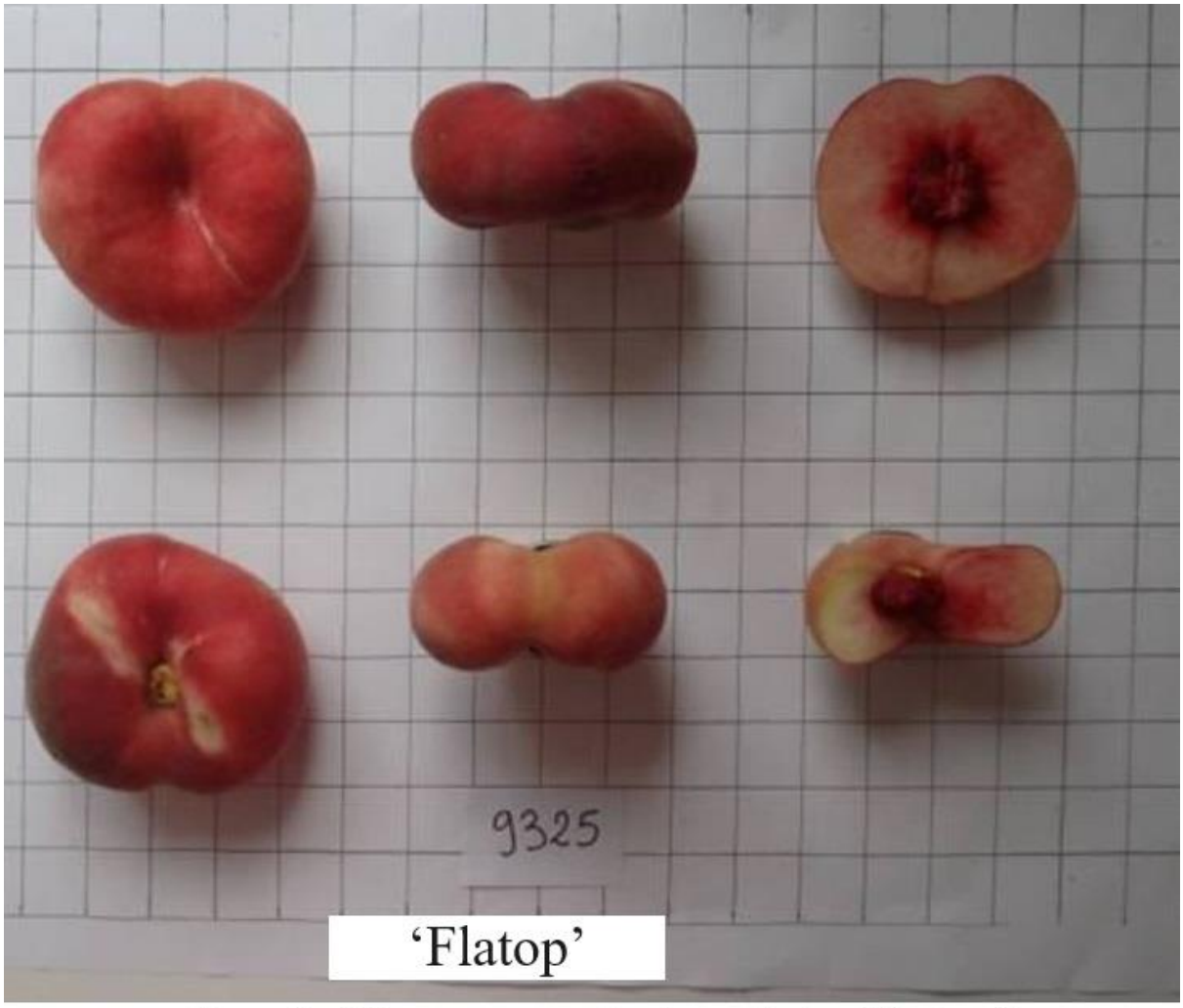
*Stone: size compared to fruit	small
*Stone: shape	oblate
Stone: intensity of brown colour	medium
Stone: relief of surface	grooves
Stone: tendency of splitting	absent or very low
*Stone: adherence to flesh	present
Stone: degree of adherence to flesh	weak
Time of: leaf bud burst	very early
*Time of: beginning of flowering	early
*Duration of: flowering	long
*Time of: maturity	medium
Tendency to: preharvest drop	weak

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2011	granted	'Flatop'
USA	2012	granted	'Flatop'

First sold in EU as 'Flatop' on 1st Feb 2011

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



Peach (*Prunus persica*) variety 'Flatop'

Details of Application

Application Number	2017/034
Variety Name	'Nectadiva'
Genus Species	*Prunus persica* var *nucipersica*
Common Name	Nectarine
Synonym	
Accepted Date	18 Apr 2017
Applicant	Agro Selections Fruits S.A.S., Route d'Alenya, Elne, France.
Agent	Wynnes Patent and Trademark Attorneys, Bulimba, QLD 4171
Qualified Person	Ian Paananen

Details of Comparative Trial

Overseas Testing Authority	GEVES, France
Overseas Data Reference Number	4074695
Location	INRA, Avignon, France
Descriptor	TG/53/7
Period	2011-2014
Conditions	according to CPVO-TP/053/1 Rev
Trial Design	as per CPVO test report 4074695
Measurements	as per CPVO test report 4074695
RHS Chart - edition	

Origin and Breeding

Controlled pollination: seed parent 'Red Pearl' with pollen parent 'Nectalady'. The seed parent is characterised by a white flesh colour. The pollen parent is characterised by a late fruit maturity date, a medium time of flowering and a very thick fruit skin thickness. Selection criteria: attractive clingstone, yellow flesh fruit, very good eating quality, long shelf life of fruit without alteration from harvest. Propagation: vegetative by grafting. Breeders: Laurence Maillard and Arsene Maillard, Agro Selections Fruits S.A.S., Route d'Alenya Elne, France.

Choice of Comparators:

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

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

Fruit	shape	round
Fruit	hue of over colour	dark red
Fruit	extent of over colour	very large
Fruit	ground colour of flesh	yellow
Fruit	time of maturity	medium to late

Most Similar Varieties of Common Knowledge identified (VCK)

Name	**Comments**
'Nectagala'	
'Nectasia'	
'Western 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	**'Nectadiva'**	**'Nectagala'**	**'Nectasia'**	**'Western Red'**
☐ *Tree: size	medium			
☐ Tree: vigour	medium			
☐ *Tree: habit	spreading			
☐ Flowering shoot: thickness	thin			
☐ Flowering shoot: length of internodes	medium			
☐ *Flowering shoot: anthocyanin colouration	present			
☐ *Flowering shoot: intensity of anthocyanin colouration	medium			
☐ *Flowering shoot: density of flower buds	medium			
☐ Flowering shoot: general distribution of flower buds	in groups of two or more			
☒ *Flower: type	showy			non showy
☐ *Calyx: colour of inner side	orange			

☐	*Corolla: predominant colour	light pink
☐	*Petal: shape	broad elliptic
☐	*Petal: size	large
☐	*Petals: number	five
☐	Stamens: position	below
☐	*Stigma: position	same level
☐	*Anthers: pollen	present
☐	*Ovary: pubescence	absent
☐	Young shoot: length of stipule	long
☐	*Leaf blade: length	medium
☐	*Leaf blade: width	narrow
☐	*Leaf blade: ratio	large
☐	Leaf blade: shape in cross section	flat
☐	Leaf blade: recurvature of apex	present
☐	Leaf blade: angle at base	approximately right angle
☐	Leaf blade: angle at apex	medium
☐	Leaf blade: colour	green
☐	Petiole: length	short
☐	*Petiole: nectaries	present
☐	*Petiole: shape of nectaries	reniform
☐	Petiole: predominant number of nectaries	more than two
☒	*Fruit: size	small medium large
☐	*Fruit: shape	round
☐	*Fruit: shape of pistil end	weakly pointed

☐ Fruit: symmetry	symmetric	
☐ Fruit: prominence of suture	weak	
☐ Fruit: depth of stalk cavity	medium	
☐ Fruit: width of stalk cavity	medium	
☒ *Fruit: ground colour	greenish yellow	yellow
☐ Fruit: over colour	present	
☐ Fruit: hue of over colour	dark red	
☐ *Fruit: pattern of over colour	solid flush	
☐ *Fruit: extent of over colour	very large	
☐ *Fruit: pubescence	absent	
☐ Fruit: thickness of skin	thin	
☐ Fruit: adherence of skin to flesh	weak	
☐ *Fruit: firmness of flesh	firm	
☐ *Fruit: ground colour of flesh	yellow	
☐ *Fruit: anthocyanin colouration directly under skin	absent or very weakly expressed	
☐ *Fruit: anthocyanin colouration of flesh	absent or very weakly expressed	
☐ *Fruit: anthocyanin colouration around stone	strongly expressed	
☐ Fruit: texture of the flesh	not fibrous	
☐ Fruit: sweetness	high	
☐ Fruit: acidity	low	
☐ *Stone: size compared to fruit	medium	
☐ *Stone: shape	obovate	
☐ Stone: intensity of brown colour	dark	
☐ Stone: relief of surface	pits and grooves	

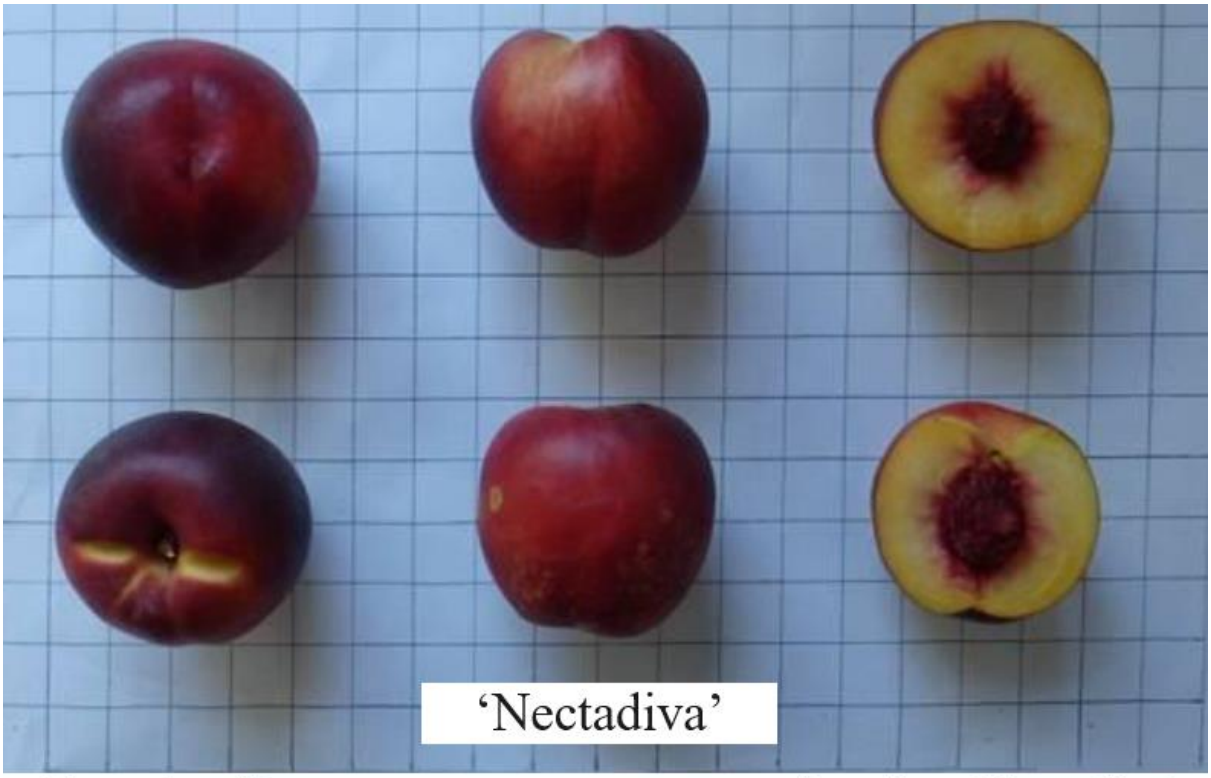
☐ Stone: tendency of splitting	low	
☐ *Stone: adherence to flesh	present	
☐ Stone: degree of adherence to flesh	weak	
☒ Time of: leaf bud burst	very early	late
☐ *Time of: beginning of flowering	early	
☐ *Duration of: flowering	long	
☐ *Time of: maturity	medium to late	
☐ Tendency to: preharvest drop	weak	

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2011	granted	'Nectadiva'
USA	2012	granted	'Nectadiva'

First sold in EU as 'Nectadiva' on 30th June 2011

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



Nectarine (*Prunus persica* var *nucipersica*) variety ‘Nectadiva’

Details of Application

Application Number	2017/259
Variety Name	'AMPU001'
Genus Species	*Agapanthus* hybrid
Common Name	Agapanthus
Synonym	
Accepted Date	06-Sep-2017
Applicant	Charles Andrew De Wet, Johannesburg, SOUTH AFRICA
Agent	Natura Creative, North Sydney, NSW
Qualified Person	John Oates

Details of Comparative Trial

Overseas Testing Authority	USPTO
Overseas Data Reference Number	PP28,520
Location	Northwest Province, South Africa (Verification at Clarendon Australia)
Descriptor	TG/226/1
Period	2013-2014 (2019-2020)
Conditions	At both sites 12 month plants grown in full sun, slow release granular fertilizer, regularly watered with overhead irrigation
Trial Design	pots in random order
Measurements	As per UPOV Technical Guidelines
RHS Chart - edition	RHS 1986 Edition (6th Edition 2015)

Origin and Breeding

Controlled pollination: The Inventor made a controlled cross in October of 2007 between an unnamed plant of *Agapanthus caulescens* hybrid from the Inventor's breeding program as the female parent and an unnamed plant of *Agapanthus campanulatus* hybrid from the Inventor's breeding program as the male parent. The objective of the breeding program is to develop new cultivars of *Agapanthus* that are fast growing, early flowering and that display repeat flowering and unique flower colors. The Inventor selected `AMPU001` in November of 2009 as a single unique plant amongst the seedlings that resulted from the above cross. Breeder: Quinton Bean, Johannesburg, South Africa

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	evergreen
Leaf	variegation	absent
Inflorescence bract	opening	one side
Inflorescence	number of flowers	many
Flower bud	main colour	Gr.4: violet blue
Flower	type	single

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Benfran' US PP21705	
'ATIblu' US PP14332	
'AMPU001' Verification	

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

Organ/Plant Part: Context	'AMPU001'	'AMPU001' (Verification)	'ATIblu' (US PP14332)	'Benfran' (US PP21705)
☐ *Plant: type	evergreen	evergreen	evergreen	evergreen
☐ *Plant: density of foliage	dense	medium	dense	dense
☐ Plant: number of leaves per shoot	many	medium	medium	medium
☐ Leaf: length	medium	medium	medium to long	short to medium
☐ *Leaf: width	medium	narrow	narrow to medium	narrow to medium
☐ Leaf: curvature	moderately recurved	absent or slightly recurved	moderately recurved	moderately recurved
☐ *Leaf: variegation	absent	absent	absent	absent

☐ *Leaf: green colour of upper side (excluding variegation)	medium green	light green	medium green	medium green
☐ *Leaf: anthocyanin colouration at base	absent	absent	absent	absent
☐ Inflorescence bract: length of tip relative to total length of bract	very short	very short to short		
☐ *Inflorescence bract: anthocyanin colouration	absent or weak	absent or weak	absent or weak	absent or weak
☐ *Inflorescence bract: opening	one side	one side	one side	one side
☒ *Peduncle: length	short to medium	medium	medium to long	short
☐ *Peduncle: thickness	thin to medium	medium	medium	thin to medium
☐ *Peduncle: shape in cross section	circular	circular		
☐ *Peduncle: anthocyanin colouration	absent or weak	absent or weak	absent or weak	absent or weak
☐ *Inflorescence: number of flowers	many	many	many	many
☐ *Inflorescence: diameter	small to medium	small to medium	medium to large	small to medium
☐ *Inflorescence: shape in lateral view	narrow oblate	narrow oblate	narrow oblate	narrow oblate
☒ *Flower bud: main colour (RHS Colour Chart)	79B	N88A~B	92A	92B
☒ Pedicel: length	very short to short	short	medium	medium to long
☐ Pedicel: anthocyanin colouration	absent or weak	medium	absent or weak	absent or weak
☐ *Flower: shape	campanulate	campanulate	campanulate	campanulate
☐ *Flower: type	single	single	single	single
☒ *Perianth: length	medium	short to medium	medium	very short to short
☐ *Perianth: diameter	medium	medium	medium	medium
☐ Perianth: overlapping of tepal lobes	absent	incomplete	complete	absent

☐ *Perianth tube: length	medium	short to medium	medium	short
☒ *Perianth tube: main colour of outer side (RHS Colour Chart)	79D	N88B	93C	92B
☐ Tepal lobe: ratio length/width	moderately elongated	moderately elongated	strongly elongated	strongly elongated
☒ *Tepal lobe: colour of marginal zone of inner side (RHS Colour Chart)	77D	N88A	92A	92D
☐ *Tepal lobe: colour of midrib zone of inner side (RHS Colour Chart)	82A	N88B	93C	93B
☐ Tepal lobe: transparency of midrib zone of inner side	absent or weak	absent or weak	medium	absent or weak
☐ Tepal lobe: undulation of margin	weak	weak	weak	weak
☐ *Flower: tepal-like staminodes and pistillodes	absent	absent	absent	absent
☐ *Flower: extrusion of stamens	absent or weak	absent or weak	medium	medium
☐ *Filament: colour	violet	violet	violet blue	violet
☒ *Anther: colour	black	brown	purple	medium yellow
☐ *Style: colour	violet blue	violet	violet	violet

Prior Applications and Sales:

Country	Year	Status	Name Applied
South Africa	2013	Accepted	'AMPU001'
USA	2014	Granted	'AMPU001'

First sold in South Africa,
September 2013

Description: John Oates, Merimbula NSW

Agapanthus ‘AMPU001’

Details of Application

Application Number	2017/285
Variety Name	'Sheegene 25'
Genus Species	*Vitis vinifera*
Common Name	Grape vine
Synonym	Carlita
Accepted Date	17 Nov 2017
Applicant	Sheehan Genetics LLC, Fresno, CA 93725, USA
Agent	Pizzeys Patent and Trade Mark Attorneys, Brisbane, QLD 4001
Qualified Person	Rachael McClintock

Details of Comparative Trial

Overseas Testing Authority	Oficina Española De Variedades Vegetales (OEVV), Spain
Overseas Data Reference Number	20151720
Location	Centro de Ensayos de Evaluación de Variedades de Murcia.(INIA), Spain
Descriptor	CPVO-TP/050/2
Period	2017-2018
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: New variety is a result of hybridization of 'Princess', the pollen parent and 'Red Globe' the seed parent. The new variety was asexually propagated by Timothy P Sheehan in the dormant season 2004, in a *Vitis vinifera* variety block located near McFarland, California USA. The hybridization produced a medium to large seedless grape, with very good flavor and productivity. Breeder Timothy P Sheehan, Sheehan Genetics LLC, Fresno, CA 93725, 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
Berry	shape	ovoid
Young leaf	prostrate hairs between main veins on lower side of blade	absent or very sparse
Bunch	length of peduncle of primary bunch	very long
Young shoot	openness of tip	fully open
Young leaf	colour of upper side of blade	light copper red
Berry	time of beginning of ripening	medium

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Sheegene 3'	
'Sheegene 12'	
'Sheegene 13'	

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
'Crimson Seeedless'	time	time of budburst	medium	early	
'Crimson Seedless'	berry	firmness of flesh	moderate	very firm	
'Crimson Seedless'	berry	shape	oviod	narrow ellipsoid	
'Crimson Seedless'	bunch	length of peduncle of primary bunch	very long	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	'Sheegene 25'	'Sheegene 12'	'Sheegene 13'	'Sheegene 3'
☐ *Time of: bud burst	early			
☐ *Young shoot: openness of tip	fully open			

☐ *Young shoot: prostrate hairs on tip	sparse
☐ *Young shoot: anthocyanin colouration of prostrate hairs on tip	absent or very weak
☐ Young shoot: erect hairs on tip	absent or very sparse
☐ *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
☐ Young leaf: erect hairs on main veins on lower side of blade	sparse
☐ Shoot: attitude (before tying)	horizontal
☐ Shoot: colour of dorsal side of internodes	red
☐ *Shoot: colour of ventral side of internodes	green
☐ Shoot: colour of dorsal side of nodes	red
☐ Shoot: colour of ventral side of nodes	green
☐ Shoot: erect hairs on internodes	absent or very sparse
☐ Shoot: length of tendrils	medium
☐ *Flower: sexual organs	fully developed stamens and fully developed gynoecium
☐ *Mature leaf: size of blade	small to medium
☐ *Mature leaf: shape of blade	wedge-shaped
☐ Mature leaf: blistering of upper side of blade	weak
☐ *Mature leaf: number of lobes	seven

☐ Mature leaf: depth of upper lateral sinuses	medium			
☐ Mature leaf: arrangement of lobes of upper lateral sinuses (varieties with lobed leaves only)	slightly overlapped			
☐ *Mature leaf: arrangement of lobes of petiole sinus	half open			
☐ *Mature leaf: length of teeth	short			
☐ *Mature leaf: ratio length/width of teeth	medium			
☐ *Mature leaf: shape of teeth	both sides convex			
☐ *Mature leaf: proportion of main veins on upper side of blade with anthocyanin colouration	absent or very low			
☐ Mature leaf: prostrate hairs between main veins on lower side of blade	absent or very sparse			
☐ *Mature leaf: erect hairs on main veins on lower side of blade	sparse			
☐ Mature leaf: length of petiole compared to length of middle vein	equal			
☐ *Time of: beginning of berry ripening	medium			
☐ *Bunch: size (peduncle excluded)	very large			
☐ *Bunch: density	lax			
☒ Bunch: length of peduncle of primary bunch	very long	medium	medium	medium
☐ *Berry: size	medium			
☒ *Berry: shape	ovoid	obovoid	broad ellipsoid	globose
☐ *Berry: colour of skin (without bloom)	red			
☐ Berry: ease of detachment from pedicel	difficult			

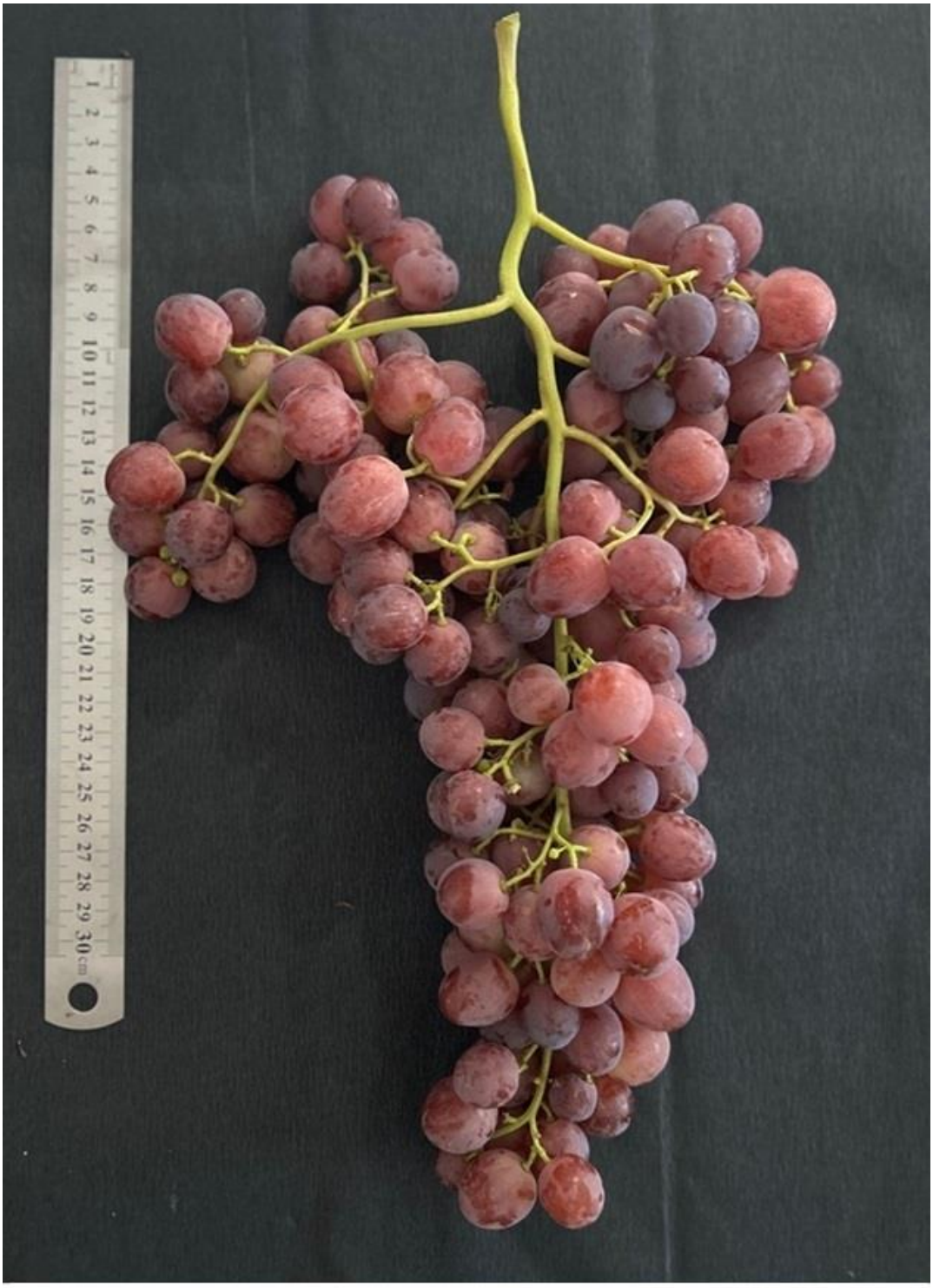
☐ Berry: thickness of skin	thin
☐ *Berry: anthocyanin colouration of flesh	absent or very weak
☐ Berry: firmness of flesh	very firm
☐ *Berry: particular flavour	none
☐ *Berry: formation of seeds	rudimentary
☐ Woody shoot: main colour	orange brown

Prior Applications and Sales:

Country	Year	Status	Name Applied
South Africa	2016	pending	'Sheegene 25'
EU	2015	granted	'Sheegene 25'
USA	2015	pending	'Sheegene 25'
Chile	2017	pending	'Sheegene 25'

First sold in Spain ss 'Sheegene 25' on 19th March 2015

Description: **Rachael McClintock**, Mildura



Grape vine (*Vitis vinifera*) variety 'Sheegene 25'

Details of Application

Application Number	2018/036
Variety Name	'Stargrape-Icon'
Genus Species	*Vitis vinifera*
Common Name	Grape vine
Synonym	Stargrape 2
Accepted Date	21 May 2018
Applicant	Stargrow Cultivar Development Pty Ltd, Stellenbosch, Western Cape, South Africa
Agent	Alison MacGregor, Mildura, Vic 3500
Qualified Person	Alison MacGregor

Details of Comparative Trial

Overseas Testing Authority	OFICINA ESPAÑOLA DE VARIEDADES VEGETALES
Overseas Data Reference Number	CPVO 20151012
Location	Centro de Ensayos de Evaluacion de Variedades de Murcia, Spain
Descriptor	CPVO-TP/050/2
Period	2018-2020
Conditions	as per details in the CPVO test report
Trial Design	as per details in the CPVO test report
Measurements	as per details in the CPVO test report
RHS Chart - edition	

Origin and Breeding

Controlled pollination: The new variety is a result of hybridization between unknown parent vines in the breeding program at an experimental vineyard in Clanwilliam district, South Africa. The resulting seedlings were planted in an evaluation vineyard with other standard control varieties. In 2003, a single seedling vine was selected on the basis of it producing early maturing, seedless, red fruit. Daughter vines reproduced by grafting in 2005 and successive generations at the same location, have remained true to type. Breeder: Stargrow Cultivar Development Pty Ltd, Stellenbosch, Western Cape, South Africa

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	openess of tip	fully open
Young leaf	colour of the upper side of blade	dark copper red
Young leaf	prostrate hairs between the main veins on lower side of blade	absent or very sparse
Flower	sexual organs	fully developed stamen and gynoecium
Mature leaf	number of lobes	five
Berry	time of beginning of berry ripening	very early
Berry	shape	narrow ellipsoid
Berry	colour of skin (without bloom)	red
Berry	anthocyanin coloration of flesh	absent or very weak
Berry	particular flavour	none
Berry	formation of seeds	rudimentary

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Tawny Seedless'	
'Itum Fourteen'	
'Flame'	

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

Organ/Plant Part: Context	'Stargrape-Icon'	'Flame'	'Itum Fourteen'	'Tawny Seedless'
☐ *Time of: bud burst	early			
☐ *Young shoot: openness of tip	fully open			
☐ *Young shoot: prostrate hairs on tip	sparse			

☐ *Young shoot: anthocyanin colouration of prostrate hairs on tip	absent or very weak
☐ Young shoot: erect hairs on tip	absent or very sparse
☐ *Young leaf: colour of upper side of blade	dark copper red
☐ *Young leaf: prostrate hairs between main veins on lower side of blade	absent or very sparse
☐ Young leaf: erect hairs on main veins on lower side of blade	sparse
☐ Shoot: attitude (before tying)	semi-erect
☐ Shoot: colour of dorsal side of internodes	green and red
☐ *Shoot: colour of ventral side of internodes	green
☐ Shoot: colour of dorsal side of nodes	green and red
☐ Shoot: colour of ventral side of nodes	green and red
☐ Shoot: erect hairs on internodes	absent or very sparse
☐ Shoot: length of tendrils	medium
☐ *Flower: sexual organs	fully developed stamens and fully developed gynoecium
☐ *Mature leaf: size of blade	large
☐ *Mature leaf: shape of blade	wedge-shaped
☐ Mature leaf: blistering of upper side of blade	weak
☐ *Mature leaf: number of lobes	five
☐ Mature leaf: depth of upper lateral sinuses	medium

☐ Mature leaf: arrangement of lobes of upper lateral sinuses (varieties with lobed leaves only)	strongly overlapped			
☐ *Mature leaf: arrangement of lobes of petiole sinus	slightly open			
☐ *Mature leaf: length of teeth	long			
☐ *Mature leaf: ratio length/width of teeth	large			
☐ *Mature leaf: shape of teeth	both sides convex			
☐ *Mature leaf: proportion of main veins on upper side of blade with anthocyanin colouration	absent or very low			
☐ Mature leaf: prostrate hairs between main veins on lower side of blade	absent or very sparse			
☐ *Mature leaf: erect hairs on main veins on lower side of blade	sparse			
☐ Mature leaf: length of petiole compared to length of middle vein	moderately shorter			
☒ *Time of: beginning of berry ripening	very early		medium	
☒ *Bunch: size (peduncle excluded)	large			very large
☐ *Bunch: density	lax			
☐ Bunch: length of peduncle of primary bunch	medium			
☐ *Berry: size	medium to large			
☒ *Berry: shape	narrow ellipsoid	obloid	ovoid	obloid
☐ *Berry: colour of skin (without bloom)	red	red	red	red
☐ Berry: ease of detachment from pedicel	difficult			
☐ Berry: thickness of skin	thin			
☐ *Berry: anthocyanin colouration of flesh	absent or very weak			

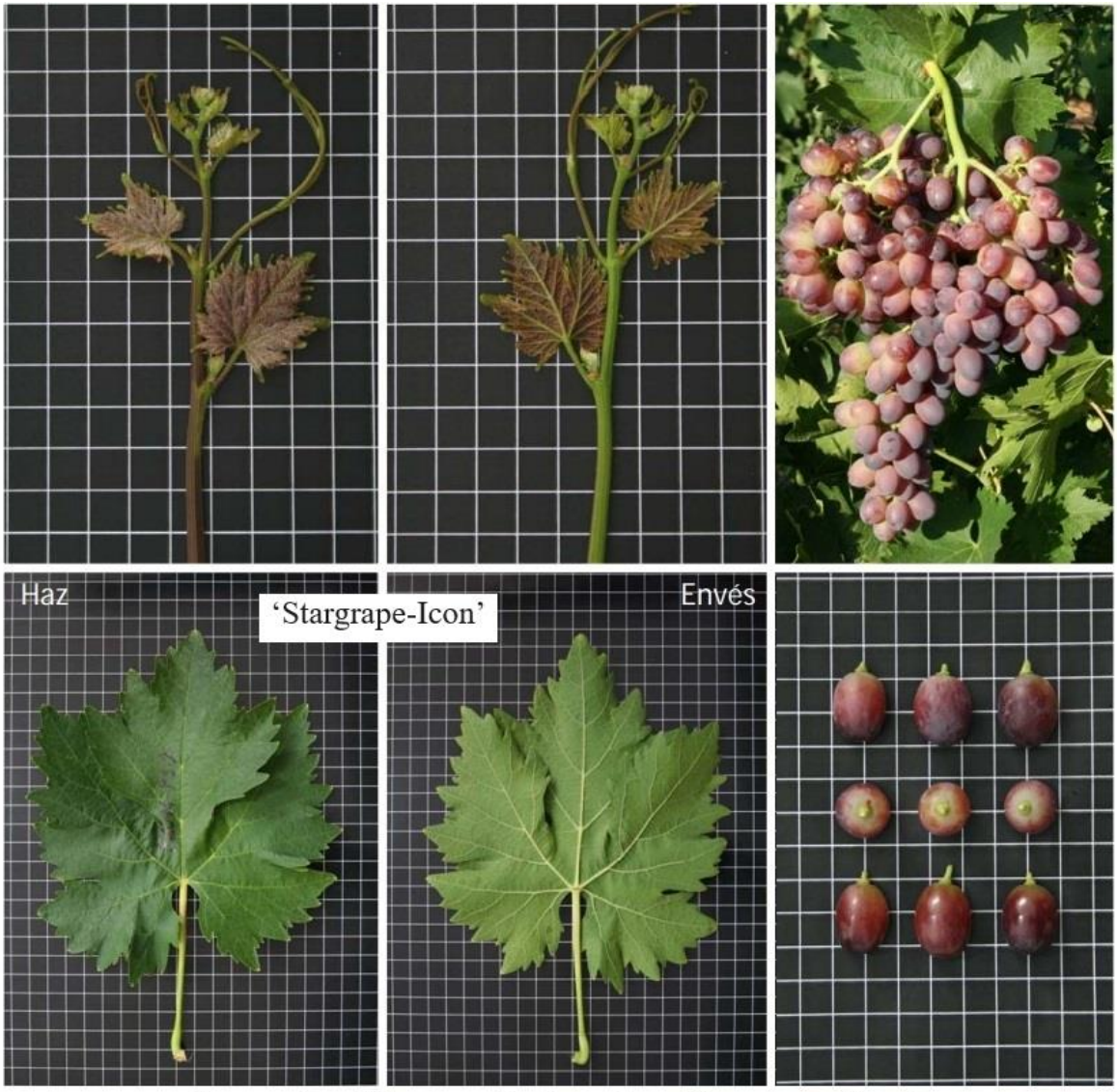
☐ Berry: firmness of flesh	very firm			
☐ *Berry: particular flavour	none			
☐ *Berry: formation of seeds	rudimentary	none	rudimentary	rudimentary
☐ Woody shoot: main colour	orange brown			

Prior Applications and Sales:

Country	Year	Status	Name Applied
South Africa	2007	Granted	'Stargrape 2'
USA	2014	Granted	'Stargrape 2'
Chile	2015	Granted	'Stargrape 2'
EU	2015	Applied	'Icon'
Egypt	2015	Granted	'Stargrape 2'
Spain	2015	Applied	'Icon'
Morocco	2016	Applied	'Stargrape 2'
Tunisia	2016	Applied	'Icon'
Turkey	2016	Applied	'Icon'
Israel	2016	Applied	'Stargrape 2'
Peru	2016	Applied	'Stargrape 2'
Mexico	2017	Filed	'Icon'
Brazil	2017	Filed	'Icon'

First sold in South Africa as 'Stargrape 2' on 20th Aug 2012

Description: **Alison MacGregor,** Mildura, Vic 3500



Grape vine (*Vitis vinifera*) variety 'Stargrape-Icon'

Details of Application

Application Number	2018/037
Variety Name	'Pluto'
Genus Species	*Vitis vinifera*
Common Name	Grape vine
Synonym	'Stargrape 1'
Accepted Date	21 Mar 2018
Applicant	Stargrow Cultivar Development Pty Ltd, Stellenbosch, Western Cape, South Africa
Agent	Alison MacGregor, Mildura, Vic 3500
Qualified Person	Alison MacGregor

Details of Comparative Trial

Overseas Testing Authority	OFICINA ESPAÑOLA DE VARIEDADES VEGETALES (OEVV), Spain
Overseas Data Reference Number	CPVO 20151011
Location	Murcia, Spain
Descriptor	CPVO-TP/050/2
Period	2018-2020
Conditions	as detailed in the CPVO overseas test report
Trial Design	as detailed in the CPVO overseas test report
Measurements	as detailed in the CPVO overseas test report
RHS Chart - edition	as detailed in the CPVO overseas test report

Origin and Breeding

Controlled pollination: The new variety is a result of hybridization between unknown parent vines in the breeding program at an experimental vineyard in Clanwilliam district, South Africa. The resulting seedlings were planted in an evaluation vineyard with other standard control varieties. In 2003, a single seedling vine was selected on the basis of it producing early maturing, seedless, red fruit that was not susceptible to splitting. Daughter vines reproduced by grafting in 2005 and successive generations at the same location, have remained true to type. Breeder: Stargrow Cultivar Development Pty Ltd, Stellenbosch, Western Cape, South Africa

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
Berry	time of beginning of berry ripening	very early
Berry	shape	ovoid
Berry	colour of skin (without bloom)	red
Berry	formation of seeds	rudimentary
Berry	particular flavours	none
Young shoot	openess of tip	fully open
Young leaf	colour of the upper side of blade	light copper red
Mature leaf	number of lobes	five
Young leaf	prostrate hairs between main veins on the lower side of the blade	absent or very sparse
Flower	sexual organs	fully developed stamens and fully developed gynoecium

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Flame'	early seedless variety with red berries that are more obloid than the candidate
'Tawny Seedless'	Seedless variety with red berries that are more obloid than the candidate, and develop on larger bunches than the candidate
'ITUM Fourteen'	mid season red seedless variety with leaves that have distinctive long teeth compared with leaves of the candidate

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
'Ruby Seedless'	leaf	length of petiole compared to main vein	shorter	very long	the variety 'Ruby Seedless' has a petiole that is shorter than the main vein making it distinct from the candidate

'Kaylee Seedless'	berry	size	naturally small	naturally large	the variety 'Kaylee seedless' has a naturally very large berry which is quite distinct from the candidate
'Sheegene 3'	berry	shape	ovoid	globose or broad ellipsoid	the variety 'Magenta' is a later maturing variety with a darker red fruit skin colour and more globose berry shape than the candidate

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

Organ/Plant Part: Context	'Pluto'	'Flame'	'ITUM Fourteen'	'Tawny Seedless'
☐ *Time of: bud burst	very early			
☐ *Young shoot: openness of tip	fully open			
☐ *Young shoot: prostrate hairs on tip	sparse			
☐ *Young shoot: anthocyanin colouration of prostrate hairs on tip	absent or very weak			
☐ Young shoot: erect hairs on tip	absent or very sparse			
☐ *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			
☐ Young leaf: erect hairs on main veins on lower side of blade	absent or very sparse			
☐ Shoot: attitude (before tying)	horizontal			
☐ Shoot: colour of dorsal side of internodes	green and red			
☐ *Shoot: colour of ventral side of internodes	green			
☐ Shoot: colour of dorsal side of nodes	green and red			
☐ Shoot: colour of ventral side of nodes	green			
☐ Shoot: erect hairs on internodes	absent or very sparse			

☐ Shoot: length of tendrils	long		
☐ *Flower: sexual organs	fully developed stamens and fully developed gynoecium		
☐ *Mature leaf: size of blade	medium to large		
☐ *Mature leaf: shape of blade	wedge-shaped		
☐ Mature leaf: blistering of upper side of blade	weak		
☐ *Mature leaf: number of lobes	five		
☐ Mature leaf: depth of upper lateral sinuses	absent or very shallow		
☐ Mature leaf: arrangement of lobes of upper lateral sinuses (varieties with lobed leaves only)	slightly overlapped		
☐ *Mature leaf: arrangement of lobes of petiole sinus	half open		
☒ *Mature leaf: length of teeth	medium	long	
☐ *Mature leaf: ratio length/width of teeth	medium		
☐ *Mature leaf: shape of teeth	mixture of both sides straight and both sides convex		
☐ *Mature leaf: proportion of main veins on upper side of blade with anthocyanin colouration	absent or very low		
☐ Mature leaf: prostrate hairs between main veins on lower side of blade	absent or very sparse		
☐ *Mature leaf: erect hairs on main veins on lower side of blade	absent or very sparse		
☐ Mature leaf: length of petiole compared to length of middle vein	moderately shorter		
☒ *Time of: beginning of berry ripening	very early	medium	
☒ *Bunch: size (peduncle excluded)	large		very large

☐ *Bunch: density	lax			
☐ Bunch: length of peduncle of primary bunch	medium			
☐ *Berry: size	medium			
☒ *Berry: shape	ovoid	obloid	ovoid	obloid
☐ *Berry: colour of skin (without bloom)	red	red	red	red
☐ Berry: ease of detachment from pedicel	difficult			
☐ Berry: thickness of skin	thin			
☐ *Berry: anthocyanin colouration of flesh	absent or very weak			
☐ Berry: firmness of flesh	very firm			
☐ *Berry: particular flavour	none			
☐ *Berry: formation of seeds	rudimentary	none	rudimentary	rudimentary
☐ Woody shoot: main colour	orange brown			

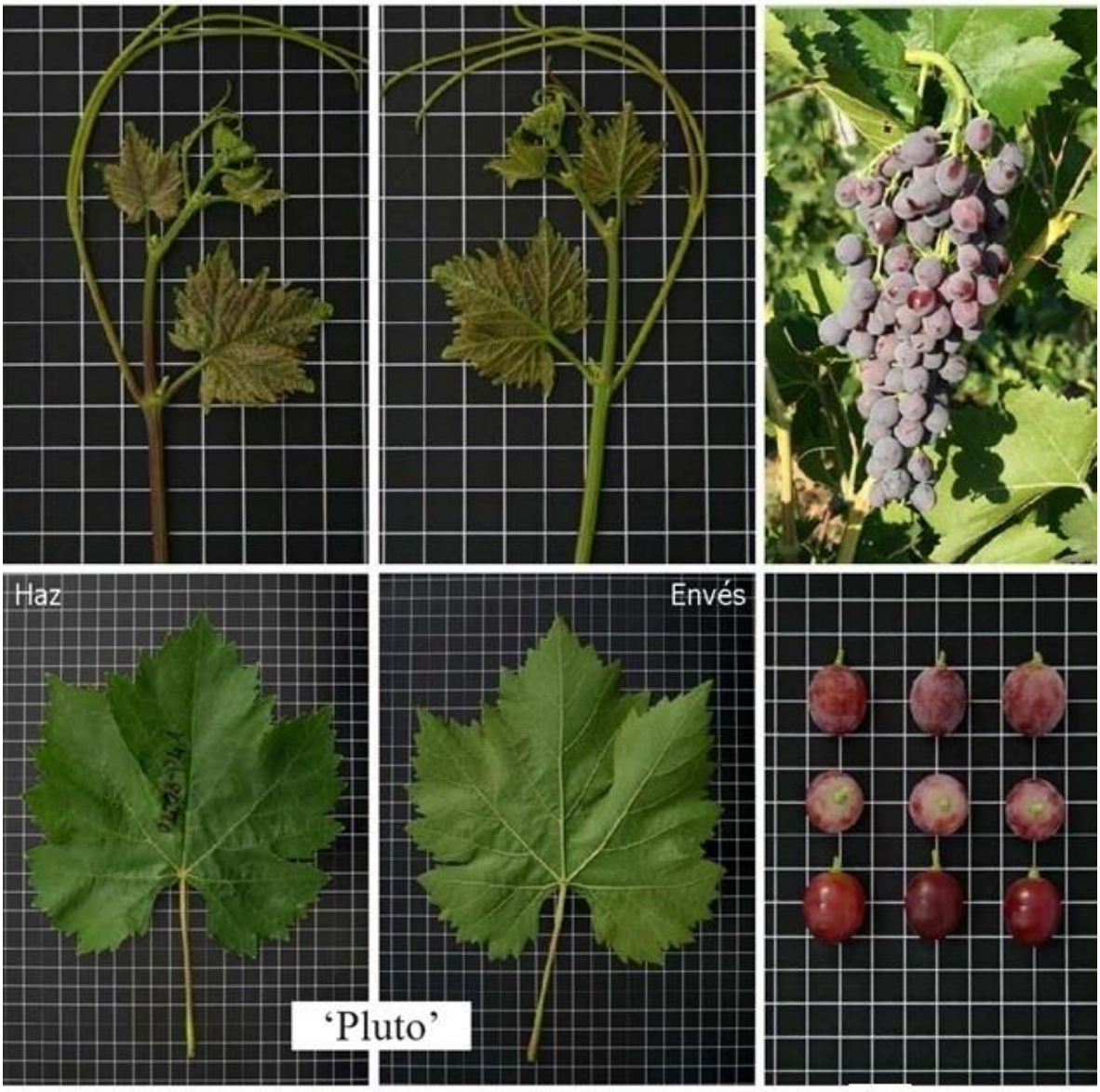
Prior Applications and Sales:

Country	Year	Status	Name Applied
South Africa	2007	Granted	'Stargrape 1'
South Africa	2007	Granted	'Stargrape 1'
USA	2014	Granted	'Stargrape 1'
EU	2015	Applied	'Pluto'
Egypt	2015	Granted	'Stargrape 1'
Spain	2015	Applied	'Pluto'
Morocco	2016	Applied	'Stargrape 1'
Tunisia	2016	Applied	'Firestar'
Turkey	2016	Applied	'Firestar'
Israel	2016	Applied	'Stargrape 1'
Chile		Applied	'Pluto'

Mexico	2017	Filed	‘Pluto’
Brazil	2017	Filed	‘Pluto’

First sold in South Africa as ‘Stargrape 1’ on 20th Aug 2012

Description: **Alison MacGregor,** Mildura, Vic 3500



Grape vine (*Vitis vinifera*) variety ‘Pluto’

Details of Application

Application Number	2018/087
Variety Name	'PMSP185200102'
Genus Species	*Spinacia oleracea*
Common Name	Spinach
Synonym	N/A
Accepted Date	17 May 2019
Applicant	Nunhems B.V., Haelen, The Netherlands
Agent	Spruson & Ferguson, Sydney, NSW
Qualified Person	Ean Blackwell

Details of Comparative Trial

Overseas Testing Authority	Naktuinbouw, NL
Overseas Data Reference Number	SPN789
Location	Naktuinbouw, ROELOFARENDSVEEN, NL
Descriptor	Spinach (*Spinacea oleracea*), TG/55/7
Period	2018
Conditions	N/A

Origin and Breeding

Controlled pollination: cross between parents followed by several generations of inbreeding and selection for Pfs resistance and high proportion of female plants. Breeder: Nunhems B.V., Haelen, The Netherlands.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	red coloration of stem, petioles, and veins	absent
Leaf blade	intensity of green colour	medium
Plant	proportion of monoecious plants	absent or very low
Plant	proportion of female plants	very high

Plant	proportion of male plants	absent or very low
Bolting	time of start of bolting (for spring sown crops, 15% of plants)	late

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'PMSP188463719'	

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

Organ/Plant Part: Context	'PMSP185200102'	'PMSP188463719'
☐ Seedling: length of cotyledon	medium	
☐ Leaf blade: intensity of green colour	medium	
☒ Leaf blade: blistering	weak to medium	absent or very weak to weak
☐ Leaf blade: lobing	weak	
☐ Petiole: attitude	semi-erect	
☐ Petiole: length	medium	
☐ Leaf blade: attitude	horizontal	
☒ Leaf blade: shape (excluding basal lobes)	broad ovate	triangular
☐ Leaf blade: curving of margin	recurved	
☐ Leaf blade: shape of apex	acute	
☐ Leaf blade: shape in longditudinal section	flat	
☐ Proportion of monoecious plants:	absent or very low	
☐ Proportion of female plants:	very high	
☐ Proportion of male plants:	absent or very low	
☒ Time of start of bolting (for spring sown crops): 15% of plants	late	very early to early
☐ Seed: spines (harvested seed)	absent	

☐ Race Pfs: 1: Resistance	present	
☐ Race Pfs: 2: resistance	present	
☐ Race Pfs: 3: resistance	present	
☒ Race Pfs: 4: resistance	absent	present
☐ Race Pfs: 5: resistance	present	
☐ Race Pfs: 6: resistance	absent	
☐ Race Pfs: 7: resistance	absent	
☒ Race Pfs: 8: resistance	present	absent
☐ Race Pfs: 10: resistance	absent	
☐ Race Pfs: 11: resistance	present	
☒ Race Pfs: 12: resistance	present	absent
☒ Race Pfs: 13: resistance	absent	present
☐ Race Pfs: 14: resistance	absent	
☒ Race Pfs: 15: resistance	absent	present

Prior Applications and Sales:

Country	Year	Status	Name Applied
Netherlands	2018	Granted	'185200102'

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

Spinach (*Spinacia oleracea*) variety 'PMSP185200102'

Details of Application

Application Number	2018/090
Variety Name	
Genus Species	*Spinacia oleracea*
Common Name	Spinach
Synonym	N/A
Accepted Date	06 Jun 2018
Applicant	Nunhems B.V., Haelen, The Netherlands
Agent	Spruson & Ferguson, Sydney, NSW
Qualified Person	Ean Blackwell

Details of Comparative Trial

Overseas Testing Authority	Naktuinbouw, NL
Overseas Data Reference Number	SPN721
Location	Naktuinbouw, ROELOFARENDSVEEN, NL
Descriptor	Spinach (*Spinacea oleracea*), TG/55/7
Period	2017 - 2018
Conditions	N/A
RHS Chart - edition	

Origin and Breeding

Controlled pollination: An existing variety was inbred (selfed) several times to create the female parent. An existing inbred line was crossed with gene bank material to create the male parent. The female parent and the male parent were crossed to produce present variety 'PMSP188463776'. Breeder: Nunhems B.V., Haelen, The Netherlands.

Choice of Comparators

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

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

Plant	red coloration of stem, petioles and veins	absent
Leaf blade	intensity of green colour	medium
Plant	proportion of monoecious plants	absent or very low
Plant	proportion of female plants	very high
Plant	proportion of male plants	absent or very low
Bolting	time of start of bolting (for spring sown crops, 15% of plants)	early to medium
Resistance	*Peronospora farinose* f.sp .spinacae race Pfs: 10	present
Resistance	*Peronospora farinose* f.sp .spinacae race Pfs: 12	present
Resistance	*Peronospora farinose* f.sp .spinacae race Pfs: 13	present
Resistance	*Peronospora farinose* f.sp .spinacae race Pfs: 14	present
Resistance	*Peronospora farinose* f.sp .spinacae race Pfs: 15	present

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'SP 629-8463776'	

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

Organ/Plant Part: Context	'PMSP188463776'	'SP 629-8463776'
☐ Seedling: length of cotyledon	short to medium	
☐ Leaf: anthocyanin coloration of petioles and veins	absent	
☒ Leaf blade: intensity of green colour	medium	very dark
☐ Leaf blade: blistering	medium	weak to medium
☐ Leaf blade: lobing	absent or very weak to weak	
☒ Petiole: attitude	horizontal	semi-erect
☒ Petiole: length	medium to long	short to medium
☐ Leaf blade: attitude	horizontal to semi-pendulous	horizontal
☐ Leaf blade: shape (excluding basal lobes)	broad ovate	
☐ Leaf blade: curving of margin	flat	
☐ Leaf blade: shape of apex	rounded	
☐ Leaf blade: shape in longditudinal section	flat	
☐ Proportion of monoecious plants:	absent or very low	
☐ Proportion of female plants:	very high	
☐ Proportion of male plants:	absent or very low	
☐ Time of start of bolting (for spring sown crops): 15% of plants	early to medium	medium
☐ Seed: spines (harvested seed)	absent	
☐ Race Pfs: 1: Resistance	present	

☐ Race Pfs: 2: resistance	present	
☐ Race Pfs: 3: resistance	present	
☒ Race Pfs: 4: resistance	absent	present
☐ Race Pfs: 5: resistance	present	
☐ Race Pfs: 6: resistance	present	
☐ Race Pfs: 7: resistance	present	
☐ Race Pfs: 8: resistance	present	
☐ Race Pfs: 10: resistance	present	
☐ Race Pfs: 11: resistance	present	
☐ Race Pfs: 12: resistance	present	
☐ Race Pfs: 13: resistance	present	
☐ Race Pfs: 14: resistance	present	
☐ Race Pfs: 15: resistance	present	

Prior Applications and Sales:

Country	Year	Status	Name Applied
NL	2016	Granted	'8463776'

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

Spinacia oleracea (Spinach) variety
'PMSP188463776'

Details of Application

Application Number	2018/097
Variety Name	'SMS-16-CA 2014-2016'
Genus Species	*Prunus avium*
Common Name	Sweet Cherry
Accepted Date	24 May 2018
Applicant	SMS Unlimited LLC, 1142 Rivergate Drive, 22, LODI, California, 95240 USA
Agent	Australian Nurserymens Fruit Improvement Company (ANFIC) Ltd, Kallangur, QLD 4503
Qualified Person	Dr Gavin Porter

Details of Comparative Trial

Overseas Testing Authority	Oficina Española de Variedades Vegetales (OEVV)
Overseas Data Reference Number	20170915
Location	Zaragoza, Spain
Descriptor	TG 035/2
Period	2018-2022

Origin and Breeding

Open pollination: In 1998, fruit was harvested from our proprietary sweet cherry seedling 'SC3-35' in our experimental orchard located near Lodi, California USA. The seed from this fruit was extracted, stratified and then germinated in 1999 before planting the seedlings in pots. These seedlings were grown for several seasons before first fruit were observed on the seedlings in 2002. Evaluation of these seedlings led to the identification of a potential new cherry variety with the characteristics of early fruit maturity, high tree productivity with large to very large firm fruit. This seedling selection (Breeder code: SMS16) was evaluated for 3-4 seasons in California, USA, Washington State, USA and Spain. This seedling selection was subsequently renamed 'SMS-16-CA 2014-2016', a new and distinct variety of sweet cherry tree (*Prunus avium* L.) which originated in our experimental orchard located near Lodi, California USA as an open pollinated seedling from our proprietary sweet cherry seedling with the field identification number 'SC3-35'. 'SMS-16-CA 2014-2016' was known to have the following desirable commercial cherry variety characteristics of early season harvest maturity (3-7 days after Chelan and 5-8 days after Brooks), high quality large to very large fruit with good flavour and heavy cropping and self-fertility. Breeder: Steve Southwick - SMS Unlimited LLC, 1142 Rivergate Drive, 22, LODI, California, 95240 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	shape	oblate
Fruit	suture	weakly conspicuous
Time of	beginning of fruit ripening	medium

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Frisco'	
'Chelan'	

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

Organ/Plant Part: Context	'SMS-16-CA 2014-2016'	'Chelan'	'Frisco'
☐ Tree: vigour	medium		
☐ *Tree: habit	semi-upright		
☐ *Tree: branching	medium		
☐ One-year-old shoot: number of lenticels	few		
☐ Young shoot: anthocyanin colouration of tip	weak		
☐ Leaf blade: length	medium		
☐ Leaf blade: width	narrow to medium		
☐ *Leaf blade: ratio length/width	medium to large		
☐ Leaf blade: green colour of upper side	medium to dark		
☐ *Leaf: length of petiole	medium		
☐ Leaf: ratio length of petiole/length of blade	small to medium		
☐ *Petiole: nectaries	present		
☐ Petiole: colour of nectaries	light red		

☐	Flower: diameter of corolla	small to medium		
☐	Flower: shape of petal	round		
☐	Flower: relative position of petal margins	touching		
☐	*Fruit: size	large		
☒	*Fruit: shape	flat-round	round	reniform
☐	Fruit: pistil end	depressed		
☐	*Fruit: colour of skin	dark red		
☐	Fruit: size of lenticels on skin	small		
☐	Fruit: number of lenticels on skin	medium		
☐	Fruit: colour of juice	red		
☐	Fruit: colour of flesh	red		
☐	*Fruit: firmness	firm		
☒	Fruit: acidity	medium	high	low
☐	Fruit: sweetness	high		
☐	Fruit: juiciness	medium to strong		
☐	*Fruit: length of stalk	short to medium		
☐	Fruit: abscission layer between stalk and fruit	absent		
☐	Fruit: thickness of stalk	medium		
☐	*Stone: size	medium		
☐	*Stone: shape	broad elliptic		
☐	*Stone: size relative to fruit	small to medium		
☐	*Time of: flowering	early		
☒	*Time of: fruit maturity	medium	early	

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'SMS-16-CA 2014-2016'	'Chelan'	'Frisco'
☒ Fruit: Suture	weakly conspicuous		strongly conspicuous

Prior Applications and Sales:

Country	Year	Status	Name Applied
USA	2016	Granted	'Epick 16'
EU	2022	Granted	'Epick 16'

No prior sales

Description: **Gavin Porter,** Kallangur, QLD 4503

Cherry (*Prunus avium*) - 'SMS-16-CA 2014-2016'

Details of Application

Application Number	2018/100
Variety Name	'JINSHI 1'
Genus Species	*Actinidia chinensis*
Common Name	Kiwifruit
Synonym	'HFY01'
Accepted Date	30 May 2018
Applicant	Sichuan Huasheng Agricultural Ltd., 2 Zhenjiang Road, Jiangsu Industrial Zone, Mianzhu City, P. R. Chaina
Agent	BLOOMZ New Zealand Limited, Tauranga, New Zealand
Qualified Person	Louisa van den Berg

Details of Comparative Trial

Overseas Testing Authority	CREA-OFA Centro di Olivicoltura Frutticolura Agrumicoltura
Overseas Data Reference Number	2016/0898
Location	CREA-OFA, Via di Fioranello, 52, 00134 Rome, ITALY
Descriptor	CPVO-TP/098/2
Period	2017-2022
Conditions	As per UPOV test guidelines
Trial Design	As per UPOV test guidelines
Measurements	All measurements and observations taken according to UPOV guideline CPVO-TP/098/2 Final
RHS Chart - edition	2007

Origin and Breeding

Open pollination: 'HFY01' originates from a cross made by the inventor in 2004 in Xia Yuan village, Shifang County, Sichuan Province, China. The female or seed parent is the *Actinidia chinensis* Pl. cultivar 'JXFX-CK-04136'. The variety was developed by open pollination and the male or pollen parent is unknown. Seeds were sown in February 2005 and 300 seedlings were then planted out in the field in a kiwifruit research station in Shifang County, Sichuan Province China, in February 2005. The seedlings first fruited in April 2008. One female seedling was propagated by grafting on to rootstock in October 2009. The new Actinidia cultivar was selected by the inventor in a controlled environment in 2010 in Shifang County, Sichuan Province,

China. Asexual reproduction of the new Actinidia cultivar is by grafting on rootstocks of *Actinidia deliciosa* and was first performed in April 2012 in a kiwifruit research station in Shifang County, Sichuan Province, China. The combination of characteristics as herein disclosed for the new cultivar are stable and retained through successive generations of asexual reproduction. The new cultivar reproduces true to type. Breeder: Li Ming Zhang, Sichuan Huasheng Agricultural Ltd, 24, The South 2nd Section of Yihuan Road, CN - 610000 Chengdu, China

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	medium
Fruit	shape	ovate
Fruit	stylar end	weakly blunt protruding
Fruit	hairiness of skin	present
Fruit	colour of outer pericarp	medium yellow
Fruit	colour of locules	dark yellow
Plant	time of beginning of flowering	medium to late
Plant	time of maturity for harvest	late to very late

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Soreli'	Gold Actinidia chinensis variety

Organ/Plant Part: Context	'JINSHI 1'	'Soreli'
☐ *Plant: sex	female	
☐ Plant: self fruit setting	absent	
☐ Plant: vigour	medium	
☐ *Young shoot: density of hairs	sparse	
☐ *Young shoot: anthocyanin colouration of growing tip	absent or very weak	
☐ *Stem: thickness	medium	
☒ *Stem: colour of shoot on sunny side	dark brown	light brown

☐	Stem: texture of bark	moderately rough	
☐	Stem: density of hairs	absent or sparse	
☐	*Stem: size of lenticels	large	
☐	*Stem: number of lenticels	few	
☒	*Stem: prominence of bud support	strong	medium
☐	*Stem: presence of bud cover	absent	
☐	*Stem: size of hole in bud cover	large	
☐	Stem: leaf scar	strongly depressed	
☐	*Stem: pith	lamellate	
☐	*Leaf blade: shape	ovate	
☐	*Leaf blade: ratio length/width	intermediate	
☐	*Leaf blade: shape of apex	acute	
☐	*Leaf blade: basal lobes	touching each other	
☐	Leaf blade: density of hairs on upper side	absent or very sparse	
☒	Leaf blade: density of hairs on lower side	medium	sparse
☐	*Leaf blade: intensity of green colour of upper side	medium	
☐	*Leaf blade: colour of lower side	medium green	
☐	Leaf blade: variegation	absent	
☒	*Leaf: length of petiole relative to blade	medium	very large
☐	Petiole: anthocyanin colouration of upper side	medium	
☐	Inflorescence: type	dichasium	
☐	Inflorescence: number of flowers	few	
☐	Flower: number of sepals	many	
☐	*Flower: main colour of sepals	green	

☒	Flower: density of sepal hairs	dense	medium
☐	*Flower: diameter	medium to large	
☐	*Flower: arrangement of petals	overlapping	
☐	Flower: shape in profile	flat	
☐	Flower: number of styles	medium	
☐	*Flower: attitude of styles	semi-erect	
☐	Petal: main colour on adaxial side	white	
☐	Petal: shading of main colour	even	
☐	Petal: second colour on adaxial side	green	
☐	Petal: distribution of second colour	basal spot only	
☐	Anther: colour	yellow orange	
☐	*Fruit: weight	medium	
☐	*Fruit: length	medium	
☒	*Fruit: width	medium to broad	medium
☐	*Fruit: ratio length/width	medium to weakly compressed	
☐	*Fruit: shape	ovate	
☐	*Fruit: shape in cross section (at median)	oblate	
☐	*Fruit: stylar end	weakly blunt protruding	
☐	Fruit: presence of calyx ring	strongly expressed	
☐	*Fruit: shape of shoulder at stalk end	truncate	
☐	*Fruit: length of stalk	medium	
☐	*Fruit: length of stalk relative to length of fruit	medium	
☐	Fruit: conspicuousness of lenticels on skin	strong	
☐	*Fruit: hairiness of skin	present	

☐	*Fruit: density of hairs	sparse	
☐	Fruit: colour of hairs	yellow brown	
☐	*Fruit: adherence of hairs to skin	strong	
☒	*Fruit: colour of skin	medium brown	reddish brown
☐	*Fruit: colour of outer pericarp	medium yellow	
☐	*Fruit: colour of locules	dark yellow	
☐	*Fruit: width of core relative to fruit	small	
☐	*Fruit: general shape of core in cross section	transverse elliptic	
☐	*Fruit: colour of core	yellow white	
☐	Fruit: sweetness	medium to high	
☐	Fruit: acidity	medium	
☐	*Time of: vegetative bud burst	late to very late	
☐	*Time of: beginning of flowering	medium to late	
☐	*Time of: maturity for harvest	late to very late	

Prior Applications and Sales:

Country	Year	Status	Name Applied
Chile	2017	Granted	'HFY01'
China	2013	Granted	'JINSHI 1'
EU	2017	Granted	'HFY01'
New Zealand	2017	Applied	'HFY01'
Peru	2018	Granted	'HFY01'
South Korea	2017	Applied	'HFY01'
Uruguay	2022	Granted	'HFY01'
USA	2017	Granted	'HFY01'

First sold in China in October 2015

Description: **Louisa van den Berg**, BLOOMZ New Zealand Limited, Tauranga, New Zealand

Kiwifruit (*Actinidia chinensis*) - Fruits of 'ZINSHI 1'

Details of Application

Application Number	2018/154
Variety Name	'Sugrafiftyone'
Genus Species	*Vitis vinifera*
Common Name	Grape vine
Synonym	'SUGRA51'
Accepted Date	04 Jun 2018
Applicant	Sun World International LLC, Bakersfield, CA 93309, USA
Agent	Corrs Chambers Westgarth, Melbourne
Qualified Person	Garry Langford

Details of Comparative Trial

Location	3258 Fifteenth Ave, Irymple, VIC
Descriptor	TG 50/9
Period	2019-2023
Conditions	The trial is planted adjacent to commercial table grape vineyards in the Sunraysia region of Victoria that is ideal for the production of table grapes.
Trial Design	10 vines of the candidate and the comparator are planted on 1103-P rootstocks at spacings of 3.35m x 2.4m in adjacent rows.
Measurements	Any measurements are in millimetres and grams
RHS Chart - edition	2000

Origin and Breeding

Controlled pollination: the candidate is the result of crossing completed at Wasco, California in May 2010. Seeds were planted into a seedling block in April 2011. The candidate was selected for the propagation of rooted cuttings in August 2013 and subsequently planted into testing blocks in March 2014. Observations were completed in the period to September 2014 when the candidate was selected for plant protection and commercialisation. Breeder: Terry A Bacon, Sun World International LLC, Bakersfield, CA 93309, USA.

Choice of Comparators

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Flower	sexual organs	fully developed stamens and no gynoecium
Mature leaf	number of lobes	five
Berry	time of beginning of ripening	early
Berry	shape	broad ellipsoid
Berry	colour of skin	yellow green
Berry	formation of seeds	rudimentary

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Sheegene 21'	similar to candidate in respect of berry colour and time of the beginning of ripening

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
'Thomson Seedless'	berry size	large to very large	small	berry size is significantly different from the candidate
'Menindee Seedless'	berry time of beginning of ripening	early	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	'Sugrafiftyone'	'Sheegene 21'
☐ *Time of: bud burst	early	early
☐ *Young shoot: openness of tip	half open	wide open
☐ *Young shoot: prostrate hairs on tip	dense	dense
☐ *Young shoot: anthocyanin colouration of prostrate hairs on tip	absent or very weak	absent or very weak
☐ Young shoot: erect hairs on tip	absent or very sparse	absent or very sparse

☐ *Young leaf: colour of upper side of blade	light copper red	light copper red
☒ *Young leaf: prostrate hairs between main veins on lower side of blade	medium	sparse
☐ Young leaf: erect hairs on main veins on lower side of blade	absent or very sparse	absent or very sparse
☒ Shoot: attitude (before tying)	horizontal	erect
☐ Shoot: colour of dorsal side of internodes	green and red	green and red
☐ *Shoot: colour of ventral side of internodes	green	green
☐ Shoot: colour of dorsal side of nodes	green	green and red
☐ Shoot: colour of ventral side of nodes	green	green
☐ Shoot: erect hairs on internodes	absent or very sparse	absent or very sparse
☒ Shoot: length of tendrils	long	medium
☐ *Flower: sexual organs	fully developed stamens and fully developed gynoecium	fully developed stamens and fully developed gynoecium
☒ *Mature leaf: size of blade	large	medium
☐ *Mature leaf: shape of blade	pentagonal	pentagonal
☐ Mature leaf: blistering of upper side of blade	medium to strong	medium
☐ *Mature leaf: number of lobes	five	five
☐ Mature leaf: depth of upper lateral sinuses	deep to very deep	deep to very deep
☐ Mature leaf: arrangement of lobes of upper lateral sinuses (varieties with lobed leaves only)	slightly overlapped	slightly overlapped
☐ *Mature leaf: arrangement of lobes of petiole sinus	very wide open	wide open
☒ *Mature leaf: length of teeth	long	medium
☒ *Mature leaf: ratio length/width of teeth	large	medium
☐ *Mature leaf: shape of teeth	mixture of both sides straight and both sides convex	mixture of both sides straight and both sides convex

☐ *Mature leaf: proportion of main veins on upper side of blade with anthocyanin colouration	very low to low	absent or very low
☐ Mature leaf: prostrate hairs between main veins on lower side of blade	absent or very sparse	absent or very sparse
☐ *Mature leaf: erect hairs on main veins on lower side of blade	absent or very sparse	absent or very sparse
☐ Mature leaf: length of petiole compared to length of middle vein	moderately shorter	equal
☐ *Time of: beginning of berry ripening	early	early
☐ *Bunch: size (peduncle excluded)	large	medium to large
☐ *Bunch: density	lax to medium	medium to dense
☐ Bunch: length of peduncle of primary bunch	medium	short
☒ *Berry: size	large to very large	medium
☐ *Berry: shape	broad ellipsoid	broad ellipsoid
☐ *Berry: colour of skin (without bloom)	yellow green	yellow green
☐ Berry: ease of detachment from pedicel	moderately easy	moderately easy
☐ Berry: thickness of skin	medium	medium
☐ *Berry: anthocyanin colouration of flesh	absent or very weak	absent or very weak
☐ Berry: firmness of flesh	moderately firm	soft or slightly firm
☐ *Berry: particular flavour	none	none
☐ *Berry: formation of seeds	rudimentary	rudimentary
☐ Woody shoot: main colour	dark brown	dark brown

Prior Applications and Sales:

Country	Year	Status	Name Applied
Chile	2017	pending	'Sugrafiftyone'
South Africa	2017	pending	'Sugrafiftyone'
USA	2016	pending	'Sugrafiftyone'

Israel	2017	pending	'Sugrafiftyone'
Mexico	2017	pending	'Sugrafiftyone'

No prior sale.

Description: **Garry Langford**, Grove, Tasmania

Grape vine (*Vitis vinifera*) variety 'Sugrafiftyone' with comparator 'Sheegene 21'

Details of Application

Application Number	2018/183
Variety Name	'NECTAFLASH'
Genus Species	*Prunus persica* var. *nucipersica*
Common Name	Nectarine
Synonym	
Accepted Date	11 Jul 2018
Applicant	Agro Selections Fruits S.A.S., Route d'Alenya, Elne, France
Agent	Wynnes Patent and Trademark Attorneys, Bulimba, QLD 4171
Qualified Person	Ian Paananen

Details of Comparative Trial

Overseas Testing Authority	GEVES (France)
Overseas Data Reference Number	DEE 4074702
Location	INRA, Montafavet, France
Descriptor	TG/53/6
Period	2013-2016
Conditions	according to CPVO-TP/053/2 Rev
Trial Design	as per CPVO test report 4074702
Measurements	as per CPVO test report 4074702
RHS Chart - edition	

Origin and Breeding

Controlled pollination: seed parent 'Nectabang' with pollen parent 'Nectabelle'. The seed parent is characterised by slightly assymetrical fruit, medium sweet fruit and low tendency for stone splitting. The pollen parent is characterised by a fruit skin over colour of medium red, early maturity and very small fruit size. Selection criteria: attractive clingstone, yellow flesh fruit, very good eating quality, long shelf life without alteration from harvest. Propagation: vegetative by grafting. Breeders: Laurence Maillard and Arsene Maillard, Agro Selections Fruits S.A.S., Route d'Alenya Elne, France.

Choice of Comparators

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Fruit	size	small
Fruit	relative area of over colour	very large
Fruit	hue of over colour	dark red
Fruit	pattern of over colour	solid flush
Fruit	colour of flesh	yellow
Fruit	time of maturity	very early

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Monquet'	
'Maillara'	

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
'Nectafun'	fruit: hue of over colour of skin	dark red	medium 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	'NECTAFLASH'	'Maillara'	'Monquet'
☐ Tree: size	medium to large		
☐ Tree: vigour	medium		
☐ Tree: habit	spreading		
☐ Flowering shoot: thickness	medium		
☐ Flowering shoot: length of internodes	short		

☐ Flowering shoot: presence of anthocyanin colouration	present		
☐ Flowering shoot: intensity of anthocyanin colouration	medium		
☐ Flowering shoot: density of flower buds	medium		
☒ Flower: type	campanulate	rosette	rosette
☐ Corolla: main colour (inner side)	violet pink		
☐ Petal: shape	medium ovate		
☐ Petal: width	narrow		
☐ Flower: number of petals	five		
☐ Stamen: position compared to petals	above		
☐ Stigma: position compared to anthers	above		
☐ Anthers: pollen	present		
☐ Ovary: pubescence	absent		
☐ Stipule: length	medium		
☐ Leaf blade: length	medium		
☐ Leaf blade: width	medium		
☐ Leaf blade: ratio length/width	medium		
☐ Leaf blade: shape in cross section	concave		
☐ Leaf blade: margin	shallow serrate		
☐ Leaf blade: angle at base	right angle		
☐ Leaf blade: angle at apex	large		
☐ Leaf blade: colour	medium green		
☐ Leaf blade: red mid-vein on the lower side	absent		
☐ Petiole: length	short		
☐ Petiole: nectaries	present		

☐ Petiole: shape of nectaries	round
☐ Fruit: size	small
☐ Fruit: shape (in ventral view)	circular
☐ Fruit: mucron tip at pistil end	absent
☐ Fruit: shape of pistil end (excluding mucron tip)	weakly depressed
☐ Fruit: symmetry (viewed from pistil end)	symmetric
☐ Fruit: prominence of suture	weak
☐ Fruit: depth of stalk cavity	shallow
☐ Fruit: width of stalk cavity	narrow to medium
☐ Fruit: ground colour of skin	cream yellow
☐ Fruit: relative area of over colour of skin	very large
☐ Fruit: hue of over colour of skin	dark red
☐ Fruit: pattern of over colour of skin	solid flush
☐ Fruit: pubescence of skin	absent
☐ Fruit: glossiness	absent or weak
☐ Fruit: conspicuousness of lenticels	medium
☐ Fruit: thickness of skin	thin
☐ Fruit: adherence of skin to flesh	weak
☐ Fruit: firmness of flesh	firm
☐ Fruit: carotenoid colouration of flesh	light yellow
☐ Fruit: anthocyanin colouration of flesh next to skin	absent
☐ Fruit: anthocyanin colouration of flesh in central part of flesh	absent
☐ Fruit: anthocyanin colouration of flesh around stone	absent

Fruit: flesh fibre	absent or weak
Fruit: sweetness	high
Fruit: acidity	low
Stone: size in relation to fruit	small
Stone: shape (in lateral view)	circular
Stone: anthocyanin colouration	absent or very weak
Stone: intensity of brown colour	light
Stone: relief of surface	only pits
Stone: adherence to flesh	present
Stone: degree of adherence to flesh	weak to medium
Leaf bud: time of beginning of burst	late
Flower: time of beginning of flowering	medium
Fruit: time of maturity	very early

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2012	granted	'NECTAFLASH'
USA	2014	granted	'NECTAFLASH'

First sold in EU as 'NECTAFLASH' on 11th April 2016

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

Nectarine (*Prunus persica* var *nucipersica*) variety 'NECTAFLASH'

Details of Application

Application Number	2018/184
Variety Name	'CAKEDELICE'
Genus Species	*Prunus persica* var. *nucipersica*
Common Name	Nectarine
Synonym	
Accepted Date	08 Nov 2018
Applicant	Agro Selections Fruits S.A.S., Route d'Alenya, Elne, France
Agent	Wynnes Patent and Trademark Attorneys, Bulimba, QLD 4171
Qualified Person	Ian Paananen

Details of Comparative Trial

Overseas Testing Authority	4074696
Overseas Data Reference Number	GEVES (France)
Location	INRA, Avignon, France
Descriptor	TG/53/7
Period	2012-2016
Conditions	according to CPVO-TP/053/2 Rev
Trial Design	as per CPVO test report 4074696
Measurements	as per CPVO test report 4074696
RHS Chart - edition	

Origin and Breeding

Controlled pollination: seed parent 'Nectarmagie' with pollen parent 'ASFNBF0688'. The seed parent is characterised by a round fruit shape. The pollen parent is characterised by a red over pink colour fruit skin colour, round and slightly flattened fruit shape and very small fruit size. Selection criteria: attractive, flat semi-clingstone, white flesh fruit, very good eating quality, long shelf life. Propagation: vegetative by grafting. Breeders: Laurence Maillard and Arsene Maillard, Agro Selections Fruits S.A.S., Route d'Alenya Elne, France.

Choice of Comparators

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

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

Flower	type	rosette
Fruit	shape in ventral view	broad oblate
Fruit	symmetry	symmetric
Fruit	hue of over colour	dark red
Fruit	pattern of over colour	solid flush
Fruit	pubescence of skin	absent
Fruit	colour of flesh	greenish white

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Cakepearl'	breeders reference: 4s.3w.18nbpl - asf0678

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
'Cakelove'	time of: maturity for consumption	early to medium	medium to 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	'CAKEDELICE'	'Cakepearl'
☐ *Tree: size	large	
☐ Tree: vigour	strong	
☐ *Tree: habit	upright to spreading	
☐ Flowering shoot: thickness	thin	
☐ Flowering shoot: length of internodes	short	
☐ Flowering shoot: presence of anthocyanin colouration	present	

☐ Flowering shoot: intensity of anthocyanin colouration	medium	
☐ Flowering shoot: density of flower buds	medium	
☐ *Flower: type	rosette	
☐ *Corolla: main colour (inner side)	medium pink	
☐ *Petal: shape	circular	
☐ *Petal: width (varieties with flower type: rosette only)	very broad	
☐ *Flower: number of petals	five	
☐ Stamen: position compared to petals	below	
☐ *Stigma: position compared to anthers	same level	
☐ *Anthers: pollen	present	
☐ *Ovary: pubescence	absent	
☐ Stipule: length	short	
☐ *Leaf blade: length	medium	
☐ *Leaf blade: width	medium	
☐ *Leaf blade: ratio length/width	low	
☐ Leaf blade: shape in cross section	concave	
☐ Leaf blade: margin	deep serrate	
☐ Leaf blade: angle at base	obtuse	
☐ Leaf blade: angle at apex	large	
☐ Leaf blade: colour	medium green	
☐ Leaf blade: red mid vein on the lower side	absent	
☐ Petiole: length	short	
☐ *Petiole: nectaries	present	present
☒ *Petiole: shape of nectaries	reniform	round

*Fruit: size	small
*Fruit: shape (in ventral view)	broad oblate
Fruit: mucron tip at pistil end	absent
Fruit: shape of pistil end (excluding mucron tip)	strongly depressed
Fruit: symmetry (viewed from pistil end)	symmetric
Fruit: prominence of suture	medium
Fruit: depth of stalk cavity	shallow
Fruit: width of stalk cavity	broad
*Fruit: ground colour of skin	green
*Fruit: relative area of over colour of skin	very large
Fruit: hue of over colour of skin	dark red
Fruit: pattern of over colour of skin	solid flush
*Fruit: pubescence of skin	absent
Fruit: glossiness (varieties with fruit pubescence: absent only)	medium
Fruit: conspicuousness of lenticels (varieties with fruit pubescence: absent only)	medium
Fruit: thickness of skin	thin
Fruit: adherence of skin to flesh	weak
*Fruit: firmness of flesh	very firm
*Fruit: carotenoid colouration of flesh	greenish white
*Fruit: anthocyanin colouration of flesh next to skin	absent or very weak
*Fruit: anthocyanin colouration of flesh in central part of flesh	absent or very weak
*Fruit: anthocyanin colouration of flesh around stone	medium
Fruit: flesh fiber	absent or weak

☐ Fruit: sweetness	high
☐ *Fruit: acidity	very low
☐ *Stone: size compared to fruit	small
☐ *Stone: shape (in lateral view)	oblate
☐ Stone: anthocyanin colouration	strong
☐ Stone: intensity of brown colour	medium
☐ Stone: relief of surface	predominantly pits
☐ Stone: tendency to split	absent or very low
☐ Stone: adherence to flesh	present
☐ Stone: degree of adherence to flesh	weak
☐ Time of : beginning of leaf bud burst	early
☐ *Time of: beginning of flowering	early
☐ *Time of: maturity for consumption	early to medium

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2012	granted	'CAKEDELICE'
USA	2013	granted	'CAKEDELICE'
Morocco	2012	pending	'CAKEDELICE'

First sold in Spain as 'CAKEDELICE' on 30th Sept 2012

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

Nectarine (*Prunus persica* var *nucipersica*) variety 'CAKEDELICE'

Details of Application

Application Number	2018/185
Variety Name	'FLATDIVA'
Genus Species	*Prunus persica*
Common Name	Peach
Synonym	
Accepted Date	17 Aug 2018
Applicant	Agro Selections Fruits S.A.S., Route d'Alenya, Elne, France
Agent	Wynnes Patent and Trademark Attorneys, Bulimba, QLD 4171
Qualified Person	Ian Paananen

Details of Comparative Trial

Overseas Testing Authority	GEVES (France)
Overseas Data Reference Number	4074703
Location	INRA, Montafavet, France
Descriptor	TG/53/6
Period	2013-2016
Conditions	according to CPVO-TP/053/2 Rev
Trial Design	as per CPVO test report 4074703
Measurements	as per CPVO test report 4074703
RHS Chart - edition	

Origin and Breeding

Controlled pollination: seed parent 'Flatstar' with pollen parent 'Nectarflora'. The seed parent is characterised by a weak red intensity of over colour, medium time of maturity and medium to large fruit size. The pollen parent is characterised by an early time of maturity and a white flesh colour. Selection criteria: flat fruit shape, very good eating quality, long shelf life of fruit, greenish white flesh, attractive red skin colour. Propagation: vegetative by grafting. Breeders: Laurence Maillard and Arsene Maillard, Agro Selections Fruits S.A.S., Route d'Alenya Elne, France.

Choice of Comparators:

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Fruit	size	small
Fruit	shape in ventral view	oblate
Fruit	pattern of over colour	solid flush
Fruit	colour of flesh	greenish white
Stone	degree of adherence to flesh	weak

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Platicia'	

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

Organ/Plant Part: Context	'FLATDIVA'	'Platicia'
☐ *Tree: size	medium to large	
☐ Tree: vigour	medium to strong	
☐ *Tree: habit	spreading	
☐ Flowering shoot: thickness	medium	
☐ Flowering shoot: length of internodes	short	
☐ Flowering shoot: presence of anthocyanin colouration	present	
☐ Flowering shoot: intensity of anthocyanin colouration	medium	
☐ Flowering shoot: density of flower buds	medium	
☐ *Flower: type	rosette	
☐ *Corolla: main colour (inner side)	dark pink	
☐ *Petal: shape	medium ovate	
☐ *Petal: width (varieties with flower type: rosette only)	medium	

*Flower: number of petals	five
Stamen: position compared to petals	below
*Stigma: position compared to anthers	same level
*Anthers: pollen	present
*Ovary: pubescence	present
Stipule: length	short
*Leaf blade: length	medium
*Leaf blade: width	narrow
*Leaf blade: ratio length/width	medium
Leaf blade: shape in cross section	concave
Leaf blade: margin	shallow serrate
Leaf blade: angle at base	acute
Leaf blade: angle at apex	large
Leaf blade: colour	medium green
Leaf blade: red mid vein on the lower side	absent
Petiole: length	short
*Petiole: nectaries	present
*Petiole: shape of nectaries	reniform
*Fruit: size	small
*Fruit: shape (in ventral view)	broad oblate
Fruit: mucron tip at pistil end	absent
Fruit: shape of pistil end (excluding mucron tip)	strongly depressed
Fruit: symmetry (viewed from pistil end)	symmetric
Fruit: prominence of suture	medium
Fruit: depth of stalk cavity	shallow

Fruit: width of stalk cavity	broad
*Fruit: ground colour of skin	greenish white
*Fruit: relative area of over colour of skin	very large
Fruit: hue of over colour of skin	medium red
Fruit: pattern of over colour of skin	solid flush
*Fruit: pubescence of skin	present
*Fruit: density of pubescence of skin	sparse
Fruit: thickness of skin	thin
Fruit: adherence of skin to flesh	weak
*Fruit: firmness of flesh	firm
*Fruit: carotenoid colouration of flesh	greenish white
*Fruit: anthocyanin colouration of flesh next to skin	absent or very weak
*Fruit: anthocyanin colouration of flesh in central part of flesh	absent or very weak
*Fruit: anthocyanin colouration of flesh around stone	medium
Fruit: flesh fiber	absent or weak
Fruit: sweetness	high
*Fruit: acidity	very low
*Stone: size compared to fruit	small
*Stone: shape (in lateral view)	oblate
Stone: anthocyanin colouration	strong
Stone: intensity of brown colour	medium to dark
Stone: relief of surface	only pits
Stone: tendency to split	absent or very low
Stone: adherence to flesh	present

☐ Stone: degree of adherence to flesh	weak	
☒ Time of : beginning of leaf bud burst	late to very late	very early
☒ *Time of: beginning of flowering	medium to late	early
☐ *Time of: maturity for consumption	medium to late	

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2012	granted	'FLATDIVA'
USA	2014	granted	'FLATDIVA'
Morocco	2015	pending	'FLATDIVA'
Switzerland	2018	pending	'FLATDIVA'

First sold in Spain as 'CAKEDELICE' on 11th March 2014

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

Peach (*Prunus persica*) variety 'FLATDIVA'

Details of Application

Application Number	2018/186
Variety Name	'APRINEW'
Genus Species	*Prunus armeniaca*
Common Name	Apricot
Synonym	
Accepted Date	17 Aug 2018
Applicant	Agro Selections Fruits S.A.S., Route d'Alenya, Elne, France
Agent	Wynnes Patent and Trademark Attorneys, Bulimba, QLD 4171
Qualified Person	Ian Paananen

Details of Comparative Trial

Overseas Testing Authority	GEVES (France)
Overseas Data Reference Number	4074697
Location	INRA, Montafavet, France
Descriptor	
Period	2012-2015
Conditions	according to CPVO-TP/070/2
Trial Design	as per CPVO test report 4074697
Measurements	as per CPVO test report 4074697
RHS Chart - edition	

Origin and Breeding

Controlled pollination: seed parent 'ASFCOT0406' with pollen parent 'ASFCOT0405'. The seed parent is characterised by a late to very late time of flowering, medium time of maturity and very large area of over colour of fruit. The pollen parent is characterised by a medium to late time of flowering, early time of maturity and large fruit size. Selection criteria: very good eating quality, very long shelf life of fruit, orange flesh, attractive red to orange red skin over colour. Propagation: vegetative by grafting. Breeders: Laurence Maillard and Arsene Maillard, Agro Selections Fruits S.A.S., Route d'Alenya Elne, France.

Choice of Comparators:

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Flower	diameter	large
Fruit	ground colour	orange

Fruit	intensity of over colour	dark
Fruit	pattern of over colour	covered all over with very small dots
Fruit	texture of flesh	fine
Fruit	firmness of flesh	firm
Fruit	adherence of stone to flesh	absent or very weak
Time of	beginning of fruit ripening	early to medium

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Digat'	
'Hargrand'	

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

Organ/Plant Part: Context	'APRINEW'	'Digat'	'Hargrand'
☐ Tree: vigour	strong		
☐ Tree: habit	spreading		
☐ Tree: degree of branching	medium		
☐ *Tree: distribution of flower buds	equally on spurs and on one-year old shoots		
☒ *Young shoot: anthocyanin colouration of apex	medium		weak
☐ One-year-old shoot: colour on sunny side	purple brown		
☐ One-year old shoot: size of bud support	large		
☐ Leaf blade: length	medium to long		
☐ Leaf blade: width	narrow		
☒ Leaf blade: ratio length/width	large to very large		small
☐ Leaf blade: intensity of green colour of upper side	medium to dark		

☐ Leaf blade: shape of base	obtuse		
☐ Leaf blade: angle of apex (excluding tip)	moderately obtuse		
☐ Leaf blade: length of tip	medium		
☐ Leaf blade: incisions of margin	crenate		
☐ Leaf blade: undulation of margin	weak to medium		
☐ Leaf blade: profile in cross section	moderately concave		
☐ *Petiole: length	short to medium		
☐ Leaf: ratio length of blade/length of petiole	medium		
☐ Petiole: thickness	medium		
☐ Petiole: anthocyanin colouration of upper side	medium to strong		
☐ *Petiole: predominant number of nectaries	two or three		
☐ Petiole: size of nectaries	medium		
☐ *Flower: diameter	large		
☐ Flower: position of stigma relative to anthers	same level		
☐ Petal: shape (excluding claw)	circular		
☐ Petal: colour on lower side	white		
☒ *Fruit: size	medium	medium to large	very large
☒ Fruit: shape in lateral view	ovate	oblique rhombic	
☐ Fruit: shape in ventral view	ovate		
☐ Fruit: height	medium		
☐ Fruit: lateral width	narrow to medium		
☐ Fruit: ventral width	narrow to medium		
☐ Fruit: ratio height/ventral width	medium		
☐ Fruit: ratio lateral width/ventral width	medium to large		

☐	Fruit: symmetry in ventral view	slightly asymmetric
☐	*Fruit: suture	moderately sunken
☐	*Fruit: depth of stalk cavity	medium
☐	*Fruit: shape of apex	rounded
☐	Fruit: presence of mucron	absent
☐	Fruit: surface	bumpy
☐	Fruit: pubescence	present
☐	Fruit: glossiness (varieties with pubescence absent only)	absent or weak
☐	*Fruit: ground colour	medium orange
☒	*Fruit: relative area of over colour	large small
☐	Fruit: hue of over colour	red
☐	Fruit: intensity of over colour	dark
☐	Fruit: pattern of over colour	covered all over with very small dots
☐	*Fruit: colour of flesh	medium orange
☐	Fruit: texture of flesh	fine
☐	Fruit: firmness of flesh	firm
☒	Fruit: ratio weight of fruit/weight of stone	medium large
☐	*Fruit: adherence of stone to flesh	absent or very weak
☐	*Stone: shape in lateral view	elliptic
☐	Kernel: bitterness	absent or very weak
☐	*Time of: beginning of flowering	medium to late
☐	*Time of: beginning of fruit ripening	early to medium

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2012	granted	'APRINEW'
USA	2013	granted	'APRINEW'
Morocco	2013	pending	'APRINEW'
Switzerland	2012	pending	'APRINEW'

First sold in France as 'APRINEW' on 19th March 2014

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

Apricot (*Prunus armeniaca*) variety 'APRINEW'

Details of Application

Application Number	2018/187
Variety Name	'FIRELAM'
Genus Species	*Prunus avium*
Common Name	Sweet Cherry
Synonym	
Accepted Date	17 Aug 2018
Applicant	Agro Selections Fruits S.A.S., Route d'Alenya, Elne, France
Agent	Wynnes Patent and Trademark Attorneys, Bulimba, QLD 4171
Qualified Person	Ian Paananen

Details of Comparative Trial

Overseas Testing Authority	GEVES (France)
Overseas Data Reference Number	4074704
Location	INRA, Villenave d'Ornon, France
Descriptor	TG/035
Period	2012-2016
Conditions	according to CPVO-TP/35/2
Trial Design	as per CPVO test report 4074704
Measurements	as per CPVO test report 4074704
RHS Chart - edition	

Origin and Breeding

Open pollination: seed parent 'INRA 3364'. The seed parent is characterised by a medium to large fruit with medium firmness and a medium length stalk. Selection criteria: large fruit size, very good eating quality, good handling and storage, very firm flesh, dark red skin colour. Propagation: vegetative by grafting. Breeders: Laurence Maillard and Arsene Maillard, Agro Selections Fruits S.A.S., Route d'Alenya Elne, France.

Choice of Comparators:

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

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

Time of	beginning of fruit ripening	medium to late
Fruit	size	large to very large
Time of	beginning of flowering	medium
Fruit	length of stalk	short to medium
Fruit	size of lenticels on skin	very small to small

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Summit'	
'Fercer'	

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

Organ/Plant Part: Context	'FIRELAM'	'Summit'	'Fercer'
☐ Tree: vigour	strong		
☐ *Tree: habit	upright		
☐ *Tree: branching	weak to medium		
☐ Young shoot: anthocyanin colouration of apex	weak		
☐ Young shoot: pubescence of apex	medium		
☐ *One-year-old shoot: length of internode	short		
☐ One-year-old shoot: number of lenticels	medium		
☐ One-year-old shoot: thickness	thick to very thick		
☐ Leaf blade: length	long		
☐ Leaf blade: width	medium to broad		
☐ *Leaf blade: ratio length/width	very large		

☐ Leaf blade: intensity of green colour of upper side	dark		
☐ *Leaf: length of petiole	medium to long		
☐ Leaf: ratio length of blade/length of petiole	medium		
☐ *Leaf: presence of nectaries	present		
☐ Nectaries: colour	greenish yellow		
☐ Flower: diameter	medium		
☐ Flower: shape of petal	broad obovate		
☐ Flower: arrangement of petals	overlapping		
☒ *Fruit: size	large to very large	large	
☒ *Fruit: shape	reniform	cordate	
☐ Fruit: pistil end	depressed		
☐ Fruit: suture	strongly conspicuous		
☐ *Fruit: length of stalk	short		
☐ Fruit: thickness of stalk	medium		
☐ Fruit: abscission layer between stalk and fruit	absent		
☐ *Fruit: colour of skin	dark red		
☐ Fruit: size of lenticels on skin	very small to small		
☐ Fruit: number of lenticels on skin	many		
☐ Fruit: thickness of skin	intermediate		
☐ *Fruit: colour of flesh	dark red		
☐ Fruit: colour of juice	red		
☒ *Fruit: firmness	medium to firm		firm
☐ Fruit: acidity	low		

☐ Fruit: sweetness	high
☐ Fruit: juiciness	medium
☐ *Stone: size	medium
☐ *Stone: shape in ventral view	medium elliptic
☐ *Fruit: ratio weight of fruit/weight of stone	small
☐ *Time of: beginning of flowering	medium
☐ *Time of: beginning of fruit ripening	medium to late

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2012	granted	'FIRELAM'
USA	2013	granted	'FIRELAM'

First sold in France as 'FIRELAM' on 3rd March 2015

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

Sweet Cherry (*Prunus avium*) variety 'FIRELAM'

Details of Application

Application Number	2018/260
Variety Name	'AGV1001'
Genus Species	*Cicer arietinum*
Common Name	Chickpea
Accepted Date	08 Apr 2019
Applicant	AgriVentis Technologies Pty Ltd, North Sydney, NSW 2060
Agent	IP Solved (ANZ) Pty Ltd, Royal Exchange, NSW 1225 Australia
Qualified Person	Dr Donald S. Loch

Details of Comparative Trial

Location	Cleveland, QLD (Latitude 27°31'S, longitude 153°15'E, elevation 26 masl)
Descriptor	TG/143/5 Chickpea (NEW) (*Cicer arietinum*)
Period	20 May 2022 – 29 Nov 2022
Conditions	Experiment situated on a red volcanic (krasnozem or ferrosol) soil; seed sown into dry soil on 20 May 2022 prior to germinating rain on 21 May 2022; weed control by pre-emergence S-metolachlor (Dual Gold®) post-planting on 20 May 2022; 313 kg/ha of blended fertiliser (N:P:K:S = 12.8:14.2:11.9:6.4) applied after planting on 20 May 2022 to give 40 kg N, 44 kg P, 37 kg K, and 20 kg S per hectare; chickpea inoculant (Group N - CC1192) and thiram (Thiram WP Fungicide) applied as a slurry post-planting on 20 May 2022 followed by azoxystrobin (Amistar® 250 SC) as a soil drench on 27 May 2022. Applied aluminium ammonium sulphate (SCAT® Bird & Animal Repellent) on 29 Jun, 7 Jul, 19 Jul, 25 Jul 2022 to deter ducks from damaging the young vegetative plants. Sprayed with chlorantraniprole (Coragen®) on 30 Sep 2022 to protect flowers and pods. Supplementary irrigation applied as required to maintain unstressed growth.
Trial Design	Mini-sward rows of 5 cultivars ('AGV1001', 'AGV1002', 'PBA Drummond', 'PBA Boundary', 'Kyabra') plus second-generation plots of 2 cultivars ('AGV1001', 'AGV1002') were arranged in 5 randomised blocks; ±20 plants per 1.5 m mini-sward plot seeded at c. 7.5 cm spacing along a single 70 m row; 0.5 m between mini-sward plots.
Measurements	Days to flowering determined progressively for each plot (2-10 Aug 2022). Measurements (six per plot) made of petiole and midrib lengths, leaflet number, and midzone leaflet length and width on fully expanded pinnate leaves from the fifth node below the stem tip (17-19 Aug 2022). Two-segmented peduncles on well-developed immature pods (12 per plot) measured (23-28 Sep 2022). Mature canopy height (11 Nov 2022) and numbers of primary basal branches (21 Nov 2022) determined (two measurements per plot). Samples of ripe pods taken (17-29 Nov 2022) for measurements of beak length and pod length, width and depth on 12 well-developed pods per plot and seed counts per pod made from

	50 pods per plot. Seed size determined from samples of 100 or more seeds per plot after sun drying. Analyses of variance (ANOVAs) conducted with GenStat Release 12.
RHS Chart – edition	2015 (6th edition)

Origin and Breeding

Controlled pollination and seedling selection: 'AGV1001' resulted from controlled pollination beginning in 2009 to develop breeder's Line A (Fox x Back Verandah genotypes [Australian]) and separately breeder's Line B (Hammersmith [Australian genotype] x Bangladesh strain). In 2011, the resultant Line A (an early, standard phenotype) was cross pollinated with the resultant Line B (a phenotype with a wide branch structure) by means of assisted open pollination (shaking paired lines in shared confined space). Progeny from this cross were then grown on (2011-2013), culling with preference for wide, well-formed plants of average height. In 2013, F6 populations were found to be uniform and stable, leading to the final selection of 'AGV1001'. Seed increase and testing for production traits continued through to 2017: The morphological appearance of 'AGV1001' was confirmed at two sites with consistent results. Breeder: Paul Stewart, Chatswood, 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	type	desi
Seed	weight	medium - large
Seed	colour	light - medium shades of brown

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'PBA Drummond'	PBR Application No. 2017/300; high yielding desi chickpea widely grown in Central Queensland
'PBA Boundary'	PBR Application No. 2011/201; desi chickpea broadly adapted to northern NSW & southern Queensland
Kyabra'	PBR Application No. 2004/339
'AGV1002'	PBR Application No. 2018/261

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	
'Nafice'	Planttype	desi	kabuli	PBR Application No. 2005/083
‘Almaz’	Planttype	desi	kabuli	PBR Application No. 2005/084
‘PBA Monarch’	Planttype	desi	kabuli	PBR Application No. 2013/137
'Neelam’	Seed weight	medium to large	low	PBR Application No. 2012/213
‘PBA HatTrick’	Seed weight	medium to large	low	PBR Application No. 2009/185
‘PBA HatTrick’	Seed colour	light to medium reddish brown	medium to dark brown	
‘PBA Pistol’	Seed weight	medium to large	low to medium	PBR Application No. 2009/301
‘PBA Seamer’	Seed weight	medium to large	low	PBR Application No. 2016/197
‘PBA Slasher’	Seed weight	medium to large	very low to low	PBR Application No. 2009/186
‘PBA Striker’	Seed colour	light to medium reddish brown	light to medium yellowish brown	PBR Application No. 2012/164
‘PBA Maiden’	Seed colour	light to medium reddish brown	light to medium yellowish brown	PBR Application No. 2012/165
‘Moti’	Seed weight	medium to large	low	PBR Application No. 2003/114
‘Ambar’	Seed weight	medium to large	very low	PBR Application No. 2012/044
‘Ambar’	Seed colour	light to medium reddish brown	medium to dark reddish brown	

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

Organ/Plant Part: Context	'AGV1001'	'PBA Boundary'	'PBA Drummond'	AGV1002'	'Kyabra'
☐ Plant: growth habit	erect to semi-erect	erect to semi-erect	erect to semi-erect	erect to semi-erect	erect to semi-erect
☐ Plant: ramification	medium to strong	medium	medium	medium to strong	medium
☒ Plant: height	tall	medium to tall	short to medium	tall	medium to tall
☐ Stem: anthocyanin colouration	present	present	present	present	present
☐ Foliage: intensity of green colour	medium	medium	medium	medium	medium
☒ Leaflet: size	medium	medium	large	medium	medium
☐ Leaf: type	pinnate	pinnate	pinnate	pinnate	pinnate
☐ Plant: time of flowering	medium	medium	medium	medium	medium
☐ Flower: colour	purplish pink	purplish pink	purplish pink	purplish pink	purplish pink
☒ Pod: peduncle length	short	medium	long	medium	medium
☐ Pod: size	medium	small to medium	medium	medium	medium
☐ Pod: intensity of green colour	medium	medium	medium	medium	medium
☐ Pod: length of beak	short	short	short	short	short
☐ Pod: number of seeds	predominantly two	predominantly two	predominantly two	predominantly two	predominantly two

☐ Seed: colour	brown	brown	brown	greyed brown	brown
☐ Seed: intensity of colour	light	light	light	light	light
☒ Seed: weight	high	low	low	high	medium
☒ Seed: shape	round to angular	angular	angular	round to angular	round to angular
☒ Seed: ribbing	weak	strong	medium	weak	medium
☐ Plant: time of seed maturity	medium	medium	medium to late	medium	medium
☐ seed: type (additional characteristics)	desi	desi	desi	desi	desi

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'AGV1001'	'PBA Boundary'	'PBA Drummond'	'AGV1002'	'Kyabra'
☐ Leaflet: colour of upper side (RHS)	137B	137B	137B	137B	137B
☐ Immature pod: colour (RHS)	143B-C	143B-C	143B-C	143B-C	143B-C
☐ Mature pod: colour (RHS)	162D	162C	162C	162D	162C-D
☐ Seed: colour (RHS)	166B(-164B)	165(A-)B	165B	174B-C	165B
☒ Stem: degree of anthocyanin coloration	slight	medium	strong	strong	medium

Statistical Table

Organ/Plant Part: Context	'AGV1001'	'PBA Boundary'	'PBA Drummond'	'AGV1002'	'Kyabra'
☐ Plant: days from sowing to flowering (days)					
Mean	80.20	78.20	77.60	79.80	80.60
Std. Deviation	1.79	2.59	3.29	2.59	2.07
Lsd/sig	4.40	ns	ns	ns	ns
☒ Plant: mature height (cm)					
Mean	77.30	69.50	58.30	79.40	72.00
Std. Deviation	3.56	5.49	9.54	2.16	4.37
Lsd/sig	9.44	ns	P≤0.01	ns	ns
☐ Plant: number of basal branches					
Mean	8.00	6.80	6.30	7.30	6.30
Std. Deviation	1.77	1.26	0.57	0.57	1.15
Lsd/sig	2.45	ns	ns	ns	ns
☐ Leaf: petiole length (mm)					
Mean	6.92	5.87	6.80	6.67	7.60
Std. Deviation	1.47	1.49	2.07	1.09	2.14
Lsd/sig	1.46	ns	ns	ns	ns
☒ Leaf: length of midrib (mm)					
Mean	74.65	67.43	63.90	72.88	73.43

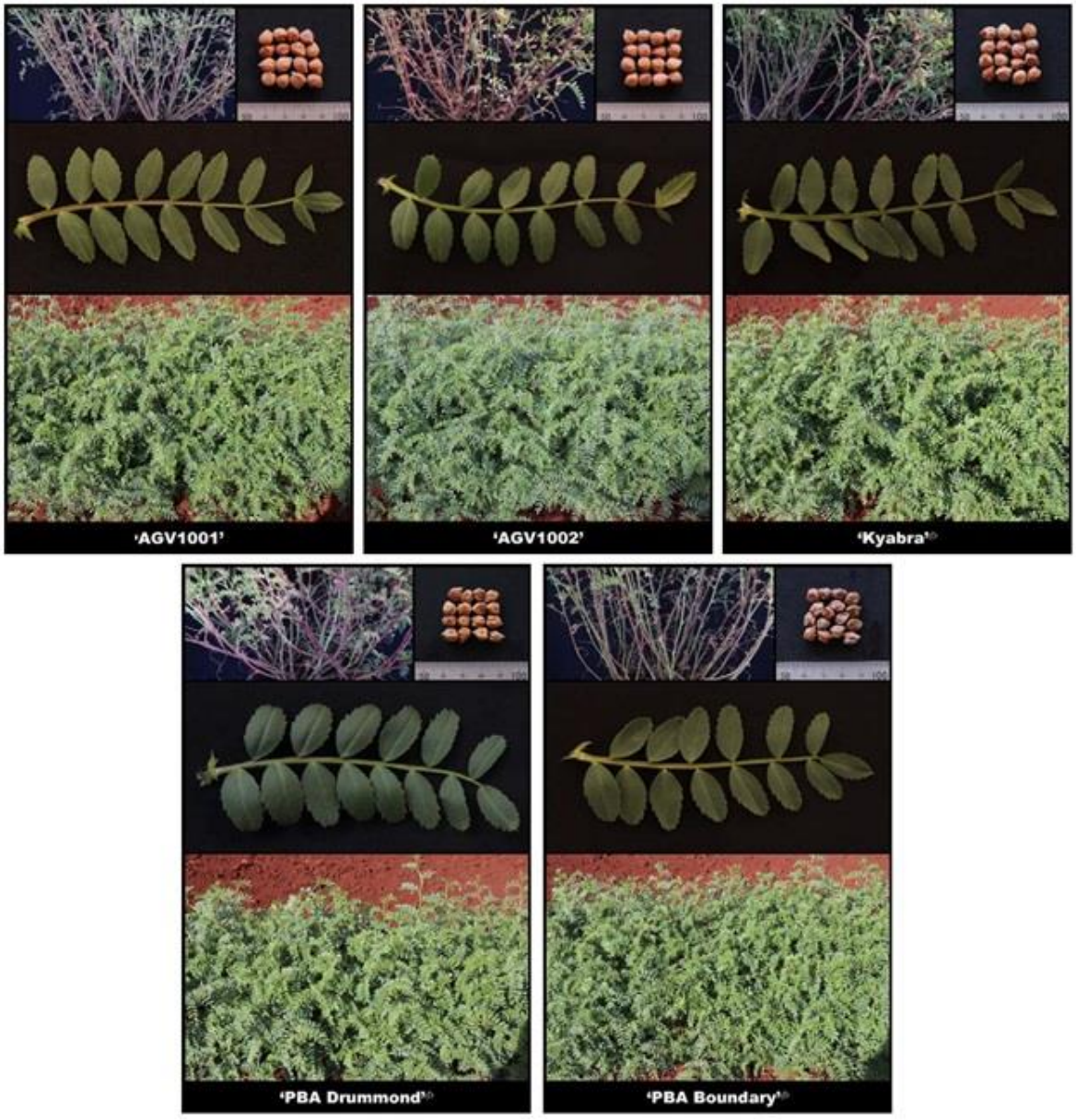
Std. Deviation	5.47	5.97	5.42	4.46	4.77
Lsd/sig	4.42	P≤0.01	P≤0.01	ns	ns
☒ Leaf: number of leaflets					
Mean	15.73	14.77	13.97	15.57	15.53
Std. Deviation	0.58	0.94	0.72	0.77	0.86
Lsd/sig	0.60	P≤0.01	P≤0.01	ns	ns
☐ Leaf: midzone leaflet length (mm)					
Mean	17.52	16.80	16.47	17.13	17.02
Std. Deviation	1.21	1.28	1.44	1.07	1.30
Lsd/sig	1.11	ns	ns	ns	ns
☒ Leaf: midzone leaflet width (mm)					
Mean	7.42	7.71	8.68	7.24	7.25
Std. Deviation	0.44	1.09	0.95	0.57	0.54
Lsd/sig	0.60	ns	P≤0.01	ns	ns
☒ Leaf: midzone leaflet length:width ratio					
Mean	2.36	2.20	1.91	2.37	2.35
Std. Deviation	0.13	0.22	0.16	0.12	0.17
Lsd/sig	0.14	P≤0.01	P≤0.01	ns	ns
☒ Inflorescence: length of basal peduncle segment (mm)					
Mean	14.20	15.94	19.40	16.54	14.97
Std. Deviation	1.43	2.39	1.84	1.61	1.52
Lsd/sig	1.78	ns	P≤0.01	P≤0.01	ns
☐ Inflorescence: length of top peduncle segment (mm)					
Mean	12.98	12.15	12.18	12.43	13.08
Std. Deviation	0.70	1.08	1.31	0.59	0.84
Lsd/sig	0.95	ns	ns	ns	ns
☒ Inflorescence: overall length of peduncle (mm)					
Mean	27.18	28.09	31.58	28.97	28.04
Std. Deviation	1.87	2.78	2.08	1.75	1.92

Lsd/sig	2.30	ns	P≤0.01	ns	ns
☒ Inflorescence: percentage of peduncle in basal segment (%)					
Mean	52.16	56.55	61.42	57.00	53.29
Std. Deviation	2.18	3.76	3.93	2.57	2.63
Lsd/sig	2.69	P≤0.01	P≤0.01	P≤0.01	ns
☒ Pod: length (mm)					
Mean	24.34	22.76	24.07	23.92	23.76
Std. Deviation	0.77	1.27	0.87	1.26	1.50
Lsd/sig	1.03	P≤0.01	ns	ns	ns
☒ Pod: width (mm)					
Mean	10.89	10.03	10.97	10.48	10.66
Std. Deviation	0.39	0.66	0.38	0.47	0.52
Lsd/sig	0.52	P≤0.01	ns	ns	ns
☒ Pod: depth (mm)					
Mean	11.41	10.46	10.85	11.20	11.27
Std. Deviation	0.34	0.58	0.40	0.61	0.53
Lsd/sig	0.52	P≤0.01	P≤0.01	ns	ns
☒ Pod: width:depth ratio					
Mean	0.96	0.96	1.01	0.94	0.95
Std. Deviation	0.03	0.04	0.04	0.04	0.04
Lsd/sig	0.03	ns	P≤0.01	ns	ns
☐ Pod: beak length (mm)					
Mean	1.16	1.10	1.63	1.36	1.33
Std. Deviation	0.39	0.30	1.30	0.37	0.46
Lsd/sig	0.58	ns	ns	ns	ns
☐ Pod: number of seeds per pod					
Mean	1.68	1.82	1.80	1.69	1.71
Std. Deviation	0.12	0.10	0.19	0.08	0.12
Lsd/sig	0.17	ns	ns	ns	ns

☒ Seed: 100-seed weight (g)					
Mean	27.57	20.81	21.14	27.63	25.16
Std. Deviation	0.30	0.62	0.79	0.33	1.06
Lsd/sig	0.97	P≤0.01	P≤0.01	ns	P≤0.01

Prior Applications and Sales: **Nil**

Description: D.S. Loch, Alexandra Hills, QLD.



Chickpea (Cicer arietinum) – Clockwise from top left, 'AGV1001' with comparators 'AGV1002', 'Kyabra'[A], 'PBA Boundary'[A] and 'PBA Drummond'[A] showing flowering swards (9 Sep 2022), leaves, anthocyanin development on stems, and seeds.

Details of Application

Application Number	2018/261
Variety Name	'AGV1002'
Genus Species	*Cicer arietinum*
Common Name	Chickpea
Accepted Date	08 Apr 2019
Applicant	AgriVentis Technologies Pty Ltd, North Sydney, NSW 2060
Agent	IP Solved (ANZ) Pty Ltd, Royal Exchange, NSW 1225 Australia
Qualified Person	Dr Donald S. Loch

Details of Comparative Trial

Location	Cleveland, QLD (Latitude 27°31'S, longitude 153°15'E, elevation 26 masl)
Descriptor	TG/143/5 Chickpea (NEW) (Cicer arietinum)
Period	20 May 2022 – 29 Nov 2022
Conditions	Experiment situated on a red volcanic (krasnozem or ferrosol) soil; seed sown into dry soil on 20 May 2022 prior to germinating rain on 21 May 2022; weed control by pre-emergence S-metolachlor (Dual Gold®) post-planting on 20 May 2022; 313 kg/ha of blended fertiliser (N:P:K:S = 12.8:14.2:11.9:6.4) applied after planting on 20 May 2022 to give 40 kg N, 44 kg P, 37 kg K, and 20 kg S per hectare; chickpea inoculant (Group N - CC1192) and thiram (Thiram WP Fungicide) applied as a slurry post-planting on 20 May 2022 followed by azoxystrobin (Amistar® 250 SC) as a soil drench on 27 May 2022. Applied aluminium ammonium sulphate (SCAT® Bird & Animal Repellent) on 29 Jun, 7 Jul, 19 Jul, 25 Jul 2022 to deter ducks from damaging the young vegetative plants. Sprayed with chlorantraniprole (Coragen®) on 30 Sep 2022 to protect flowers and pods. Supplementary irrigation applied as required to maintain unstressed growth.
Trial Design	Mini-sward rows of 5 cultivars ('AGV1002', 'AGV1001', 'PBA Drummond', 'PBA Boundary', 'Kyabra') plus second-generation plots of 2 cultivars ('AGV1001', 'AGV1002') were arranged in 5 randomised blocks; ±20 plants per 1.5 m mini-sward plot seeded at c. 7.5 cm spacing along a single 70 m row; 0.5 m between mini-sward plots.
Measurements	Days to flowering determined progressively for each plot (2-10 Aug 2022). Measurements (six per plot) made of petiole and midrib lengths, leaflet number, and midzone leaflet length and width on

	fully expanded pinnate leaves from the fifth node below the stem tip (17-19 Aug 2022). Two-segmented peduncles on well-developed immature pods (12 per plot) measured (23-28 Sep 2022). Mature canopy height (11 Nov 2022) and numbers of primary basal branches (21 Nov 2022) determined (two measurements per plot). Samples of ripe pods taken (17-29 Nov 2022) for measurements of beak length and pod length, width and depth on 12 well-developed pods per plot and seed counts per pod made from 50 pods per plot. Seed size determined from samples of 100 or more seeds per plot after sun drying. Analyses of variance (ANOVAs) conducted with GenStat Release 12.
RHS Chart - edition	2015 (6th edition)

Origin and Breeding

Controlled pollination and seedling selection: 'AGV1001' resulted from controlled pollination beginning in 2009 to develop breeder's Line A (Fox x Back Verandah genotypes [Australian]) and separately breeder's Line B (Hammersmith [Australian genotype] x Bangladesh strain). In 2011, the resultant Line A (an early, standard phenotype) was cross pollinated with the resultant Line B (a phenotype with a wide branch structure) by means of assisted open pollination (shaking paired lines in shared confined space). Progeny from this cross were then grown on (2011-2013), culling with preference for wide, well-formed plants of average height. In 2013, F6 populations were found to be uniform and stable, leading to the final selection of 'AGV1001'. Seed increase and testing for production traits continued through to 2017: The morphological appearance of 'AGV1001' was confirmed at two sites with consistent results. Breeder: Paul Stewart, Chatswood, 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	type	desi
Seed	weight	high
Seed	colour	light - medium shades of brown

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'PBA Drummond'	PBR Application No. 2017/300; high yielding desi chickpea widely grown in Central Queensland
'PBA Boundary'	PBR Application No. 2011/201; desi chickpea broadly adapted to northern NSW & southern Queensland

'Kyabra'	PBR Application No. 2004/339
'AGV1001'	PBR Application No. 2018/260

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
'Nafice'	Plant	type	desi	kabuli	PBR Application No. 2005/083
'Almaz'	Plant	type	desi	kabuli	PBR Application No. 2005/084
'PBA Monarch'	Plant	type	desi	kabuli	PBR Application No. 2013/137
'Neelam'	Seed	weight	large	low	PBR Application No. 2012/213
'PBA HatTrick'	Seed	weight	large	low	PBR Application No. 2009/185
'PBA HatTrick'	Seed	colour	light to medium reddish brown	medium to dark brown	
'PBA Pistol'	Seed	weight	large	low to medium	PBR Application No. 2009/301
'PBA Seamer'	Seed	weight	large	low	PBR Application No. 2016/197
'PBA Slasher'	Seed	weight	large	very low to low	PBR Application No. 2009/186
'PBA Striker'	Seed	colour	light to medium reddish brown	light to medium yellowish brown	PBR Application No. 2012/164
'PBA Maiden'	Seed	colour	light to medium reddish brown	light to medium yellowish brown	PBR Application No. 2012/165
'Moti'	Seed	weight	large	low	PBR Application No. 2003/114
'Ambar'	Seed	weight	large	very low	PBR Application No. 2012/044
'Ambar'	Seed	colour	light to medium reddish brown	medium to dark reddish brown	

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

Organ/Plant Part: Context	'AGV1002'	'AGV1001'	'Kyabra'	'PBA Boundary'	'PBA Drummond'
☐ Plant: growth habit	erect to semi-erect	erect to semi-erect	erect to semi-erect	erect to semi-erect	erect to semi-erect
☐ Plant: ramification	medium to strong	medium to strong	medium	medium	medium
☒ Plant: height	tall	tall	medium to tall	medium to tall	short to medium
☐ Stem: anthocyanin colouration	present	present	present	present	present
☐ Foliage: intensity of green colour	medium	medium	medium	medium	medium
☒ Leaflet: size	medium	medium	medium	medium	large
☐ Leaf: type	pinnate	pinnate	pinnate	pinnate	pinnate
☐ Plant: time of flowering	medium	medium	medium	medium	medium
☐ Flower: colour	purplish pink	purplish pink	purplish pink	purplish pink	purplish pink
☒ Pod: peduncle length	medium	short	medium	medium	long
☐ Pod: size	medium	medium	medium	small to medium	medium
☐ Pod: intensity of green colour	medium	medium	medium	medium	medium
☐ Pod: length of beak	short	short	short	short	short
☐ Pod: number of seeds	predominantly two	predominantly two	predominantly two	predominantly two	predominantly two

☐ Seed: colour	greyed brown	brown	brown	brown	brown
☐ Seed: intensity of colour	light	light	light	light	light
☒ Seed: weight	high	high	medium	low	low
☒ Seed: shape	round to angular	round to angular	round to angular	angular	angular
☒ Seed: ribbing	weak	weak	medium	strong	medium
☐ Plant: time of seed maturity	medium	medium	medium	medium	medium to late
☐ seed: type (additional characteristics)	desi	desi	desi	desi	desi

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'AGV1002	'AGV1001'	'Kyabra'	'PBA Boundary'	'PBA Drummond'
☐ Leaflet: colour of upper side (RHS)	137B	137B	137B	137B	137B
☐ immature pod: colour (RHS)	143B-C	143B-C	143B-C	143B-C	143B-C
☐ mature pod: colour (RHS)	162D	162D	162C-D	162C	162C
☐ seed: colour (RHS)	174B-C	166B(-164B)	165B	165(A-)B	165B
☒ stem: degree of anthocyanin coloration	strong	slight	medium	medium	strong

Statistical Table

Organ/Plant Part: Context	'AGV1002	'AGV1001'	'Kyabra'	'PBA Boundary'	'PBA Drummond'
☐ Plant: days from sowing to flowering (days)					
Mean	79.80	80.20	80.60	78.20	77.60
Std. Deviation	2.59	1.79	2.07	2.59	3.29
Lsd/sig	4.40	ns	ns	ns	ns
☒ Plant: mature height (cm)					
Mean	79.40	77.30	72.00	69.50	58.30
Std. Deviation	2.16	3.56	4.37	5.49	9.54
Lsd/sig	9.44	ns	ns	P≤0.01	P≤0.01
☐ Plant: number of basal branches					
Mean	7.30	8.00	6.30	6.80	6.30
Std. Deviation	0.57	1.77	1.15	1.26	0.57
Lsd/sig	2.45	ns	ns	ns	ns
☐ Leaf: petiole length (mm)					
Mean	6.67	6.92	7.60	5.87	6.80
Std. Deviation	1.09	1.47	2.14	1.49	2.07
Lsd/sig	1.46	ns	ns	ns	ns
☒ Leaf: length of midrib (mm)					
Mean	72.88	74.65	73.43	67.43	63.90

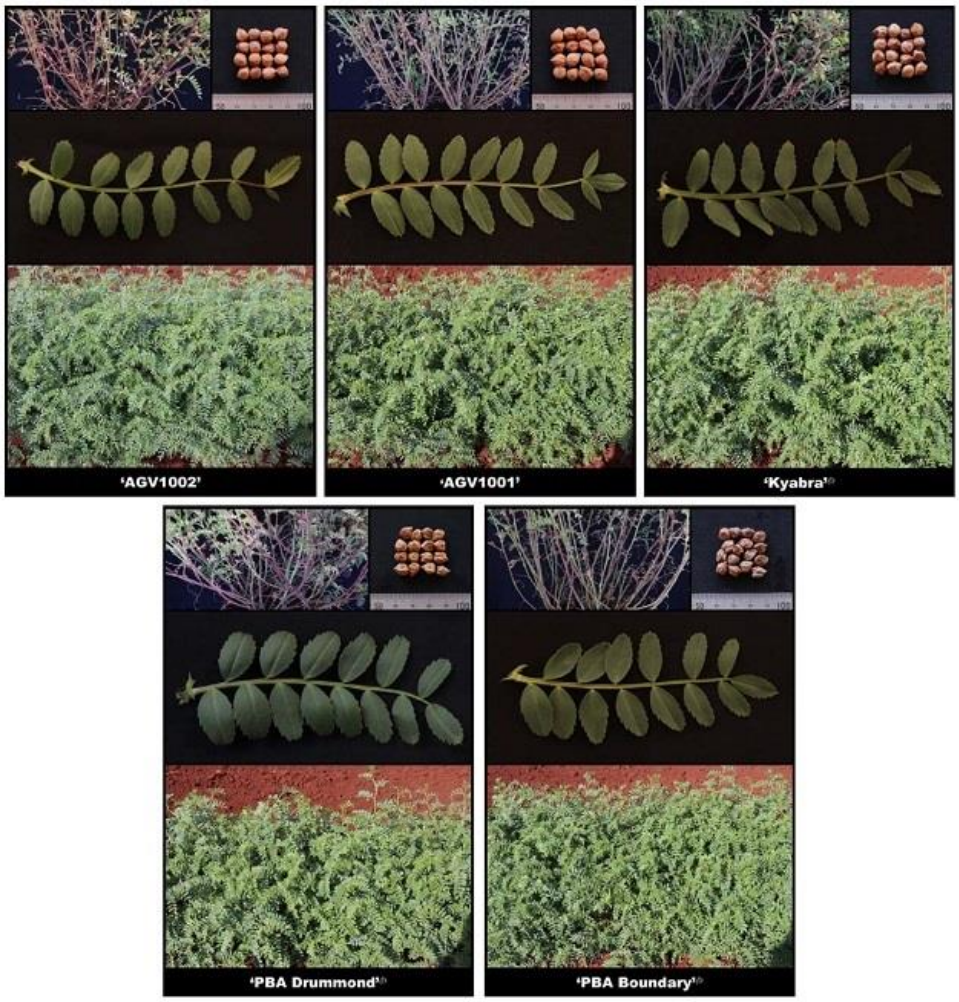
Std. Deviation	4.46	5.47	4.77	5.97	5.42
Lsd/sig	4.42	ns	ns	P≤0.01	P≤0.01
☒ Leaf: number of leaflets					
Mean	15.57	15.73	15.53	14.77	13.97
Std. Deviation	0.77	0.58	0.86	0.94	0.72
Lsd/sig	0.60	ns	ns	P≤0.01	P≤0.01
☐ Leaf: midzone leaflet length (mm)					
Mean	17.13	17.52	17.02	16.80	16.47
Std. Deviation	1.07	1.21	1.30	1.28	1.44
Lsd/sig	1.11	ns	ns	ns	ns
☒ Leaf: midzone leaflet width (mm)					
Mean	7.24	7.42	7.25	7.71	8.68
Std. Deviation	0.57	0.44	0.54	1.09	0.95
Lsd/sig	0.60	ns	ns	ns	P≤0.01
☒ Leaf: midzone leaflet length:width ratio					
Mean	2.37	2.36	2.35	2.20	1.91
Std. Deviation	0.12	0.13	0.17	0.22	0.16
Lsd/sig	0.14	ns	ns	P≤0.01	P≤0.01
☒ Inflorescence: length of basal peduncle segment (mm)					
Mean	16.54	14.20	14.97	15.94	19.40
Std. Deviation	1.61	1.43	1.52	2.39	1.84
Lsd/sig	1.78	P≤0.01	ns	ns	P≤0.01
☐ Inflorescence: length of top peduncle segment (mm)					
Mean	12.43	12.98	13.08	12.15	12.18
Std. Deviation	0.59	0.70	0.84	1.08	1.31
Lsd/sig	0.95	ns	ns	ns	ns
☒ Inflorescence: overall length of peduncle (mm)					
Mean	28.97	27.18	28.04	28.09	31.58
Std. Deviation	1.75	1.87	1.92	2.78	2.08

Lsd/sig	2.30	ns	ns	ns	P≤0.01
☒ Inflorescence: percentage of peduncle in basal segment (%)					
Mean	57.00	52.16	53.29	56.55	61.42
Std. Deviation	2.57	2.18	2.63	3.76	3.93
Lsd/sig	2.69	P≤0.01	P≤0.01	ns	P≤0.01
☒ Pod: length (mm)					
Mean	23.92	24.34	23.76	22.76	24.07
Std. Deviation	1.26	0.77	1.50	1.27	0.87
Lsd/sig	1.03	ns	ns	P≤0.01	ns
☐ Pod: width (mm)					
Mean	10.48	10.89	10.66	10.03	10.97
Std. Deviation	0.47	0.39	0.52	0.66	0.38
Lsd/sig	0.52	ns	ns	ns	ns
☒ Pod: depth (mm)					
Mean	11.20	11.41	11.27	10.46	10.85
Std. Deviation	0.61	0.34	0.53	0.58	0.40
Lsd/sig	0.52	ns	ns	P≤0.01	ns
☒ Pod: width:depth ratio					
Mean	0.94	0.96	0.95	0.96	1.01
Std. Deviation	0.04	0.03	0.04	0.04	0.04
Lsd/sig	0.03	ns	ns	ns	P≤0.01
☐ Pod: beak length (mm)					
Mean	1.36	1.16	1.33	1.10	1.63
Std. Deviation	0.37	0.39	0.46	0.30	1.30
Lsd/sig	0.58	ns	ns	ns	ns
☐ Pod: number of seeds per pod					
Mean	1.69	1.68	1.71	1.82	1.80
Std. Deviation	0.08	0.12	0.12	0.10	0.19
Lsd/sig	0.17	ns	ns	ns	ns

☒Seed: 100-seed weight (g)					
Mean	27.63	27.57	25.16	20.81	21.14
Std. Deviation	0.33	0.30	1.06	0.62	0.79
Lsd/sig	0.97	ns	P≤0.01	P≤0.01	P≤0.01

Prior Applications and Sales: Nil

Description: D.S. Loch, Alexandra Hills, QLD.



Chickpea (*Cicer arietinum*) – Clockwise from top left, 'AGV1002' with comparators 'AGV1001', 'Kyabra', 'PBA Boundary' and 'PBA Drummond' showing flowering swards (9 Sep 2022), leaves, anthocyanin development on stems, and seeds.

Details of Application

Application Number	2018/322
Variety Name	'Flavor Journey'
Genus Species	*Cucumis melo*
Common Name	Melon
Accepted Date	17 Dec 2018
Applicant	Seminis Vegetable Seeds, Inc., St. Louis, Missouri, USA
Agent	Monsanto Australia Limited, Melbourne, Vic 3004
Qualified Person	David Campbell

Details of Comparative Trial

Location	Clare. QLD
Descriptor	TG/104/5
Period	June-September 2019
Conditions	This trial was planted under a standard open field honey dew program: • Regular fertigation through drip irrigation • Standard insecticide and fungicide program applied • 15 rows/bed • 1.8m between rows • Plants spaced 50cm apart within the row • Rows covered in black plastic mulch and irrigated with trickle tape irrigation
Trial Design	Randomised complete block design. 3 replicates of each variety (candidate and comparator). 20 plants of each variety were planted/replicate. Total number of plants/variety = 60 plants.
Measurements	All measurements in accordance with technical guidelines
RHS Chart - edition	2018 RHS colour chart

Origin and Breeding

Controlled pollination: A cross was made between the two parents and F2 plants showing desired characteristics were self-pollinated to produce the F3 generation. Desired characteristics included stability, shape, Nasonovia resistance, Bremia resistance and plant architecture. Selection continued to the F5 generation which was then promoted to Trial 1. Development of parent lines through crosses followed by pedigree selections and final single cross of the 2 parents to generate F1 Hybrid. Two homozygous breeding lines were developed by selfing. Hybridisation of the two homozygous breeding lines was performed. Selection was performed based on the sugar content of the fruit and the colour of its and flesh. Selection was

also applied. Breeder: Jeffrey Mills, Seminis Vegetable Seeds, Inc. Woodland, 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
Flesh	Colour	Green
Skin	Colour	White

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Classique'	

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

Organ/Plant Part: Context	'Flavor Journey'	'Classique'
☐ Seedling: length of hypocotyl	medium	medium
☐ Seedling: size of cotyledon	medium	medium
☐ Seedling: intensity of green colour of cotyledon	medium	medium
☐ Leaf blade: size	medium to large	medium to large
☐ Leaf blade: intensity of green colour	medium to dark	medium to dark
☒ Leaf blade: development of lobes	strong	medium
☒ Leaf blade: length of terminal lobe	long	short to medium
☐ Leaf blade: dentation of margin	medium	weak to medium
☐ Leaf blade: blistering	medium	weak to medium
☐ Petiole: attitude	erect	erect
☐ Petiole: length	medium to long	short to medium
☐ *Inflorescence: sex expression	monoecious	monoecious
☐ Young fruit: hue of green colour of skin	green	green

☐ *Young fruit: intensity of green colour of skin	medium	light to medium
☐ Young fruit: density of dots	absent or very sparse	absent or very sparse
☐ Young fruit: length of peduncle	medium	short
☐ Young fruit: thickness of peduncle 1 cm from fruit	medium	medium
☐ Young fruit: extension of darker area around peduncle	very small to small	very small to small
☐ Fruit: change of skin colour from young fruit to maturity	very late in fruit development or no change	late in fruit development
☐ *Fruit: position of maximum diameter	at middle	at middle
☒ *Fruit: shape in longitudinal section	broad elliptic	circular
☐ *Fruit: ground colour of skin	yellow	yellow
☐ Fruit: intensity of ground colour of skin	medium	medium
☐ Fruit: hue of ground colour of skin	yellowish	yellowish
☐ Fruit: density of dots	absent or very sparse	absent or very sparse
☐ *Fruit: density of patches	absent or very sparse	absent or very sparse
☐ *Fruit: strength of attachment of peduncle at maturity	strong to very strong	strong to very strong
☐ *Fruit: shape of base	truncate	truncate
☐ *Fruit: shape of apex	rounded	rounded
☐ *Fruit: size of pistil scar	medium to large	medium
☐ *Fruit: grooves	absent or very weakly expressed	absent or very weakly expressed
☐ *Fruit: creasing of surface	weak to medium	weak
☐ *Fruit: cork formation	absent	absent
☐ Fruit: rate of change of skin colour from maturity to over maturity	absent or very slow	absent or very slow
☐ Fruit: width of flesh in longitudinal section	medium to thick	medium to thick

☐ *Fruit: main color of flesh	green	green
☐ Fruit: secondary salmon colouring of flesh (varieties with main color of flesh: white; greenish white; green; yellowish white only)	absent or very weak	absent or very weak
☐ Fruit: firmness of flesh	firm	medium
☐ *Seed: length	long	long
☐ Seed: width	medium	medium
☒ Seed: shape	pine-nut shape	not pine-nut shape
☐ *Seed: colour	cream yellow	cream yellow
☐ Seed: intensity of colour (varieties with cream yellow seed color only)	medium to dark	medium
☐ Time of: male flowering	early to medium	early to medium
☐ Time of: female flowering	medium	medium
☐ Time of: ripening	medium to late	medium to late
☐ *Shelf life of: fruit	long	medium
☒ Resistance to: Fusarium oxysporum f. sp. melonis Race 0	absent	present
☐ Resistance to: Fusarium oxysporum f. sp. melonis Race 1	absent	absent
☐ Resistance to: Fusarium oxysporum f. sp. melonis Race 2	absent	present
☐ Resistance to: Fusarium oxysporum f. sp. melonis Race 1-2	absent	absent
☐ Resistance to: Sphaerotheca fuliginea (Podosphaera xanthii) (Powdery mildew) Race 1	susceptible	moderately resistant
☐ Resistance to: Sphaerotheca fuliginea (Podosphaera xanthii) (Powdery mildew) Race 2	susceptible	susceptible
☐ Resistance to: Sphaerotheca fuliginea (Podosphaera xanthii) (Powdery mildew) Race 5	moderately resistant	susceptible
☐ Resistance to: Erysiphe cichoracearum (Golovinomyces cichoracearum) Race 1 (Powdery mildew)	susceptible	susceptible
☐ Resistance to: colonization by Aphis gossypii	absent	present

☐ Resistance to: Zucchini Yellow Mosaic Virus (ZYMV) Race F	absent	absent
☐ Resistance to: Papaya Ring Spot Virus (PRSV) Race GVA	absent	absent
☐ Resistance to: Papaya Ring Spot Virus (PRSV) Race E2	absent	absent
☐ Resistance to: Muskmelon Necrotic Spot Virus (MNSV) Race E8	absent	absent
☐ Resistance to: Cucumber Mosaic Virus (CMV)	absent	absent

Prior Applications and Sales:

No prior application.

First sold in USA as 'FLAVOR JOURNEY' on 25th Jan 2018 and in Australia 'FLAVOR JOURNEY' on 28th March 2018

Description: David Campbell, Bargara, QLD

Melon (*Cucumis melo*) variety 'Flavor Journey' with comparator 'Classique'

Details of Application

Application Number	2019/028
Variety Name	'MB01'
Genus Species	*Metrosideros collina*
Accepted Date	09 Apr 2019
Applicant	Vic John Ciccolella, Oakville, NSW 2765
Agent	Ozbreed Pty Ltd, Clarendon, NSW 2756
Qualified Person	John Oates

Details of Comparative Trial

Location	Clarendon NSW
Descriptor	TG/211/1(Tea Tree, *Leptospermum*)
Period	June 2021 - May 2023
Conditions	Plants grown in premium potting mix in 50cm black plastic pots, no overhead shading. Overhead irrigation as required.
Trial Design	Random block
Measurements	As per UPOV Technical requirements.
RHS Chart - edition	N/A

Origin and Breeding

Mutation Selection: In a commercial nursery an off-type stem mutation(sport) was observed in October 2014; the new characteristic was a blue-grey stem colour in contrast to the green stem colour of the main plant. Cuttings were taken and the resultant plants were observed for the selected character and for any other variations; all plants were stable for blue stem colour and nil variations. The selection has been named 'MB01' and has been stable through at least 5 generations of vegetative propagation. Breeder: Vic John Ciccolella, Oakville, NSW 2765, 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	growth habit	bushy

Leaf blade	attitude in relation to stem	oblique
Leaf blade	variegation	absent

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Thomasii'	*Metrosideros collina*

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
'Springfire'	young shoot: colour	yellow green	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	'MB01'	'Thomasii'
☐ Plant: growth habit	bushy	bushy
☒ Plant: height	tall	short
☐ Plant: attitude of branches	semi-erect	semi-erect
☐ Plant: curvature of branches at distal end	straight	straight
☒ Plant: width	medium to broad	narrow
☐ Young shoot: main colour	yellow green	yellow green
☐ Young shoot: hairiness	medium	medium
☐ *Young leaf: main colour	yellow green	yellow green
☐ Leaf blade: attitude in relation to stem	oblique	oblique
☐ *Leaf blade: length	medium	medium
☐ *Leaf blade: width	medium	medium

☐ Leaf blade: shape	elliptic	elliptic
☐ Leaf blade: profile in cross section	recurved	recurved
☐ Leaf blade: shape of apex	acute	acute
☐ *Leaf blade: variegation	absent	absent
☒ Leaf blade: main colour of upper side	yellow green	medium green
☐ Leaf blade: glossiness of upper side	medium	weak to medium
☒ Leaf blade: hairiness on lower side	absent or weak	strong
☐ Flower bud: hairiness	medium	medium

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	**'MB01'**	**'Thomasii'**
☒ Stem: internodal length	long	short
☒ Flower bud: predominant colour	green medium	green light

Prior Applications and Sales: Nil

Description: **John Oates,** Merimbula, NSW 2548

Metrosideros collina variety 'MBO1' and its comparator 'Thomasii' showing differences in leaf colour

Details of Application

Application Number	2019/108
Variety Name	'RockStar'
Genus Species	*Triticum aestivum*
Common Name	Wheat
Synonym	'IGW4341'
Accepted Date	07 Aug 2019
Applicant	InterGrain Pty Ltd, Bibra Lake, WA
Qualified Person	David Watson

Details of Comparative Trial

Location	Horsham
Descriptor	Wheat (*Tritcum Aestivum*) TG/3/12
Period	June 2019 to December 2019
Conditions	Trial was sown in Winter into good moisture. Conditions were average during winter with a dry Spring finish.
Trial Design	Randomised block design with 2 replicates. Plots 1.25m wide and 4m 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: the seed parent of unreleased line IGW3119 was emasculated and pollinated with pollen from Mace, the F1 (08W016A) was then top crossed to unreleased line IGW3176. The variety was selfed from F2 onwards and reselections were made in the F5 generation. These reselections were tested as fixed lines for 6 generations across 6 seasons. Agronomic, disease and quality testing were conducted during these seasons. Selection criteria: yield, disease, agronomic and grain quality suited to the high, medium and low rainfall areas of Western, Southern and Eastern Australia. Propagation: seed through six generations (selection) and six years performance testing as a fixed line by InterGrain. Breeder: InterGrain Pty Ltd, Bibra Lake, 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
Plant	growth habit	erect to semi erect
Ear	awns	present
Ear	colour	white
Season	type	spring

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Magenta'	
'Mace'	
'Devil'	
'Scepter'	

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
'Vixen'	maturity	late	early	

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

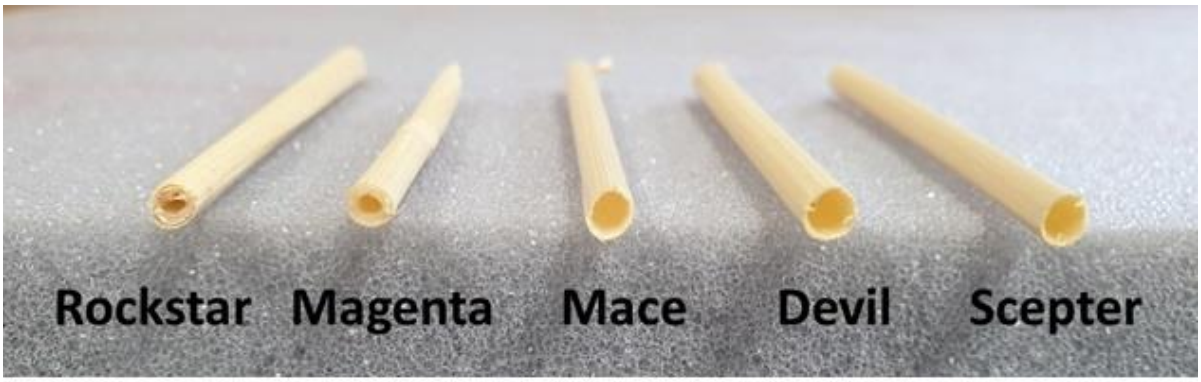
Organ/Plant Part: Context	'RockStar'	'Devil'	'Mace'	'Magenta'	'Scepter'
☐ Seed: colour	white	white	white	white	white
☐ *Plant: growth habit	erect to semi erect	erect to semi erect	erect to semi erect	erect to semi erect	erect to semi erect
☒ Flag leaf: anthocyanin colouration of auricles	absent or weak	absent or weak	absent or weak	strong	absent or weak
☒ *Time of: ear emergence	late	early to medium	early to medium	medium to late	medium
☒ *Flag leaf: glaucosity of sheath	medium	medium	medium	strong to very strong	medium

☒ *Ear: glaucosity	strong	medium	medium	weak to medium	weak to medium
☐ Culm: glaucosity of neck	medium	medium to strong	medium	medium to strong	medium
☐ *Plant: length	medium	medium	medium	medium	medium
☒ *Straw: pith in cross section	thick or filled	thin	thin	thick or filled	thin
☐ *Ear: density	lax	lax	lax	lax	lax
☐ Ear: length	medium	medium to long	medium	medium	medium
☐ *Ear: scurs or awns	awns present	awns present	awns present	awns present	awns present
☐ *Ear: length of scurs or awns	medium	medium	medium	long	medium
☐ *Ear: colour	white	white	white	white	white
☒ Ear: shape in profile	tapering	tapering	parallel sided	tapering	tapering
☐ Apical rachis segment: area of hairiness on convex surface	small	small	medium	small	small
☐ Lower glume: shoulder width	medium	medium	medium	medium	medium
☒ Lower glume: shoulder shape	horizontal to slightly sloping	elevated	horizontal	horizontal to slightly elevated	elevated
☒ Lower glume: length of beak	short to medium	medium	medium	long to very long	medium
☒ *Lower glume: shape of beak	moderately curved	slightly curved	straight to slightly curved	straight to slightly curved	straight to slightly curved
☐ Lower glume: area of hairiness on internal surface	small	small	small	small	small
☐ *Seasonal : type	spring type	spring type	spring type	spring type	spring type

Prior Applications and Sales:

Nil

Description: David Watson, InterGrain Pty Ltd, Horsham, VIC.



Wheat (*Triticum aestivum*) variety 'RockStar' with comparators 'Magenta', 'Mace', 'Devil' and 'Scepter' showing differences in straw pith thickness in cross section.

Details of Application

Application Number	2019/213
Variety Name	'Maximus'
Genus Species	*Hordeum vulgare*
Common Name	Barley
Synonym	'IGB1705T'
Accepted Date	08-Nov-2019
Applicant	InterGrain Pty Ltd, Bibra Lake, WA
Qualified Person	David Watson

Details of Comparative Trial

Location	Horsham
Descriptor	Barley (*Hordeum vulgare*) TG/19/11
Period	June 2019 to December 2019
Conditions	Trial was sown in Winter into good moisture. Conditions were average during Winter with a wettish Spring and soft late finish.
Trial Design	Randomised 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: The initial cross to generate an F1 hybrid was made in the InterGrain glasshouses at Bibra Lake in August 2010 with the imidazolinone tolerant variety Scope being used as the male parent. In August 2011, the F1 hybrid was used as the maternal parent in a cross to La Trobe. The topcross F1 seed was grown and sprayed with imidazolinone herbicide to select F1 plants heterozygous for IMI tolerance. The F2 population was grown at Horsham during the winter of 2012 and sprayed with imidazolinone herbicide. Head snaps were taken from 90 single plant selections, threshed as a bulk and sown as single plants under irrigation at Horsham in the summer of 2012/13. 90 single plant selections were taken from the summer single plant population, and grown at the F4 generation in double row trials at Freeling, SA in 2013. 11M049HT-082 was selected based on agronomic appearance and resistance to SFNB. In 2014, F5 generation 11M049HT-082 was evaluated at 3 locations for yield as part of a larger, 7 location trial series. 12 reselections from 11M049HT-082 were evaluated in a 7 location, partially replicated trial series in 2015. 11M049HT-082-002 was selected on the basis of yield, disease resistance, agronomic characteristics, herbicide tolerance and physical and NIR predicted grain quality. Multilocation evaluation continued in 2016

and 11M049HT-082-002 was named IGB1705T for promotion into InterGrain Stage 3 trials in 2017. Micromalt quality assessment commenced using samples from 2015, 2016, 2017 and 2018 trials. In 2018 and 2019, IGB1705T has been evaluated in NVT trials. Breeder: David Moody, InterGrain Pty Ltd, Bibra Lake, 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
Ear	number of rows	two
Grain	type	husked
Season	type	spring type

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Spartacus'	
'Scope'	
'Latrobe'	

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

Organ/Plant Part: Context	'Maximus'	'Latrobe'	'Scope'	'Spartacus'
☐ Kernel: colour of aleurone layer	whitish	whitish	whitish	whitish
☒ Plant: growth habit	erect	erect	semi-erect to intermediate	erect
☐ Lowest leaves: hairiness of leaf sheath	absent	absent	absent	absent
☐ Flag leaf: anthocyanin coloration of auricles	absent or very weak	weak	weak	absent or very weak
☒ Ear: Time of emergence	early to medium	early	medium	early
☒ Flag leaf: glaucosity of sheath	medium to strong	medium	absent or very weak	medium to strong
☒ Awns: anthocyanin colouration of tips	medium	weak to medium	absent or very weak	absent or very weak

☐ Ear: attitude	erect to semi-erect	erect to semi-erect	horizontal to semi-drooping	erect to semi-erect
☒ Plant: length	short	short	medium to long	short
☐ Ear: number of rows	two	two	two	two
☐ Ear: development of sterile spikelets	full	full	full	full
☐ Sterile spikelet: attitude	parallel to divergent	parallel to divergent	divergent	parallel to divergent
☐ Ear: shape	slightly tapering	slightly tapering	strongly tapering	slightly tapering
☐ Ear: density	medium to dense	medium	sparse to medium	medium to dense
☐ Ear: length	short	short	medium to long	short
☒ Awn: length	short	short to medium	medium to long	medium
☐ Median spikelet: length of glume and its awn relative to grain	equal	equal	equal	equal
☒ Grain: rachilla hair type	long	short	long	short
☐ Grain: type	husked	husked	husked	husked
☐ Grain: hairiness of ventral furrow	absent	absent	absent	absent
☐ Lemma: shape of base	non-bevelled	non-bevelled	non-bevelled	non-bevelled
☐ Seasonal type:	spring type	spring type	spring type	spring type

Characteristics Additional to the Descriptor/TG

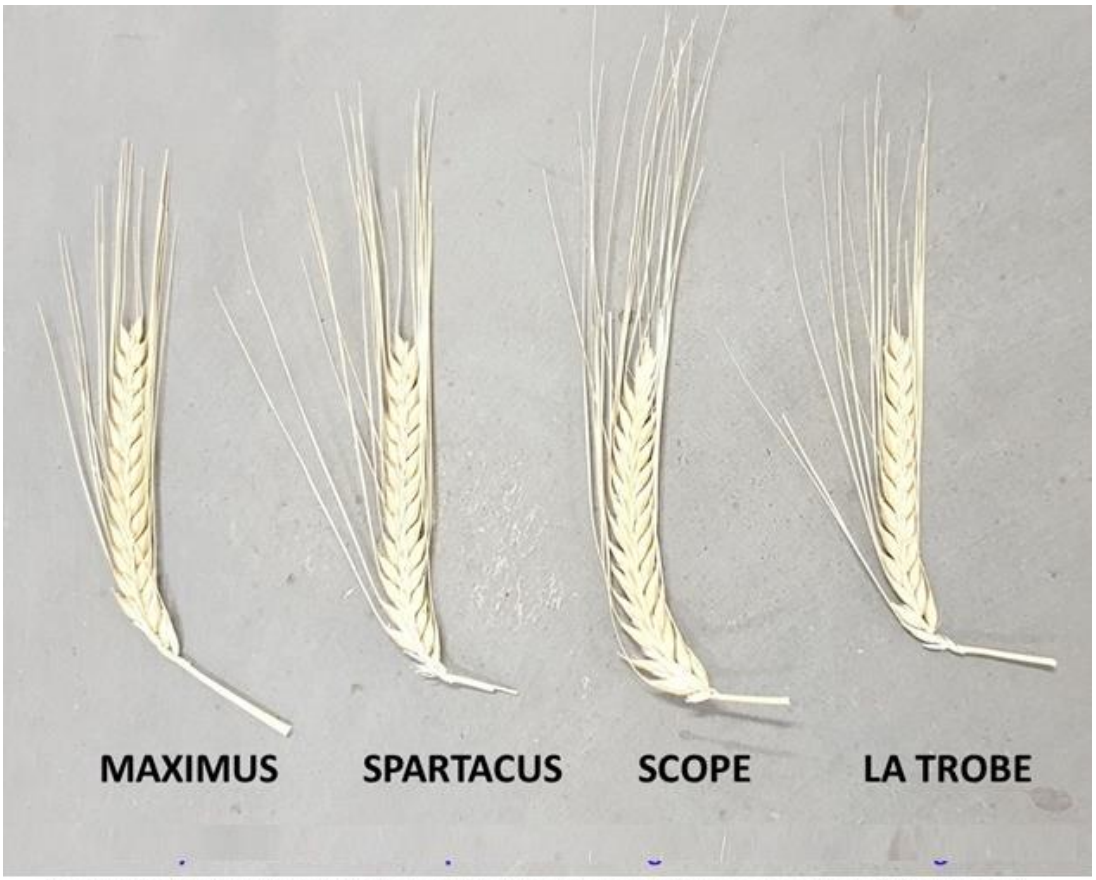
Organ/Plant Part: Context	'Maximus'	'Latrobe'	'Scope'	'Spartacus'
☒ Plant: resistance to Imidazolinone herbicides	tolerant	susceptible	tolerant	tolerant

Statistical Table

Organ/Plant Part: Context	'Maximus'	'Latrobe'	'Scope'	'Spartacus'

☒ Plant: length (cm)				
Mean	65.25	67.25	86.00	65.80
Std. Deviation	1.68	1.59	2.08	1.82
Lsd/sig	5.10	ns	P≤0.01	ns
☒ Awn: length (mm)				
Mean	47.40	55.55	83.35	59.65
Std. Deviation	2.35	2.44	4.07	2.37
Lsd/sig	7.05	P≤0.01	P≤0.01	ns

Prior Applications and Sales: Nill**Description: David Watson,** InterGrain Pty Ltd, Horsham, VIC



Barley (*Hordeum vulgare*) variety 'Maximus' with comparators 'Spartacus', 'Scope' and 'Latrobe'

Details of Application

Application Number	2019/222
Variety Name	'GIA Leader'
Genus Species	*Lens culinaris*
Common Name	Lentil
Synonym	'GIA Leader-I Leader'
Accepted Date	18 Nov 2019
Applicant	Materne Family Trust, Quantong, VIC
Qualified Person	Michael Materne

Details of Comparative Trial

Location	Blair Farms, Horsham, VIC
Descriptor	Lentil (*Lens culinaris*) TG/210/2
Period	July 2019 to Dec 2019
Conditions	The comparative trial for 'GIA Leader' was sown in Winter, on a Wimmera grey clay soil, in a temperate climatic region, under dryland conditions. Fertiliser was applied at sowing and weeds were controlled using herbicides and hand weeding.
Trial Design	Split plot design with 3 replications. Herbicides were allocated as main plots and varieties as plots. Plots were rows, 4m long and 1.75m wide plots with a row spacing of 25cm.
Measurements	Herbicide: Resistance to Imidazolinone herbicides
RHS Chart - edition	N/A

Origin and Breeding

Induced mutation: twenty kilograms of 'PBA Jumbo2' seed was treated with 0.1% Ethyl methanesulfonate under controlled conditions and washed with Sodium hypochlorite (NaOCl). M1 seed was sown at Blair Farms, Kalkee, Victoria, Australia, and harvested at maturity. 0.1 hectare of M2 seed was sown under irrigation at Blair Farms, Kalkee, Victoria, Australia, in 2015/16. Plants were treated with 24.75 g/ha of Imazamox and 11.25 g/ha Imazapyr prior to canopy closure. Plants that survived and remained green were transplanted into pots and grown to maturity in a controlled environment facility at Global Grain Genetics, Quantong, Victoria, Australia. M3 seed from each M2 plant was sown in 4m x 1.75m plots at Schilling Farms, Paskeville, South Australia, Australia, in June 2016. Plots were treated with 24.75 g/ha of Imazamox and 11.25 g/ha Imazapyr prior to canopy closure and machine harvested at maturity. 'GIA Leader' was evaluated in trials in 2018 and 2019 in Victoria, South Australia and Western Australia for resistance to Sulphonylurea and Imidazolinone

herbicides, disease resistance, agronomic and phenological characteristics, and grain yield and quality. Breeder: Materne Family Trust, Quantong, 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
Dry seed	width	medium to broad
Dry seed	main colour of testa	ochre
Time of	maturity	medium to late
Plant	Herbicide: Resistance to Imidazolinone herbicides	resistant

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'PBA Jumbo2'	Parental variety and thus most genetically similar to 'GIA Leader'.

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
'PBA Hallmark', 'PBA Highland', 'PBA Hurricane'	dry seed weight	medium to high	medium low to very low	
'PBA Ace', 'PBA Bolt'	plant resistance to imidazolinone herbicides	resistant	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	'GIA Leader'	'PBA Jumbo2'
☐ *Cotyledon: colour	orange	orange
☐ Plant: habit	semi-erect to horizontal	semi-erect
☐ *Plant: anthocyanin colouration	absent	absent

☐ *Plant: height	medium	medium
☐ Plant: intensity of ramification	medium	medium
☐ Leaf: shape	elliptic	ovate
☐ Leaf: intensity of green colour	medium to dark	medium
☐ Leaf: number of leaflets	medium	medium
☐ Leaflet: size	medium	medium
☐ Raceme: number of flowers per node	two to three	two to three
☐ Flower: size	medium	medium
☐ *Flower: colour of standard	blue	blue
☐ Pod: intensity of colour	medium	medium
☐ Pod: number of ovules	one to two	one to two
☐ *Pod: colour at dry harvest maturity	yellow	yellow
☐ *Pod: length at dry harvest maturity	medium	medium to long
☐ Pod: width	broad	broad
☐ Pod: shape of apex	truncate	truncate
☐ *Dry seed: width	medium to broad	broad
☐ *Dry seed: profile in longitudinal section	elliptic	elliptic
☐ *Dry seed: number of colours	one	one
☐ *Dry seed: main colour of testa	ochre	ochre
☐ *Dry seed: weight	medium to high	high
☐ *Time of: flowering	medium to late	medium
☐ Time of: maturity	medium to late	medium to late

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	**'GIA Leader'**	**'PBA Jumbo2'**

☒ Plant: herbicide: resistance to Imidazolinone herbicides	resistant	susceptible
☐ Plant: early vigour	moderate	moderate
☐ Plant: tolerance to vegetative frost	moderate to strong	moderate to strong
☐ Plant: lodging resistance maturity	moderate to strong	moderate

Prior Applications and Sales: Nill

Description: **Michael Materne,** Materne Family Trust, Quantong, VIC

Lentil - GIA Leader (left) displaying a resistant response to the Imidazolinone herbicide Intercept applied post emergence at 750 ml/hectare compared to a susceptible response in PBA Jumbo2 (right)

Lentil (*Lens culinaris*) variety 'GIA Leader' with comparator 'PBA Jumbo2'

Details of Application

Application Number	2019/223
Variety Name	'GIA KASTAR'
Genus Species	*Pisum sativum*
Common Name	Field Pea
Synonym	KASTAR-1
Accepted Date	18 Nov 2019
Applicant	Materne Family Trust, Quantong, VIC
Qualified Person	Michael Materne

Details of Comparative Trial

Location	Blair Farms, Horsham, VIC.
Descriptor	Pea (*Pisum sativum*) TG/7/10 Rev. 3
Period	July 2019 to Dec 2019
Conditions	The comparative trial for GIA Kastar was sown in Autumn, on a Wimmera grey clay soil, in a temperate climatic region, under dryland conditions. Fertiliser was applied at sowing and weeds were controlled using herbicides and hand weeding.
Trial Design	Split plot design with with 3 replications. Herbicides were allocated as main plots and varieties as plots.
Measurements	Herbicide: Resistance to Imidazolinone herbicides
RHS Chart - edition	N/A

Origin and Breeding

Induced mutation: twenty kilograms of PBA Wharton seed was treated with 0.1% Ethyl methanesulfonate under controlled conditions and washed with Sodium hypochlorite (NaOCl). M1 seed was sown at Blair Farms, Kalkee, Victoria, Australia, in June 2014 and harvested at maturity. 0.25 hectare of M2 seed was sown at Blair Farms, Kalkee, Victoria, Australia, in June 2015 and plants treated with 24.75 g/ha of Imazamox and 11.25 g/ha Imazapyr prior to canopy closure. Plants that remained green and continued to grow with a normal apical shoot, were transplanted into pots and grown to maturity in a controlled environment facility at Global Grain Genetics, Quantong, Victoria, Australia. M3 seeds from each M2 plant were sown in pots in a controlled environment facility at Global Grain Genetics, Quantong, Victoria, Australia, in December 2015. Seedlings were treated with 24.75 g/ha of Imazamox and 11.25 g/ha Imazapyr and plants that developed normally and set seed were harvested. M4 seed was sown in 4m x 1.75m plots at Schilling Farms, Paskeville, South Australia, Australia, in June 2016 and treated with 24.75 g/ha of Imazamox and 11.25 g/ha Imazapyr prior to canopy

closure. GIA1701P-I was selected for further evaluation based on resistance to Imidazolinone herbicides, vigour, phenological characteristics, disease resistance and grain yield. GIA1701P-I was evaluated in Victoria, South Australia and Western Australia in 2017, 2018 and 2019 and subsequently named 'GIA Kastar'. 'GIA Kastar' is the first Imidazolinone resistant field pea variety released globally. Breeder: Materne Family Trust, Quantong, VIC.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Flower	colour of wing (varieties with plant anthocyanin coloration present only)	pink
Plant	herbicide: resistance to imidazolinone herbicides	resistant

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'PBA Wharton'	Parent of GIA Kastar and therefore most similar genetically.

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
All current varieties except 'GIA Ourstar'	plant	herbicide: resistance to imidazolinone herbicides	resistant	susceptible	'GIA Ourstar' is the only variety other than GIA Kastar with resistance to imidazolinone herbicides but is different in many ways including colour of wing.
'GIA Ourstar'	flower	colour of wing (varieties with plant anthocyanin coloration present only)	pink	purple	

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

Organ/Plant Part: Context	'GIA KASTAR'	'PBA Wharton'

☐ *Plant: anthocyanin colouration	present	present
☐ Stem: anthocyanin coloration of axil	single ring	single ring
☐ *Stem: fasciation	absent	absent
☐ *Stem: length	medium	medium
☐ *Stem: number of nodes up to and including first fertile node	few	few
☐ *Foliage: colour	green	green
☐ Foliage: intensity of colour (varieties with foliage color: green (Char. 6, state 2) only)	light to medium	medium
☐ *Leaf: leaflets	absent	absent
☐ *Stipule: length	medium to long	medium to long
☐ *Stipule: width	medium	medium
☐ Stipule: size	medium	medium
☐ Stipule: length from axil to tip	medium to long	medium to long
☒ Stipule: length of lobe below axil	short	medium
☒ *Stipule: flecking	present	absent
☐ Stipule: density of flecking	medium	-
☐ Petiole: length from axil to first leaflet or tendril	long	medium to long
☐ Petiole: length from axil to last tendril (varieties with leaflets absent only)	medium	medium
☐ *Time of: flowering	medium to late	medium
☐ *Plant: maximum number of flowers per node (varieties with stem fasciation absent)	two	two
☐ *Flower: colour of wing (varieties with plant anthocyanin coloration present only)	pink	pink
☐ Flower: color of standard (varieties with plant anthocyanin coloration absent only)	white	white
☐ Flower: width of standard	medium	medium

☐ Peduncle: length of spur	short	short to medium
☐ Peduncle: length from stem to first pod	medium	medium
☐ Peduncle: length between first and second pods	short	short
☐ Peduncle: number of bracts	absent or few	absent or few
☐ *Pod: length	medium to long	medium to long
☐ *Pod: width at broadest part (mature leaf)	medium	medium
☐ *Pod: parchment	absent or partial	absent or partial
☐ *Pod: thickened wall (excluding varieties with pod parchment)	absent	absent
☐ *Pod: shape of distal part (varieties with Pod: thickened wall absent only)	blunt	blunt
☐ *Pod: curvature	weak	weak
☐ *Pod: colour	green	green
☐ Pod: intensity of green colour (varieties with pod colour green (Char. 43: state 2) only)	light	medium
☐ *Pod: suture strings (excluding varieties with pod parchment)	present	present
☐ *Pod: number of ovules	medium	medium
☐ *Immature seed: intensity of green colour	light	light
☐ Seed: shape	ellipsoid	ellipsoid
☐ *Seed: colour of cotyledon	yellow	yellow
☐ *Seed: marbling of testa (varieties with plant anthocyanin coloration present only)	absent	absent
☐ *Seed: violet or pink spots on testa (varieties with plant anthocyanin coloration present only)	absent	absent
☐ *Seed: hilum colour	same color as testa	same color as testa
☐ Seed: colour of testa (varieties with plant anthocyanin coloration present only)	reddish brown	reddish brown

☐ *Seed: weight	medium	medium

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'GIA KASTAR'	'PBA Wharton'
☒ Plant: Herbicide: Resistance to Imidazolinone herbicides	Resistant	Susceptible

Prior Applications and Sales: Nill

Description: Michael Materne, Materne Family Trust, Quantong, Vic

Field Pea -(*Pisum sativum*) GIA Kastar (left) at maturity displaying a resistant response to the Imidazolinone herbicide Intercept applied post emergence at 750 ml/hectare compared to 'PBA Wharton'

Details of Application

Application Number	2019/224
Variety Name	'GIA Sire'
Genus Species	*Lens culinaris*
Common Name	Lentil
Synonym	GIA Sire-IC Sire
Accepted Date	18 Nov 2019
Applicant	Materne Family Trust, Quantong, VIC.
Qualified Person	Michael Materne

Details of Comparative Trial

Location	Blair Farms, Horsham, Victoria, Australia, 3401.
Descriptor	Lentil (*Lens culinaris*) TG/210/2
Period	July 2019 to Dec 2019
Conditions	The comparative trial for GIA Sire was sown in Autumn, on a Wimmera grey clay soil, in a temperate climatic region, under dryland conditions. Fertiliser was applied at sowing and weeds were controlled using herbicides and hand weeding.
Trial Design	Split plot design with with 3 replications. Herbicides were allocated as main plots and varieties as plots. Plots were rows, 4m long and 1.75m wide plots with a row spacing of 25cm.
Measurements	Herbicide: Resistance to Clopyralid herbicide
RHS Chart - edition	N/A

Origin and Breeding

Induced mutation: ten kilograms of 'PBA Hurricane XT' seed was treated with 0.1% Ethyl methanesulfonate under controlled conditions and washed with Sodium hypochlorite (NaOCl). M1 seed was sown at Blair Farms, Kalkee, Victoria, Australia, in June 2014 and harvested at maturity. 0.25 hectare of M2 seed was sown at Blair Farms, Kalkee, Victoria, Australia, in June 2015 and plants treated with 90 g/ha of Clopyralid. Plants that survived and remained green were transplanted into pots and grown to maturity in a controlled environment facility at Global Grain Genetics, Quantong, Victoria, Australia. M3 seeds from each M2 plant were sown in pots in a controlled environment facility at Global Grain Genetics, Quantong, Victoria, Australia, in December 2015. Seedlings were treated with 90 g/ha of Clopyralid and plants that developed normally and set seed were harvested. M4 seed was sown in 4m x 1.75m plots at Schilling Farms, Paskeville, South Australia, Australia, in June 2017 and plants treated with 90 g/ha of Clopyralid. GIA Sire was selected for further evaluation in Victoria, South Australia and Western Australia (2018-2019) based on resistance to Clopyralid, Sulphonylurea and Imidazolinone herbicides, vigour, agronomic and phenological characteristics, total biomass, disease

resistance grain yield and quality. GIA Sire is the first Clopyralid resistant lentil variety released globally. Breeder: Materne Family Trust, Quantong, 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
Dry seed	weight	very low to low

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'PBA Hurricane'	Parent of GIA Sire and therefore most similar genetically.

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
All current varieties	Plant Herbicide: Resistance to Clopyralid herbicides	Resistant	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	'GIA Sire'	'PBA Hurricane XT'
☐ *Cotyledon: colour	orange	orange
☐ Plant: habit	semi-erect to horizontal	erect to semi-erect
☒ *Plant: height	very short	medium
☐ Plant: intensity of ramification	medium to strong	medium
☐ Leaf: shape	ovate	ovate
☐ Leaf: intensity of green colour	medium	medium
☐ Leaf: number of leaflets	medium	medium
☐ Leaflet: size	small	medium

☐ Raceme: number of flowers per node	two to three	two to three
☐ Flower: size	small	medium
☐ *Flower: colour of standard	blue	blue
☐ Pod: intensity of colour	medium	medium
☐ Pod: number of ovules	mainly two	mainly two
☐ *Pod: colour at dry harvest maturity	yellow	yellow
☐ *Pod: length at dry harvest maturity	short	medium
☐ *Dry seed: profile in longitudinal section	elliptic	elliptic
☐ *Dry seed: number of colours	one	one
☐ *Dry seed: main colour of testa	ochre	ochre
☐ *Dry seed: weight	very low	very low to low
☐ *Time of: flowering	medium to late	medium
☐ Time of: maturity	medium	medium

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	**'GIA Sire'**	**'PBA Hurricane XT'**
☐ Plant: tolerance to vegetative frost	weak	weak to moderate
☐ Plant: lodging resistance maturity	moderate	moderate
☐ Plant: early vigour	weak	moderate
☐ Plant: herbicide: resistance to Imidazolinone herbicides	resistant	resistant
☒ Plant: herbicide: resistance to clopyralid herbicide	resistant	susceptible

Prior Applications and Sales:

Nil

Description: **Michael Materne,** Materne Family Trust, Quantong, VIC

Lentil (Lens culinaris) variety 'GIA Sire' with comparator 'PBA Hurricane XT'

Details of Application

Application Number	2020/002
Variety Name	'KINTELMO'
Genus Species	*Lactuca sativa*
Common Name	Lettuce
Accepted Date	28 Feb 2020
Applicant	Rijk Zwaan Zaadteelt en Zaadhandel B.V., Netherlands
Agent	Spruson & Ferguson, NSW 2000
Qualified Person	Ean Blackwell

Details of Comparative Trial

Overseas Testing Authority	Naktuinbouw, NL
Overseas Data Reference Number	SLA4016
Location	Naktuinbouw, ROELOFARENDSVEEN, NL
Descriptor	TP/13/6 d.d. 01-01-2018
Period	2018
Conditions	In the open
Trial Design	In accordance with TP/13/6 d.d. 01-01-2018
Measurements	In accordance with TP/13/6 d.d. 01-01-2018
RHS Chart - edition	

Origin and Breeding

Controlled pollination: a modified line and a pedigree selection method was used to select KINTELMO out of a cross between KIRIBATI and Internal Breeding Line 601801 with a darker green colour intensity and more *Bremia* resistance. Breeder: Rijk Zwaan Zaadteelt en Zaadhandel B.V., 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
Type of culture		in the open

Seed	colour	black
Leaf	anthocyanin coloration	absent or very weak
Resistance to *Bremia lactucae*	isolate Bl:16EU	present
Plant	type	oakleaf
Resistance to *Bremia lactucae*	isolate Bl:29EU	present

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Kidow'	

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
'Kieren'	Time of beginning of bolting under long day conditions	medium	very late	
'Kieren'	Leaf glossiness of upper side	weak	medium	
'Kirke'	Leaf thickness	thin to medium	thin	

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

Organ/Plant Part: Context	'KINTELMO'	'Kidow'
☐ Seed: colour	black	
☒ Plant: diameter	medium to large	small to medium
☐ Plant: degree of overlapping of upper part of leaves	absent or weak	
☐ Plant: number of leaves	medium	
☐ Leaf: attitude	semi-erect	
☐ Leaf: number of divisions	few to medium	

☐	Leaf: width of lobes	narrow to medium	
☐	Leaf: anthocyanin colouration	absent or very weak	
☒	Leaf: colour	green	green to greyish green
☒	Leaf: intensity of green colour	medium to dark	medium
☐	Leaf: glossiness of upper side	weak	
☐	Leaf: thickness	thin to medium	
☐	Leaf: blistering	weak to medium	
☐	Leaf: size of blisters	small	
☐	Leaf: undulation of margin	very weak to weak	

Characteristics Additional to the Descriptor/TG

	Organ/Plant Part: Context	**'KINTELMO'**	**'Kidow'**
☐	Leaf: density of incisions of margin	sparse	
☐	Bolting: time of beginning of bolting	medium	
☐	Stem: axillary sprouting	strong	
☐	Resistance: resistance to *Bremia lactucae* (Bl) isolate Bl: 16EU	present	
☐	Resistance: resistance to *Bremia lactucae* (Bl) isolate Bl: 17EU	present	
☐	Resistance: resistance to *Bremia lactucae* (Bl) isolate Bl: 20EU	present	
☐	Leaf: venation	semi-flabellate	
☐	Resistance: resistance to *Bremia lactucae* (Bl) isolate Bl: 21EU	present	
☐	Resistance: resistance to *Bremia lactucae* (Bl) isolate Bl: 22EU	present	
☐	Resistance: resistance to *Bremia lactucae* (Bl) isolate Bl: 23EU	present	
☐	Resistance: resistance to *Bremia lactucae* (Bl) isolate Bl: 24EU	present	
☐	Resistance: resistance to *Bremia lactucae* (Bl) isolate Bl: 25EU	present	
☐	Resistance: resistance to *Bremia lactucae* (Bl) isolate Bl: 26EU	present	
☐	Resistance: resistance to *Bremia lactucae* (Bl) isolate Bl: 27EU	present	

☐ Resistance: resistance to *Bremia lactucae* (Bl) isolate Bl: 29EU	present
☐ Resistance: resistance to *Bremia lactucae* (Bl) isolate Bl: 30EU	present
☐ Resistance: resistance to *Bremia lactucae* (Bl) isolate Bl: 31EU	present
☐ Resistance: resistance to *Bremia lactucae* (Bl) isolate Bl: 33EU	present
☐ Resistance: resistance to *Lettuce mosaic virus* (LMV) pathotype II	present
☐ Resistance: resistance to *Nasonovia ribisnigri* (Nr) biotype Nr: 0	present
☐ Leaf: type of incisions of margin	crenate

Prior Applications and Sales:

Country	Year	Status	Name Applied
Netherlands	2018	granted	'Kintelmo'
European Unit	2018	granted	'Kintelmo'
United Kingdom	2018	granted	'Kintelmo'

First sold in France in Jun 2018

Description: **Ean Blackwell**, NSW 2000

‘KINTELMO’

Lettuce (*Lactuca sativa*) variety ‘KINTELMO’

Details of Application

Application Number	2020/036
Variety Name	'POPLAR'
Genus Species	*Lactuca sativa*
Common Name	Lettuce
Accepted Date	30 Mar 2020
Applicant	Nunhems B.V., Nunhem, The Netherlands
Agent	Spruson & Ferguson, Sydney, NSW
Qualified Person	Ean Blackwell

Details of Comparative Trial

Overseas Testing Authority	Naktuinbouw, The Netherlands
Overseas Data Reference Number	SLA4248
Location	Naktuinbouw, ROELOFARENDSVEEN, The Netherlands
Descriptor	TP/13/6 Rev
Period	2020
Trial Design	In accordance with TP/13/6 Rev
Measurements	In accordance with TP/13/6 Rev
RHS Chart - edition	n/a

Origin and Breeding

Controlled pollination: After a cross was made between the maternal parent and internal breeding line 106492395, a number of F1 plants were self-pollinated. From the second until the fifth generation, pedigree selection was performed. From the sixth until the seventh generation, line selection was performed. Breeder: Johan van Zee, 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	type	oakleaf type
Culture	type	in the open

Seed	colour	black
Leaf	anthocyanin coloration	absent or very weak
Bolting	time of beginning of bolting	very late
Plant	Resistance to *Bremia lactucae* (Bl)isolate Bl: 16EU	present
Plant	Resistance to *Bremia la*ctucae (Bl)isolate Bl: 29EU	present

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Kieren'	

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

Organ/Plant Part: Context	'POPLAR'	'Kieren'
☐ Seed: colour	black	
☒ Plant: diameter	medium to large	medium
☐ Plant: degree of overlapping of upper part of leaves	absent or weak	
☐ Plant: number of leaves	few	
☐ Leaf: attitude	semi-erect	
☒ Leaf: width of lobes	medium	medium to broad
☐ Leaf: anthocyanin colouration	absent or very weak	
☐ Leaf: colour	green	
☐ Leaf: intensity of green colour	medium	medium
☐ Leaf: glossiness of upper side	weak to medium	
☐ Leaf: thickness	thin	

☐ Leaf: blistering	weak to medium
☐ Leaf: size of blisters	small
☐ Leaf: undulation of margin	weak

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'POPLAR'	'Kieren'
☐ Leaf: density of incisions of margin	sparse	
☐ Bolting: time of beginning of bolting	very late	
☐ Stem: Axillary sprouting	medium	
☐ Bolting stem: fasciation	medium	
☐ Resistance: Resistance to *Bremia lactucae (Bl)* isolate Bl: 16EU	present	
☐ Resistance: Resistance to *Bremia lactucae* (Bl) isolate Bl: 17EU	present	
☐ Resistance: Resistance to *Bremia lactucae* (Bl) isolate Bl: 20EU	present	
☐ Leaf: venation	semi-flabellate	
☐ Resistance: Resistance to *Bremia lactucae* (Bl) isolate Bl: 21EU	present	
☐ Resistance: Resistance to *Bremia lactucae* (Bl) isolate Bl: 22EU	present	
☐ Resistance: Resistance to *Bremia lactucae* (Bl) isolate Bl: 23EU	present	
☐ Resistance: Resistance to *Bremia lactucae* (Bl) isolate Bl: 24EU	present	
☐ Resistance: Resistance to *Bremia lactucae* (Bl) isolate Bl: 25EU	present	
☐ Resistance: Resistance to *Bremia lactucae* (Bl) isolate Bl: 26EU	present	
☐ Resistance: Resistance to *Bremia lactucae* (Bl) isolate Bl: 27EU	present	

Resistance: Resistance to *Bremia lactu*cae (Bl) isolate Bl: 29EU	present
Resistance: Resistance to *Bremia lactucae* (Bl) isolate Bl: 30EU	present
Resistance: Resistance to *Bremia lactucae* (Bl) isolate Bl: 31EU	present
Resistance: Resistance to *Bremia lactucae* (Bl) isolate Bl: 33EU	present
Resistance: Resistance to *Bremia lactucae* (Bl) isolate Bl: 35EU	present
Resistance: Resistance to *Lettuce mosaic virus (LMV) pathotype II*	present
Resistance: Resistance to *Nasonovia rib*isnigri (Nr) biotype Nr: 0	present
Leaf: type of incisions of margin	crenate
Leaf: depth of incisions of margin	shallow

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2019	Granted	'POPLAR'
The Netherlands	2019	Granted	'POPLAR'
United Kingdom	2022	Applied	'POPLAR'

First sold in France in July 2019 and in Australia in August 2019

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

Lettuce (*Lactuca sativa*) - Photo of 'POPLAR'

Details of Application

Application Number	2020/163
Variety Name	'Commodus'
Genus Species	*Hordeum vulgare*
Common Name	Barley
Synonym	IGB1908T
Accepted Date	13 Oct 2020
Applicant	InterGrain Pty Ltd, Bibra Lake, WA
Qualified Person	David Watson

Details of Comparative Trial

Location	Horsham
Descriptor	Barley (*Hordeum vulgare*) TG/19/11
Period	June 2020 to December 2020
Conditions	Trial was sown in Winter into good moisture. Conditions were average during Winter with dry Spring finish.
Trial Design	Randomised 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: Primary cross between IGB1414T and Compass made in 2015; backcross to Compass made in the summer of 2015/16 and a second backcross to Compass made in the winter of 2016 after the BC1F1's were sprayed with Intervix to enable selection for herbicide tolerance heterozygotes. BC2F1's were grown in the summer of 2016/17 and sprayed with Intervix to select a F2 population for sowing in 2017 at Dandaragan, WA. The F2 population was sprayed with Intervix, herbicide tolerant single plant selections were taken, and seed multiplied over the summer of 2017/18. Selections were evaluated in multi-location trials in 2018 and 2019, with IGB1908T being identified from these trials from promotion into 2020 NVT testing based on tolerance to imidazolinone herbicides, grain yield, grain plumpness and disease resistance. Breeder: David Moody, InterGrain Pty Ltd, Bibra Lake, 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
Plant	season type	spring type
Ear	number of rows	two
Ear	development of sterile spikelets	full
Grain	type	husked

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
Compass	
Scope	
Spartacus	

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
'Maximus CL'	Plant height	tall	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	'Commodus'	'Compass'	'Scope'	'Spartacus'
☐ Kernel: colour of aleurone layer	whitish	whitish	whitish	whitish
☒ Plant: growth habit	semi-erect to intermediate	semi-erect to intermediate	semi-erect to intermediate	erect
☐ Lowest leaves: hairiness of leaf sheath	absent	absent	absent	absent
☐ Ear: Time of emergence	medium	medium	medium	early
☐ Flag leaf: glaucosity of sheath	weak	weak	medium to strong	medium
☐ Awns: anthocyanin colouration of tips	absent or very weak	absent or very weak	absent or very weak	absent or very weak
☐ Ear: glaucosity	absent or very weak	absent or very weak	medium	medium

☐ Ear: attitude	horizontal to semi-drooping	horizontal to semi-drooping	horizontal to semi-drooping	semi-erect to horizontal
☒ Plant: length	medium	medium	medium to long	short
☐ Ear: number of rows	two	two	two	two
☐ Ear: development of sterile spikelets	full	full	full	full
☐ Sterile spikelet: attitude	parallel to divergent	parallel to divergent	parallel to divergent	parallel to divergent
☐ Ear: shape	slightly tapering	slightly tapering	slightly tapering	slightly tapering
☐ Ear: density	medium	medium	medium	medium
☐ Ear: length	medium	medium	medium	short to medium
☒ Awn: length	long	long	medium	short
☐ Rachis: curvature of first segment	weak	weak	weak to medium	weak to medium
☒ Grain: rachilla hair type	long	long	long	short
☐ Grain: type	husked	husked	husked	husked
☐ Grain: hairiness of ventral furrow	absent	absent	absent	absent
☐ Lemma: shape of base	non-bevelled	non-bevelled	non-bevelled	non-bevelled
☐ Seasonal type:	spring type	spring type	spring type	spring type

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Commodus'	'Compass'	'Scope'	'Spartacus'
☒ Plant: Resistance to Imidazolinone herbicides	tolerant	susceptible	tolerant	tolerant

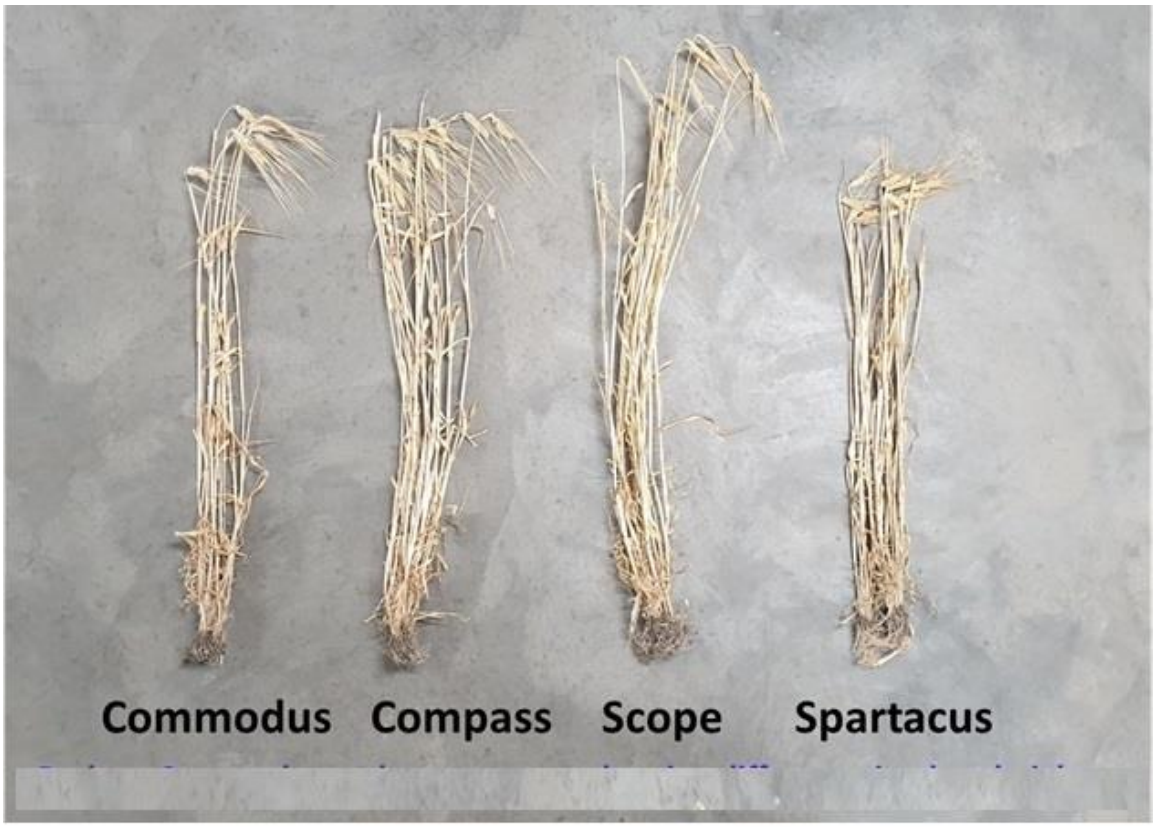
Statistical Table

Organ/Plant Part: Context	'Commodus'	'Compass'	'Scope'	'Spartacus'
☒ Plant: Length (cm)				
Mean	80.50	81.30	87.50	66.00
Std. Deviation	2.07	1.88	2.72	1.83
Lsd/sig	6.87	ns	P≤0.01	P≤0.01

☒Awn: Length (cm)				
Mean	9.67	9.67	8.62	6.72
Std. Deviation	0.47	0.45	0.44	0.38
Lsd/sig	1.53	ns	ns	P≤0.01

Prior Applications and Sales: Nill

Description: David Watson, InterGrain Pty Ltd, Horsham, Vic



Barley (*Hordeum vulgare*) variety 'Commodus' with comparators 'Compass', 'Scope' and 'Spartacus'

Application Number	2020/283
Variety Name	'AUS-MAJESTIC'
Genus Species	*Rubus idaeus*
Common Name	Raspberry
Accepted Date	27 Jan 2021
Applicant	Plant Sciences, Inc. 342 Green Valley Road, Watsonville, California 95076, United States
Agent	Red Jewel Fruit Management Pty Ltd., PO Box 1180, Armidale, NSW 2350
Qualified Person	Elise Pike

Details of Comparative Trial

Location	Ballandean, QLD, Australia
Descriptor	TG/43/7 Raspberry (*Rubus idaeus* L.)
Period	June to November 2023
Conditions	The new variety was grown in a screen house under standard raspberry production guidelines, including asexual propagation by dormant canes in nurseries and subsequently grown under covered conditions.
Trial Design	Completely randomized design. The new variety was compared to variety 'GRANDEUR' (2012/041) in the field.
Measurements	Measurements taken from randomly selected plants.
RHS Chart - edition	2007

Details of Application

Origin and Breeding

Controlled pollination: Seedling resulting from the controlled crossing of female parent 'GRANDEUR' and pollen parent '04.3891' (unpatented selection) was selected and asexually propagated. The new variety has remained true to type through successive generations. Breeder: Scott W. Adams, Plant Sciences, Inc., California, United States.

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

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

Fruit	main bearing type	only on current year's cane in Autumn
Very young shoot	anthocyanin colouration of apex during rapid growth	present
Fruit	colour	dark red
Spines	presence	present

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'GRANDEUR'	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
'04.3891'	Fruit : glossiness	medium	strong	
'04.3891'	Frut: firmness	firm	soft	

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

Organ/Plant Part: Context	'AUS-MAJESTIC'	'GRANDEUR'
☐ Plant: habit	upright	upright
☐ *Plant: number of current season's canes	medium to many	medium
☐ *Very young shoot: anthocyanin colouration of apex during rapid growth	present	present
☐ *Very young shoot: intensity of anthocyanin colouration of apex during rapid growth	very weak	weak
☒ Current season's cane: bloom	medium	weak
☐ Current season's cane: anthocyanin colouration	medium	weak to medium
☐ Current season's cane: length of internode	short	very short to short
☒ Current season's cane: length of vegetative bud	long	medium
☒ *Current season's cane: length (varieties which fruit on current season's cane in autumn)	medium	long

☐ *Spines: presence	present	present
☐ *Spines: density (varieties with spines present only)	sparse to medium	sparse to medium
☐ Spines: size of base (varieties with spines present only)	small	very small
☐ Spines: length (varieties with spines present only)	very short to short	very short to short
☒ Spines: colour (varieties with spines present only)	brown	brownish green
☐ *Leaf: green colour of upper side	medium	medium to dark
☐ *Leaf: predominant number of leaflets	three	three
☐ Leaf: profile of leaflets in cross section	straight	concave
☐ *Leaf: rugosity	medium to strong	strong
☐ Leaf: relative position of lateral leaflets	touching	free
☐ Terminal leaflet: length	long	medium to long
☐ Terminal leaflet: width	medium to broad	medium
☐ Pedicel: number of spines	medium to many	medium to many
☐ *Peduncle: presence of anthocyanin colouration	present	present
☐ *Peduncle: intensity of anthocyanin colouration	very weak to weak	very weak to weak
☐ Flower: size	medium	medium
☐ *Fruit: length	medium	medium
☐ *Fruit: width	medium	medium
☐ *Fruit: ratio length/width	medium	medium
☐ *Fruit: general shape in lateral view	broad conical	broad conical
☐ Fruit: size of single drupe	medium to large	large
☐ *Fruit: colour	dark red	dark red
☒ Fruit: glossiness	strong	medium
☐ *Fruit: firmness	firm	medium to firm
☐ Fruit: adherence to plug	weak	weak

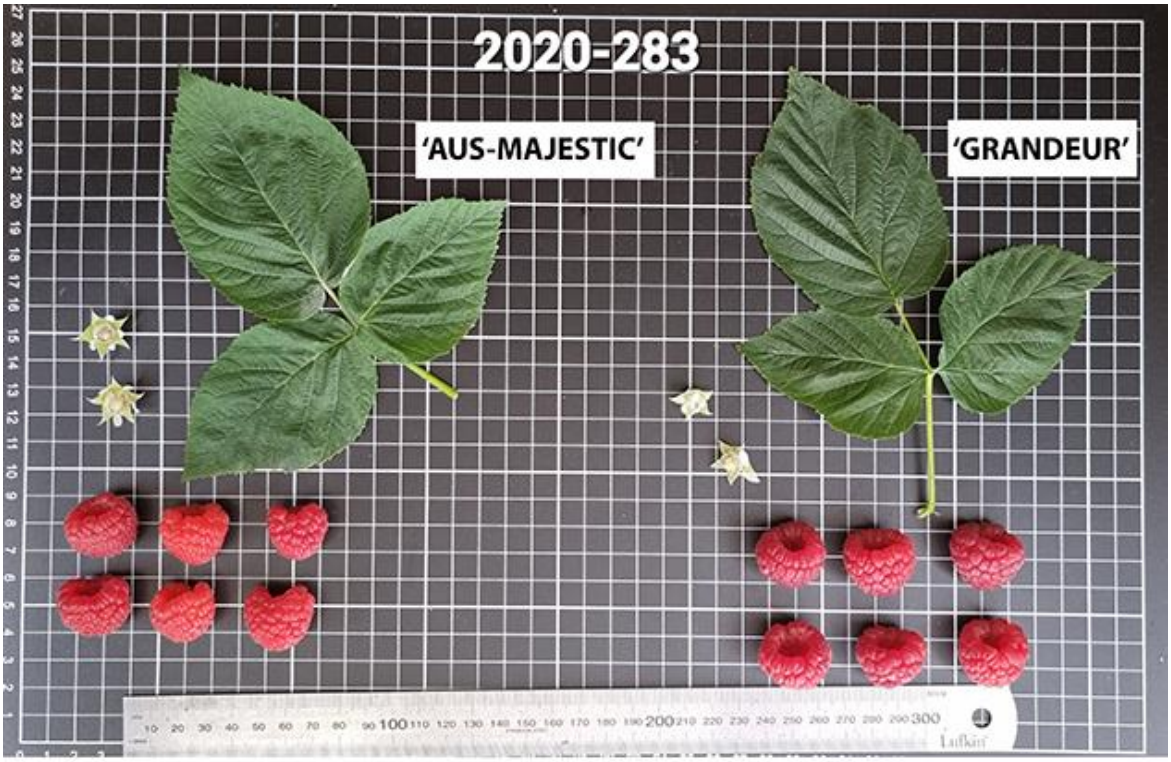
☐ *Fruit: main bearing type	only on current year's cane in autumn	only on current year's cane in autumn
☐ *Time of: cane emergence (varieties which fruit on current year's cane in autumn)	early to medium	medium
☐ *Time of: beginning of flowering on current season's cane (varieties which fruit on current year's cane in autumn)	early to medium	early
☐ *Time of: beginning of fruit ripening on current year's cane (varieties which fruit on current year's cane in autumn)	early to medium	early
☐ Length of: fruiting period on current year's cane (varieties which fruit on current year's cane in autumn)	medium	medium

Prior Applications and Sales:

Country	Year	Status	Name Applied
European Union	2017	Granted	'MAJESTIC'
United States	2017	Granted	'MAJESTIC'
Kenya	2019	Applied	'MAJESTIC'
Peru	2020	Granted	'MAJESTIC'
New Zealand	2020	Applied	'MAJESTIC'
Mexico	2018	Granted	'MAJESTIC'
Serbia	2020	Granted	'MAJESTIC'
Ukraine	2021	Granted	'MAJESTIC'
Norway	2020	Applied	'MAJESTIC'

First sold in: 01 Dec 2016, United States.

Description: **Elise Pike**, Wamuran, QLD 4512.



Raspberry (*Rubus idaeus*) 'AUS-MAJESTIC' and comparator 'GRANDEUR'

Details of Application:

Application Number	2020/307
Variety Name	'MISTELA'
Genus Species	*Solanum lycopersicum*
Common Name	Tomato
Accepted Date	23 Mar 2021
Applicant	Nunhems B.V., Nunhem, The Netherlands
Agent	Spruson & Ferguson, Sydney, NSW
Qualified Person	Ean Blackwell

Details of Comparative Trial

Overseas Testing Authority	Naktuinbouw, The Netherlands
Overseas Data Reference Number	TMT3410
Location	Naktuinbouw, ROELOFARENDSVEEN, The Netherlands
Descriptor	TP/44/4 (21-03-2012)
Period	2019 - 2020
Trial Design	In accordance with TP/44/4
Measurements	In accordance with TP/44/4
RHS Chart - edition	n/a

Origin and Breeding

Controlled pollination: The desired traits of the female and male parent lines were selected by crossing and selfing of existing lines, selecting according to the plans until homozygosity in each was reached. Once the two parent lines were fixed, they were crossed to make the present hybrid. The hybrid was then tested in screening and trial levels, always focusing on taste, fruit characteristics and plant manageability.

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	indeterminate
Peduncle	abscission layer	present
Fruit	green shoulder (before maturity)	present

Fruit	green stripes (before maturity)	absent
Fruit	size	very small to small
Fruit	shape in longitudinal section	cylindric
Fruit	number of locules	two and three
Fruit	colour at maturity	red
Plant	Resistance to *Meloidogyne incognita*	highly resistant
Plant	Resistance to *Verticilium* sp. (Va and Vd) fysio 0	absent
Plant	Resistance *Fusarium oxysporum* f. sp. lycopersici, race 0 (ex 1)	present
Plant	Resistance to *Fusarium oxysporum f. sp.* lycopersici, race 1 (ex 2)	present
Plant	Resistance to *Tomato Mosaic Virus* (ToMV), strain 0	present
Plant	Resistance to *Tomato Spotted Wilt Virus* (TSWV), race 0	absent

Most Similar Varieties of Common Knowledge identified (VCK)

Name	**Comments**
'Vespolino'	

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

Organ/Plant Part: Context	**'MISTELA'**	**'Vespolino'**
☐ Seedling: anthocyanin colouration of hypocotyl (seed-propagated varieties only)	present	
☐ *Plant: growth type	indeterminate	
☐ Stem: anthocyanin colouration	very weak to weak	
☐ Stem: length of internode (varieties with plant growth type indeterminate only)	medium	
☐ Plant: height (varieties with plant growth type indeterminate only)	long	

☐ *Leaf: attitude	horizontal to semi-drooping	
☐ Leaf: length	medium	
☐ Leaf: width	narrow to medium	
☐ *Leaf: type of blade	bipinnate	
☒ Leaf: size of leaflets	small to medium	medium to large
☒ Leaf: intensity of green colour	medium to dark	light to medium
☐ Leaf: glossiness	weak	
☐ Leaf: blistering	weak to medium	
☐ Leaf: attitude of petiole of leaflet in relation to main axis	horizontal	
☐ Inflorescence: type	mainly multiparous	
☐ *Flower: colour	yellow	
☐ Flower: pubescence of style	present	
☐ *Peduncle: abscission layer	present	
☐ *Pedicel: length (varieties with peduncle abscission layer present only)	medium	
☐ *Fruit: green shoulder (before maturity)	present	
☐ Fruit: extent of green shoulder (before maturity)	medium	
☐ Fruit: intensity of green colour of shoulder (before maturity)	medium to dark	
☐ *Fruit: intensity of green colour excluding shoulder (before maturity)	light	
☐ Fruit: green stripes (before maturity)	absent	
☐ *Fruit: size	very small to small	very small to small
☐ *Fruit: ratio length/diameter	moderately elongated	

☐ *Fruit: shape in longitudinal section	cylindric
☐ *Fruit: ribbing at peduncle end	very weak to weak
☐ Fruit: depression at peduncle end	very weak to weak
☐ Fruit: size of peduncle scar	very small
☐ Fruit: size of blossom scar	very small
☐ Fruit: shape at blossom end	flat
☐ Fruit: diameter of core in cross section in relation to total diameter	small
☐ Fruit: thickness of pericarp	very thin to thin
☐ *Fruit: number of locules	two and three
☐ *Fruit: colour (at maturity)	red
☐ *Fruit: colour of flesh (at maturity)	red
☐ Fruit: glossiness of skin	medium
☒ *Fruit: firmness	firm to very firm medium to firm
☐ Time of: flowering	early
☐ *Time of: maturity	very early to early
☐ *Resistance to: *Meloidogyne incognita* (Mi)	highly resistant
☐ *Resistance to: *Verticillium* sp. (Va and Vd) – Race 0	absent
☐ Resistance to: *Fusarium oxysporum* f. sp. *lycopersici* (Fol) – Race 0 (ex 1)	present
☐ Resistance to: *Fusarium oxysporum* f. sp. *lycopersici* (Fol) – Race 1 (ex 2)	present
☐ Resistance to: *Fusarium oxysporum* f. sp. *lycopersici* (Fol) – Race 2 (ex 3)	absent
☐ Resistance to: *Fusarium oxysporum* f. sp. *radicis lycopersici* (Forl)	absent

☐ Resistance to: *Fulvia fulva* (Ff) (ex *Cladosporium fulvum*) – Race 0	absent
☐ Resistance to: *Fulvia fulva* (Ff) (ex *Cladosporium fulvum*) – Group A	absent
☐ Resistance to: *Fulvia fulva* (Ff) (ex *Cladosporium fulvum*) – Group B	absent
☐ Resistance to: *Fulvia fulva* (Ff) (ex *Cladosporium f*ulvum) – Group C	absent
☐ Resistance to: *Fulvia fulva* (Ff) (ex *Cladosporium fulvum*) – Group D	absent
☐ Resistance to: *Fulvia fulva* (Ff) (ex *Cladosporium fulvum*) – Group E	absent
☐ Resistance to: Tomato Mosaic Tobamovirus (ToMV) – Strain 0	present
☐ Resistance to: Tomato Mosaic Tobamovirus (ToMV) – Strain 1	present
☐ Resistance to: Tomato Mosaic Tobamovirus (ToMV) – Strain 2	present
☐ Resistance to: *Phytophthora infestans* (Pi)	absent
☐ Resistance to: *Stemphylium*	absent
☐ Resistance to: *Pseudomonas syringae* pv. tomato (Pst)	absent
☐ Resistance to: *Tomato Yellow Leaf Cur*l Begomovirus (TYLCV)	present
☐ Resistance to: Tomato Spotted Wilt Tospovirus (TSWV) - Race 0	absent
☐ Resistance to: Leveillula taurica (Lt)	absent
☐ Resistance to: Tomato Torrado Virus (ToTV)	present

Prior Applications and Sales:

Country	Year	Status	Name Applied
Brazil	2020	Granted	'MISTELA'
EU	2018	Granted	'MISTELA'

Mexico	2020	Granted	‘MISTELA’
United Kingdom	2020	Applied	‘MISTELA’

First sold in Spain in June 2019 and in Australia in October 2020

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

Tomato (*Solanum lycopersicum*) - Plant parts of 'MISTELA'

Details of Application

Application Number	2021/024
Variety Name	'WM-1'
Genus Species	*Prunus salicina*
Common Name	Japanese Plum
Accepted Date	18-Mar-2021
Applicant	Ben-Dor Fruits and Nurseries, Yesud Hama'ala, Israel
Agent	Cutri Fruit Pty Ltd, Woorinen, VIC
Qualified Person	Gaethan Cutri

Details of Comparative Trial

Location	Wood Wood Victoria 3589
Descriptor	Japanese Plum (*Prunus salicina*) TG/84/4 Corr. 2 Rev. 2
Period	2019 - 2022
Conditions	Trees grown under commercial conditions, pruning, irrigation and fertilizer and crop protection were completed as required.
Trial Design	Large block, un-replicated. Each block consists of 3509 trees, planted on 3.35m x 1.1m spacing.
Measurements	As per TG/84/4
RHS Chart - edition	6th edition, 2015

Origin and Breeding

Cross Pollination: selecting the best candidates out of 40,000 crosses. following for several years, choosing the best selections, and grafting them onto various rootstocks, establishing semi commercial test blocks several trees per variety, following them for several years until commercialization decision is being made. Breeder: Mr Joseph (Seffi) Ben Dor, Ben-Dor Fruits and Nurseries, Yesud Hama'ala, Israel.

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

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

Tree	type of bearing	on spurs and long shoots
Tree	habit	spreading
Leaf blade	length / width ratio	moderately elongated
Flower	arrangement of petals (flowers with 5 petals only)	free
Fruit	size	medium to Large

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'O-14-5'	

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Red Heart'	fruit size	medium	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	'WM-1'	'O-14-5'
☐ Tree: type of bearing	on spurs and long shoots	on spurs and long shoots
☐ Tree: vigour	medium to strong	medium
☐ *Tree: habit	spreading	spreading
☐ One-year old shoot: colour	brown	
☐ Spur: length	medium	short to medium
☐ Vegetative bud: size	small	medium
☐ Vegetative bud: shape of apex	obtuse	acute
☐ One-year-old shoot: position of vegetative bud in relation to shoot	markedly held out	markedly held out
☐ *Leaf blade: length	medium	medium to long

☐ *Leaf blade: width	medium	medium to broad
☐ *Leaf blade: length/width ratio	moderately elongated	moderately elongated
☐ *Leaf blade: shape	elliptic	obovate
☐ *Leaf blade: colour of upper side	medium green	medium green
☐ *Leaf blade: angle of apex (excluding tip)	acute	acute
☐ Leaf: glossiness of upper side	strong	strong
☐ Leaf blade: density of pubescence of lower side	sparse	sparse
☐ *Leaf blade: incisions of margin	crenate	crenate
☐ *Petiole: length	medium	medium
☐ *Pedicel: length	medium to long	medium to long
☐ Flower: diameter	medium	small to medium
☐ Flower: arrangement of petals	free	free
☐ *Sepal: shape	triangular	medium ovate
☐ *Petal: length	medium to long	medium
☐ *Petal: shape	elliptic	circular
☐ Petal: undulation of margin	weak	medium
☐ *Stigma: position in relation to anthers	below	below
☒ Fruit: length of stalk	medium to long	short to medium
☐ *Fruit: size	medium to large	medium to large
☐ *Fruit: height	medium	medium
☐ *Fruit: width	medium to broad	medium to broad
☐ *Fruit: shape in lateral view	oblate	oblate
☐ Fruit: symmetry	symmetric or slightly asymmetric	symmetric or slightly asymmetric
☐ *Fruit: shape of base	depressed	depressed

☐ Fruit: shape of apex	truncate	truncate
☐ *Fruit: depth of stalk cavity	medium	medium
☐ *Fruit: width of stalk cavity	narrow	narrow
☐ *Fruit: depth of suture	shallow	absent or very shallow
☐ *Fruit: bloom of skin	strong	strong
☐ *Fruit: ground colour of skin	yellowish green	yellowish green
☒ *Fruit: relative area of over colour	medium to large	small
☐ *Fruit: over colour of skin	dark red	medium red
☐ *Fruit: pattern of over colour	solid flush only	solid flush only
☐ *Fruit: number of lenticels	many	many
☐ *Fruit: size of lenticels	medium	large
☐ *Fruit: colour of flesh	medium red	medium red
☐ Fruit: firmness	medium to firm	medium to firm
☐ Fruit: juiciness	high	high
☐ Fruit: acidity	medium	medium
☐ Fruit: sweetness	high	high
☐ *Fruit: adherence of stone to flesh	adherent	adherent
☐ *Stone: size	medium to large	medium to large
☐ *Stone: shape in lateral view	medium elliptic	circular
☐ *Stone: shape in ventral view	narrow elliptic	medium elliptic
☐ *Stone: shape in basal view	narrow elliptic	medium elliptic
☐ Stone: symmetry in lateral view	symmetric or slightly asymmetric	
☐ Stone: width of stalk-end	narrow	medium
☐ *Time of: beginning of flowering	early	early

☐ *Time of: beginning of fruit ripening	very early to early	early

Statistical Table

Organ/Plant Part: Context	**'WM-1'**	**'O-14-5'**
☒ Leaf: length (mm)		
Mean	89.10	93.10
Std. Deviation	3.08	9.20
Lsd/sig	3.65	P≤0.01
☒ Leaf: width (mm)		
Mean	48.00	52.70
Std. Deviation	1.77	5.90
Lsd/sig	2.14	P≤0.01
☒ Leaf: length width (ratio)		
Mean	1.90	1.80
Std. Deviation	0.06	0.10
Lsd/sig	0.07	P≤0.01
☒ Stem: length (mm)		
Mean	14.38	10.60
Std. Deviation	0.35	2.00
Lsd/sig	0.83	P≤0.01
☒ Fruit: diameter (mm)		
Mean	51.60	54.10
Std. Deviation	0.69	3.50
Lsd/sig	1.54	P≤0.01
☒ Stem: diameter (mm)		
Mean	1.27	1.85
Std. Deviation	0.09	0.30
Lsd/sig	0.11	P≤0.01

Prior Applications and Sales:

Nil

Description: **Gaethan Cutri,** Cutri Fruit Pty Ltd, Woorinen, VIC

Japanese Plum - (*Prunus salicina*)'WM-1' (left) with comparator '0-14-5'.

Details of Application

Application Number	2021/036
Variety Name	'Nobility'
Genus Species	*Rubus idaeus*
Common Name	Raspberry
Accepted Date	23 Mar 2021
Applicant	Plant Sciences, Inc. 342 Green Valley Road, Watsonville, California 95076, United States
Agent	Red Jewel Fruit Management Pty Ltd., PO Box 1180, Armidale, NSW 2350
Qualified Person	Elise Pike

Details of Comparative Trial

Location	Ballandean, Queensland Australia
Descriptor	TG/43/7 Raspberry (*Rubus idaeus* L.)
Period	June to November 2023
Conditions	The new variety was grown in a screen house under standard raspberry production guidelines, including asexual propagation by dormant canes in nurseries and subsequently grown under covered conditions.
Trial Design	Completely randomized design. The new variety was compared to variety 'GRANDEUR' (2012/041) in the field.
Measurements	Measurements taken from randomly selected plants
RHS Chart - edition	2007

Origin and Breeding

Controlled pollination: Seedling resulting from the controlled crossing of pollen parent 'Radiance' (2012/040) and female parent '04.3721' (unpatented selection) was selected and asexually propagated. The new variety has remained true to type through successive generations. Breeder: Scott W. Adams, Plant Sciences, Inc., California, United States.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Very young shoot	anthocyanin colouration of apex during rapid growth	present

Fruit	main bearing type	only on current year's cane in autumn
Spines	presence	present

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'GRANDEUR'	

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
'Radiance'	Fruit: size	medium	small	Pollen parent
'Radiance'	Fruit: glossiness	strong	medium	
'04.3721'	Fruit: glossiness	strong	weak	Maternal parent
'04.3721'	Fruit: firmness	firm	soft 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	'Nobility'	'GRANDEUR'
☐ Plant: habit	semi-upright	upright
☐ *Plant: number of current season's canes	medium	medium
☐ *Very young shoot: anthocyanin colouration of apex during rapid growth	present	present
☐ *Very young shoot: intensity of anthocyanin colouration of apex during rapid growth	very weak to weak	weak
☐ Current season's cane: bloom	weak	weak
☐ Current season's cane: anthocyanin colouration	weak to medium	weak to medium
☒ Current season's cane: length of internode	medium	very short to short
☐ Current season's cane: length of vegetative bud	medium to long	medium
☐ *Current season's cane: length (varieties which fruit on current season's cane in autumn)	long	long

☐ *Spines: presence	present	present
☒ *Spines: density (varieties with spines present only)	dense to very dense	sparse to medium
☐ Spines: size of base (varieties with spines present only)	very small to small	very small
☒ Spines: length (varieties with spines present only)	medium to long	very short to short
☐ Spines: colour (varieties with spines present only)	brownish green	brownish green
☐ *Leaf: green colour of upper side	medium to dark	medium to dark
☐ *Leaf: predominant number of leaflets	three	three
☐ Leaf: profile of leaflets in cross section	straight	concave
☒ *Leaf: rugosity	medium	strong
☐ Leaf: relative position of lateral leaflets	free	free
☒ Terminal leaflet: length	long to very long	medium to long
☒ Terminal leaflet: width	broad to very broad	medium
☒ Pedicel: number of spines	few	medium to many
☐ *Peduncle: presence of anthocyanin colouration	present	present
☐ *Peduncle: intensity of anthocyanin colouration	very weak to weak	very weak to weak
☐ Flower: size	medium to large	medium
☒ *Fruit: length	long	medium
☒ *Fruit: width	broad	medium
☒ *Fruit: ratio length/width	large	medium
☐ *Fruit: general shape in lateral view	conical	broad conical
☐ Fruit: size of single drupe	large to very large	large
☐ *Fruit: colour	medium red	dark red
☐ Fruit: glossiness	medium to strong	medium
☐ *Fruit: firmness	medium	medium to firm
☐ Fruit: adherence to plug	weak to medium	weak

☐ *Fruit: main bearing type	only on current year's cane in autumn	only on current year's cane in autumn
☐ *Time of: cane emergence (varieties which fruit on current year's cane in autumn)	medium	medium
☐ *Time of: beginning of flowering on current season's cane (varieties which fruit on current year's cane in autumn)	early to medium	early
☐ *Time of: beginning of fruit ripening on current year's cane (varieties which fruit on current year's cane in autumn)	early to medium	early
☐ Length of: fruiting period on current year's cane (varieties which fruit on current year's cane in autumn)	medium	medium

Prior Applications and Sales:

Country	Year	Status	Name Applied
European Union	2019	Granted	'Nobility'
United States	2019	Granted	'Nobility'
Kenya	2020	Applied	'Nobility'
New Zealand	2021	Applied	'Nobility'
Mexico	2019	Granted	'Nobility'
Switzerland	2020	Granted	'Nobility'
Norway	2020	Applied	'Nobility'

First sold in: 23 May 2018, Portugal.

Description: **Elise Pike**, Wamuran, QLD 4512.

Raspberry (*Rubus idaeus*) 'Nobility' and comparator 'GRANDEUR'

Details of Application

Application Number	2021/170
Variety Name	'OPA4/19'
Genus Species	*Passiflora* hybrid
Common Name	Passion fruit
Synonym	
Accepted Date	13 Sep 2021
Applicant	Oz Pash Pty Ltd, Kin Kin, QLD 4571
Agent	
Qualified Person	Ian Paananen

Details of Comparative Trial

Location	Clothiers Creek, NSW
Descriptor	TG/256/1
Period	2022-2023
Conditions	Trial conducted in standard commercial field production conditions within a trial block.
Trial Design	10 plants per variety randomly blocked in standard trellised beds
Measurements	Randomly from 5 plants.
RHS Chart - edition	2015

Origin and Breeding

Controlled pollination: seed parent 'TBC5' x pollen parent 'Tweed Tango' in 2017. The seed parent is characterised by a large plant size and and a large fruit size. The pollen parent is characterised by medium to large sized dark purple fruit with medium shape uniformity. Selection took place in Clothiers Creek, NSW in 2019. Selection criteria: Uniformly round fruit with desirable flavour profile on vigorous, disease tolerant plant. Propagation: vegetative cuttings were found to be uniform and stable. Breeders: Tim Johnson, Clothiers Creek, NSW and John McLeod, Dungay, NSW.

Choice of Comparators:

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Leaf blade	blistering	present

Fruit	length	short to medium
Fruit	diameter	medium
Fruit	colour of pulp	yellow orange
Fruit	shape	globose
Fruit	colour of skin	reddish purple to purple

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'OPA3/19'	
'Misty Gem'	

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
'Tweed Tango'	fruit	shape	globose	broad ellipsoid	Tweed Tango also has a yellower pulp colour
'Tweed Flamenco'	fruit	shape	globose	broad ellipsoid	Tweed Flamenco also has a more variable purple fruit skin colour and low amount of free juice
'Sweetheart'	fruit	shape	globose	broad ellipsoid	Sweetheart also has a darker coloured purpling of fruit skin

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

Organ/Plant Part: Context	'OPA4/19'	'Misty Gem'	'OPA3/19'
☐ Plant: colour of vine	medium green	medium green	medium green
☐ Leaf blade: length	long	medium	long
☐ Leaf blade: width	broad to very broad	medium	broad to very broad
☐ Leaf blade: width of terminal lobe	broad	medium	broad to very broad
☐ Leaf blade: depth of sinus	shallow to medium	deep	medium to deep

☒ leaf blade: intensity of green colour	medium	medium	light
☐ Leaf blade: blistering	present	present	present
☒ Leaf blade: degree of blistering	strong	medium	strong
☐ Petiole: length	medium to long	short to medium	medium
☒ Petiole: position of nectaries	adjacent to leaf blade	distant from leaf blade	adjacent to leaf blade
☒ Flower: length of bract	short	short	medium
☐ Flower: length of sepal	medium	medium	medium
☐ Flower: width of sepal	medium	medium	medium
☐ Flower : length of petal	medium	medium	medium
☐ Flower: width of petal	narrow to medium	narrow	narrow
☒ Flower : intensity of colour of spotted ring in throat	medium	absent or light	medium
☐ Flower : diameter of corona of filaments	medium	medium	medium
☐ Flower: presence of purple rings on corona filaments	present	present	present
☐ Flower: width of purple rings on corona filaments	narrow to medium	narrow to medium	narrow to medium
☐ Flower: intensity of colour of purple rings on corona filaments	medium	medium	medium
☐ Flower : spots on distal part of corona filaments	absent	absent	absent
☐ Fruit: length	short to medium	short to medium	medium
☐ Fruit: diameter	medium	small to medium	medium
☐ Fruit: conspicuousness of lenticels	very conspicuous	very conspicuous	very conspicuous
☐ Fruit: thickness of skin	medium to thick	thick	medium to thick
☐ Fruit: size of seed	small	small	small

☒ Fruit: colour of funiculus	white yellowish	pink red	white yellowish
☐ Fruit: colour of pulp	yellow orange	yellow orange	yellow orange

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'OPA4/19'	'Misty Gem'	'OPA3/19'
☒ Plant: growth vigour	medium	low	medium
☐ Stem: colour	medium green	medium green	medium green
☒ Stem: surface texture	smooth	smooth	rough
☐ Stem: pubescence	absent	absent	absent
☐ Stipule: size	small	small	small
☐ Stipule: intensity of anthocyanin coloration	absent or very low	absent or very low	absent or very low
☐ Fruit: size	small to medium	small to medium	medium
☐ Fruit: glossiness of the skin	medium	medium	medium
☐ Leaf: green colour of the ventral surface	dark	dark	dark
☐ Leaf: green colour of the dorsal surface	medium	medium	medium
☐ Leaf: shape of apex of the middle lobe	acuminate	acuminate	acuminate
☐ Leaf: shape of base	sub-cordate	cordate	cordate
☐ Leaf: intensity of anthocyanin coloration of the midvein	absent or very low	absent or very low	absent or very low
☐ Flower: presence of anthocyanin on anther filament	weak	weak	strong
☒ Fruit: main colour of skin	reddish purple	purple	reddish purple
☒ Leaf: glossiness of upper side	medium	medium	high
☐ Leaf: presence of hair on the ventral surface	absent	absent	absent
☐ Leaf: presence of hair on the dorsal surface	absent	absent	absent

☐ Petiole: intensity of anthocyanin coloration	absent or very low	absent or very low	absent or very low
☒ Flower: length of pedicel	medium	medium	long
☒ Flower: length of bract	short	short	medium
☒ Flower: length of androgynophore	long	short	long
☐ Flower: diameter of corona (including the filaments)	small to medium	medium	medium
☐ Flower: spots on distal part of corona filaments	absent	absent	absent
☐ Flower: nectaries on bract	present	present	present
☐ Flower: nectaries on sepal	present	present	present
☐ Anther: length	medium (0.5cm to 1.0cm)	medium (0.5cm to 1.0cm)	medium (0.5cm to 1.0cm)
☒ Anther: width	wide (>3.0mm)	medium (1.5mm to 3.0mm)	medium (1.5mm to 3.0mm)
☒ Plant: heterophylly	mixture of one and three lobed	mixture of one and three lobed	predominantly three lobed
☒ Ovary: length	long (>8.0mm)	medium (4.0mm to 8.0mm)	medium (4.0mm to 8.0mm)
☒ Ovary: width	medium (1.5mm to 3.0mm)	narrow (<1.5mm)	medium (1.5mm to 3.0mm)
☒ Flower: presence of anthocyanin coloration on style	weak	weak	strong
☒ Flower: presence of anthocyanin coloration on the androgynophore	weak	weak	absent or very weak
☒ Fruit: volume of pulp (excluding the seeds) per fruit	medium	high	high
☐ Fruit: shape	globose	globose	globose
☐ Fruit: soluble solids in juice	high (13o Brix to 17 o Brix)	high (13o Brix to 17 o Brix)	high (13o Brix to 17 o Brix)
☒ Fruit: free juice	medium	low	high
☐ Stipule: extent of anthocyanin coloration	absent or very small	absent or very small	absent or very small

☒ Flower: width of bract	narrow	medium	medium

Statistical Table

Organ/Plant Part: Context	'OPA4/19'	'Misty Gem'	'OPA3/19'
☐ Leaf: length (mm)			
Mean	133.60	133.00	143.30
Std. Deviation	10.90	15.90	13.90
Lsd/sig	17.13	ns	ns
☐ Leaf: width (mm)			
Mean	138.80	137.40	159.30
Std. Deviation	12.40	15.50	25.30
Lsd/sig	22.54	ns	ns
Means Seperation			
Method Used			
☒ Leaf blade: width of terminal lobe (mm)			
Mean	69.40	58.10	66.90
Std. Deviation	8.30	9.10	7.60
Lsd/sig	8.88	P<=0.01	ns
☐ Petiole: length (mm)			
Mean	27.70	23.80	27.30
Std. Deviation	5.90	3.20	4.20
Lsd/sig	5.91	ns	ns

Prior Applications and Sales: Nill

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

'OPA4/19' 'OPA3/19' 'Misty Gem'

Passiflora hybrid (Passion fruit) variety 'OPA4/19' with comparators 'OPA3/19' and 'Misty Gem'

Details of Application

Application Number	2021/171
Variety Name	OPA5/19
Genus Species	*Passiflora* hybrid
Common Name	Passion fruit
Synonym	
Accepted Date	13 Oct 2021
Applicant	Oz Pash Pty Ltd, Kin Kin, QLD 4571
Agent	
Qualified Person	Ian Paananen

Details of Comparative Trial

Location	Clothiers Creek, NSW
Descriptor	TG/256/1
Period	2022-2023
Conditions	Trial conducted in standard commercial field production conditions within a trial block.
Trial Design	10 plants per variety randomly blocked in standard trellised beds
Measurements	Randomly from 5 plants.
RHS Chart - edition	2015

Origin and Breeding

Controlled pollination: seed parent 'TBC1' x pollen parent 'Tweed Tango' in 2017. The seed parent is characterised by a large fruit size and very dark fruit skin colour. The pollen parent is characterised by a medium to large sized purple with green fruit with medium shape uniformity. Selection took place in Clothiers Creek, NSW in 2019. Selection criteria: Uniformly round fruit with desirable flavour profile on vigorous, disease tolerant plant. Propagation: vegetative cuttings were found to be uniform and stable. Breeders: Tim Johnson, Clothiers Creek, NSW and John McLeod, Dungay, 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

Fruit	diameter of corona of filaments	medium
Flower	spots on distal part of corona filaments	absent
Fruit	glossiness of skin	medium
Flower	presence of anthocyanin on style	medium
Leaf	blistering	present
Fruit	colour of pulp	yellow orange

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'OPA7/19'	
'OPA6/19'	
'Sweetheart'	

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
'OPA3/19'	flowerpresence of anthocyanin on style	medium	strong	
'OPA4/19'	flowerpresence of anthocyanin on style	medium	weak	
'Misty Gem'	flowerpresence of anthocyanin on style	medium	weak	

'Tweed Flamenco'	fruit	colour of skin	purple	variable purple shades	'Tweed Flamenco' also has a smaller fruit size with more conspicuous lenticels

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

Organ/Plant Part: Context	'OPA5/19'	'OPA6/19'	'OPA7/19'	'Sweetheart'
☐ Plant: colour of vine	medium green	medium green	medium green	medium green
☒ Leaf blade: length	medium to long	very long	medium	short to medium
☒ Leaf blade: width	medium to broad	very broad	medium to broad	broad
☒ Leaf blade: width of terminal lobe	medium	very broad	medium to broad	narrow
☐ Leaf blade: depth of sinus	medium	shallow to medium	medium to deep	medium
☐ leaf blade: intensity of green colour	medium	medium	medium	medium
☐ Leaf blade: blistering	present	present	present	present
☒ Leaf blade: degree of blistering	medium	medium	medium	weak
☒ Petiole: length	long	medium	long	very long
☐ Petiole: position of nectaries	adjacent to leaf blade	adjacent to leaf blade	adjacent to leaf blade	adjacent to leaf blade
☒ Flower: length of bract	medium	long	medium	very long
☐ Flower: length of sepal	medium	medium	short to medium	medium
☐ Flower: width of sepal	medium	medium	medium	medium
☒ Flower : length of petal	short	medium	short to medium	medium
☐ Flower: width of petal	narrow to medium	medium	medium	medium
☐ Flower : intensity of colour of spotted ring in throat	medium	medium	medium	medium

☐ Flower : diameter of corona of filaments	medium	medium	medium	medium
☐ Flower: presence of purple rings on corona filaments	present	present	present	present
☐ Flower: width of purple rings on corona filaments	medium	medium	narrow	medium
☐ Flower: intensity of colour of purple rings on corona filaments	medium	medium	medium	medium
☐ Flower : spots on distal part of corona filaments	absent	absent	absent	absent
☒ Fruit: length	medium	long	short to medium	short to medium
☒ Fruit: diameter	medium to large	medium	small to medium	small to medium
☒ Fruit: conspicuousness of lenticels	moderately conspicuous	moderately conspicuous	moderately conspicuous	moderately conspicuous
☒ Fruit: thickness of skin	medium to thick	thin to medium	medium	medium to thick
☐ Fruit: size of seed	small	small	small	small
☒ Fruit: colour of funiculus	pink red	white yellowish	white yellowish	pink red
☐ Fruit: colour of pulp	yellow orange	yellow orange	yellow orange	yellow orange

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'OPA5/19'	'OPA6/19'	'OPA7/19'	'Sweetheart'
☒ Plant: growth vigour	medium	high	very high	high
☐ Stem: colour	medium green	medium green	medium green	medium green
☒ Stem: surface texture	rough	rough	smooth	rough
☐ Stem: pubescence	absent	absent	absent	absent
☐ Stipule: size	small	small	small	small
☒ Stipule: intensity of anthocyanin coloration	low	low	absent or very low	absent or very low

☐ Leaf: glossiness of upper side	high	high	high	high
☐ Leaf: presence of hair on the ventral surface	absent	absent	absent	absent
☐ Leaf: presence of hair on the dorsal surface	absent	absent	absent	absent
☒ Petiole: intensity of anthocyanin coloration	absent or very low	low	medium	absent or very low
☒ Flower: length of pedicel	very long	medium to long	very long	very long
☒ Flower: length of bract	medium	long	medium	very long
☐ Flower: intensity of anthocyanin coloration of bract	absent or very low	absent or very low	absent or very low	medium
☐ Flower: intensity of anthocyanin coloration of pedicel	absent or very low	absent or very low	absent or very low	absent or very low
☒ Flower: length of androgynophore	short	short to medium	short	medium
☐ Flower: diameter of corona (including the filaments)	small to medium	medium	medium	medium
☐ Flower: spots on distal part of corona filaments	absent	absent	absent	absent
☐ Flower: nectaries on bract	present	present	present	present
☐ Flower: nectaries on sepal	present	present	present	present
☒ Flower: length of anther	medium (0.5cm to 1.0cm)	long (>1.0cm)	medium (0.5cm to 1.0cm)	medium (0.5cm to 1.0cm)
☒ Flower: width of anther	medium	wide	medium	medium
☒ Plant: heterophylly	mixture of one and three lobed	predominantly one lobed	predominantly three lobed	predominantly three lobed
☐ Flower: length of ovary	medium	medium	medium	medium
☒ Flower: width of ovary	medium	medium	wide	medium
☐ Flower: presence of anthocyanin coloration on style	medium	medium	medium	medium

☒ Flower: presence of anthocyanin coloration on the androgynophore	absent or very weak	weak	absent or very weak	weak
☒ Fruit: volume of pulp (excluding the seeds) per fruit	medium	very high	high	medium
☒ Fruit: shape	globose	broad ellipsoid	globose	broad ellipsoid
☒ Fruit: soluble solids in juice	very high	high	high	very high
☒ Fruit: free juice	low	very high	high	very low
☒ Flower: width of bract	medium	very broad	broad	medium
☐ Fruit: glossiness of the skin	medium	medium	medium	medium
☒ Stipule: extent of anthocyanin coloration	small	small	absent or very small	absent or very small
☒ Fruit: size	medium to large	medium to large	small to medium	small to medium
☒ Leaf: green colour of the ventral surface	dark	very dark	dark	dark
☐ Leaf: green colour of the dorsal surface	medium	medium	medium	medium
☐ Leaf: shape of apex of the middle lobe	acuminate	acuminate	acuminate	acuminate
☐ Leaf: shape of base	cordate	cordate	cordate	cordate
☒ Leaf: intensity of anthocyanin coloration of the midvein	absent or very low	low	low	absent or very low
☐ Flower: presence of anthocyanin on anther filament	medium	medium	medium	medium
☒ Fruit: main colour of skin	purple	purple	reddish purple	reddish purple

Statistical Table

Organ/Plant Part: Context	**'OPA5/19'**	**'OPA6/19'**	**'OPA7/19'**	**'Sweetheart'**
☐ Leaf: length (mm)				
Mean	138.60	154.60	119.20	133.30
Std. Deviation	14.90	23.50	8.70	15.40

Lsd/sig	17.13	P ≤ 0.01	P≤0.01	ns
☒Leaf: width (mm)				
Mean	153.50	154.30	120.40	147.80
Std. Deviation	18.00	35.10	15.20	11.70
Lsd/sig	22.54	ns	P ≤ 0.01	ns
☒Leaf: width of terminal lobe (mm)				
Mean	65.60	88.10	56.80	64.50
Std. Deviation	4.30	13.80	6.10	8.80
Lsd/sig	8.88	P ≤ 0.01	ns	ns
☒Petiole: length (mm)				
Mean	32.80	29.60	25.40	31.30
Std. Deviation	4.30	6.30	2.30	4.90
Lsd/sig	5.91	ns	P ≤ 0.01	ns

Prior Applications and Sales:

No prior application or sale.

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

'OPA5/19'

'OPA6/19'

'OPA7/19'

'Sweetheart'

Passiflora hybrid (Passion fruit) variety 'OPA5/19' with comparators 'OPA6/19' and 'OPA7/19' and 'Sweetheart'

Details of Application

Application Number	2021/172
Variety Name	'OPA11/19'
Genus Species	*Passiflora hybrid*
Common Name	Passion fruit
Accepted Date	13 Oct 2021
Applicant	Oz Pash Pty Ltd, 9 Kendon Avenue, Murwillumbah, NSW 2484 Australia
Qualified Person	Ian Paananen
Author of Description	

Details of Comparative Trial

Location	Clothiers Creek, NSW
Descriptor	TG/256/1
Period	2022-2023
Conditions	Trial conducted in standard commercial field production conditions within a trial block.
Trial Design	10 plants per variety randomly blocked in standard trellised beds
Measurements	Randomly from 5 plants.
RHS Chart - edition	2015

Origin and Breeding

Controlled pollination: seed parent 'Tweed Flamenco' x pollen parent 'Ruby' in 2017. The seed parent is characterised by a medium size fruit and purple and variable coloured fruit skin. The pollen parent is characterised by medium to large sized dark purple with elliptic shape. Selection took place in Clothiers Creek, NSW in 2019. Selection criteria: uniformly round-elliptic fruit with desirable flavour profile on vigorous, disease tolerant plant and heavy cropping. Propagation: vegetative cuttings were found to be uniform and stable. Breeders: Tim Johnson, Clothiers Creek, NSW and John McLeod, Dungay, 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	blistering	present
Petiole	position of nectaries	adjacent to leaf blade
Fruit	size	large
Fruit	conspicuousness of lenticels	very conspicuous
Plant	heterophylly	predominantly three lobed
Flower	presence of anthocyanin on style	absent or very weak

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Tweed Tango'	
'OPA12/19'	

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
'Tweed Flamenco'	Plant	growth vigour	very high	high	'Tweed Flamenco' also has a more variable skin colour and smaller fruit size
'Misty Gem'	Petiole	position of nectaries	adjacent to the leaf blade	distant from the leaf blade	'Misty Gem' also has a lower plant growth vigour and smaller fruit size
'Sweet Heart'	Flower	presence of anthocyanin on style	absent or very weak	medium	'Sweet Heart' also has a more reddish purple skin colour, low free juice and medium pulp content in the fruit
'OPA3/19'	Flower	presence of anthocyanin on style	absent or very weak	strong	
'OPA4/19'	Flower	presence of anthocyanin on style	absent or very weak	weak	

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

Organ/Plant Part: Context	'OPA11/19'	'OPA12/19'	'Tweed Tango'
☐ Plant: colour of vine	medium green	medium green	medium green
☒ Leaf blade: length	medium to long	long to very long	medium
☒ Leaf blade: width	broad	very broad	broad
☒ Leaf blade: width of terminal lobe	broad	broad to very broad	medium
☒ Leaf blade: depth of sinus	deep	deep	shallow
☐ leaf blade: intensity of green colour	medium	medium	medium
☐ Leaf blade: blistering	present	present	present
☒ Leaf blade: degree of blistering	weak	medium	strong
☒ Petiole: length	long	long to very long	short
☐ Petiole: position of nectaries	adjacent to leaf blade	adjacent to leaf blade	adjacent to leaf blade
☒ Flower: length of bract	medium	very long	medium
☒ Flower: length of sepal	medium to long	medium to long	short to medium
☒ Flower: width of sepal	broad	medium	medium
☐ Flower: length of petal	medium to long	medium	medium
☐ Flower: width of petal	medium	medium	medium
☒ Flower: intensity of colour of spotted ring in throat	medium	dark	medium
☒ Flower: diameter of corona of filaments	medium	large	medium
☐ Flower: presence of purple rings on corona filaments	present	present	present
☐ Flower: width of purple rings on corona filaments	medium	medium	medium
☒ Flower: intensity of colour of purple rings on corona filaments	medium	dark	medium
☐ Flower: spots on distal part of corona filaments	absent	absent	absent

☐ Fruit: length	long	medium to long	medium to long
☐ Fruit: diameter	medium to large	medium to large	medium to large
☐ Fruit: conspicuousness of lenticels	very conspicuous	very conspicuous	very conspicuous
☐ Fruit: thickness of skin	medium to thick	medium to thick	medium
☐ Fruit: size of seed	small	small	small
☒ Fruit: colour of funiculus	white yellowish	white yellowish	pink red
☐ Fruit: colour of pulp	yellow orange	yellow orange	yellow orange

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	**'OPA11/19'**	**'OPA12/19'**	**'Tweed Tango'**
☐ Stem: colour	medium green	medium green	medium green
☒ Stem: surface texture	rough	smooth	rough
☒ Stem: pubescence	present	absent	absent
☐ Stipule: size	small to medium	small	small to medium
☐ Stipule: intensity of anthocyanin coloration	absent or very low	absent or very low	absent or very low
☐ Leaf: glossiness of upper side	medium	medium	medium
☐ Leaf: presence of hair on the ventral surface	absent	absent	absent
☐ Leaf: presence of hair on the dorsal surface	absent	absent	absent
☐ Petiole: intensity of anthocyanin coloration	absent or very low	absent or very low	absent or very low
☒ Flower: length of pedicel	very long	very long	long
☒ Flower: length of bract	medium	very long	medium
☐ Flower: intensity of anthocyanin coloration of bract	absent or very low	absent or very low	absent or very low

☐ Flower: intensity of anthocyanin coloration of pedicel	absent or very low	absent or very low	absent or very low
☐ Flower: length of androgynophore	medium to long	medium	medium to long
☐ Flower: diameter of corona (including the filaments)	medium to large	large	medium
☐ Flower: spots on distal part of corona filaments	absent	absent	absent
☐ Flower: nectaries on bract	present	present	present
☐ Flower: nectaries on sepal	present	present	present
☒ Flower: length of anther	long	long	medium
☒ Flower: width of anther	wide	wide	medium
☐ Plant: heterophylly	predominantly three lobed	predominantly three lobed	predominantly three lobed
☐ Flower: length of ovary	medium	medium	medium
☒ Flower: width of ovary	wide	wide	medium
☐ Flower: presence of anthocyanin coloration on style	absent or very weak	weak	absent or very weak
☒ Flower: presence of anthocyanin coloration on the androgynophore	weak	absent or very weak	absent or very weak
☐ Fruit: volume of pulp (excluding the seeds) per fruit	high	high	high
☒ Fruit: shape	broad ellipsoid	globose	broad ellipsoid
☒ Fruit: soluble solids in juice	high	high	very high
☒ Fruit: free juice	high	high	low
☒ Flower: width of bract	medium	broad	broad
☒ Fruit: glossiness of the skin	medium	medium	medium
☐ Stipule: extent of anthocyanin coloration	absent or very small	absent or very small	absent or very small
☐ Fruit: size	large	large	large

☐ Leaf: green colour of the ventral surface	dark	dark	dark
☐ Leaf: green colour of the dorsal surface	medium	medium	medium
☐ Leaf: shape of apex of the middle lobe	acuminate	acuminate	acuminate
☐ Leaf: shape of base	cordate	cordate	cordate
☐ Leaf: intensity of anthocyanin coloration of the midvein	absent or very low	absent or very low	absent or very low
☐ Flower: presence of anthocyanin on anther filament	medium	medium	medium
☒ Fruit: main colour of skin	purple	reddish purple	purple
☒ Plant: growth vigour	very high	very high	medium

Statistical Table

Organ/Plant Part: Context	**'OPA11/19'**	**'OPA12/19'**	**'Tweed Tango'**
☐ Leaf: length (mm)			
Mean	145.20	128.50	135.20
Std. Deviation	23.60	6.60	19.00
Lsd/sig	17.13	ns	ns
☐ Leaf: width (mm)			
Mean	171.00	155.00	99.90
Std. Deviation	21.40	20.80	16.10
Lsd/sig	22.54	ns	P≤0.01
☐ Leaf: width of terminal lobe (mm)			
Mean	66.80	65.80	63.70
Std. Deviation	9.70	6.00	5.10
Lsd/sig	8.88	ns	ns
☒ Petiole: length (mm)			
Mean	32.20	23.00	20.50
Std. Deviation	5.40	3.10	1.60
Lsd/sig	5.91	P≤0.01	P≤0.01

Prior Applications and Sales:

No prior sale or applications.

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

'OPA11/19' 'OPA12/19' 'Tweed Tango'

Passiflora hybrid (Passion fruit) variety 'OPA11/19' with comparators 'OPA12/19' and 'Tweed Tango'

Details of Application

Application Number	2021/173
Variety Name	'OPA6/19'
Genus Species	*Passiflora hybrid*
Common Name	Passion fruit
Accepted Date	13 Oct 2021
Applicant	Oz Pash Pty Ltd, 9 Kendon Avenue, Murwillumbah, NSW 2484 Australia
Qualified Person	Ian Paananen

Details of Comparative Trial

Location	Clothiers Creek, NSW
Descriptor	TG/256/1
Period	2022-2023
Conditions	Trial conducted in standard commercial field production conditions within a trial block.
Trial Design	10 plants per variety randomly blocked in standard trellised beds
Measurements	Randomly from 5 plants.
RHS Chart - edition	2015

Origin and Breeding

Controlled pollination: seed parent 'TBC1' x pollen parent 'SEAN' in 2017. The seed parent is characterised by a large fruit, a light-medium purple coloured fruit skin and a medium pulp aroma. The pollen parent is characterised by very large sized dark purple with green coloured fruit with variable shape uniformity. Selection took place in Clothiers Creek, NSW in 2019. Selection criteria: uniformly elliptic fruit with desirable flavour profile on vigorous, disease tolerant plant. Propagation: vegetative cuttings were found to be uniform and stable. Breeders: Tim Johnson, Clothiers Creek, NSW and John McLeod, Dungay, 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	blistering	present
Petiole	position of nectaries	adjacent to leaf blade
Flower	presence of anthocyanin on style	medium
Fruit	main colour of skin	reddish purple to purple
Fruit	colour of pulp	yellow orange

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'OPA5/19'	
'OPA7/19'	
'Sweetheart'	

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
'Tweed Flamenco'	Flower	presence of anthocyanin on style	medium	weak	'Tweed Flamenco' also has lower plant growth vigour, a more variable skin colour and smaller and shorter fruit length
'Misty Gem'	Petiole	position of nectaries	adjacent to the leaf blade	distant from the leaf blade	'Misty Gem' also has a globose fruit shape and lower plant growth vigour
'OPA3/19'	Flower	presence of anthocyanin on style	medium	strong	

'OPA4/19'	Flower	presence of anthocyanin on style	medium	weak

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

Organ/Plant Part: Context	'OPA6/19'	'OPA5/19'	'OPA7/19'	'Sweetheart'
☐ Plant: colour of vine	medium green	medium green	medium green	medium green
☒ Leaf blade: length	very long	medium to long	medium	short to medium
☒ Leaf blade: width	very broad	medium to broad	medium to broad	broad
☒ Leaf blade: width of terminal lobe	broad to very broad	medium	medium to broad	narrow
☒ Leaf blade: depth of sinus	shallow to medium	medium	medium to deep	medium
☐ leaf blade: intensity of green colour	medium	medium	medium	medium
☐ Leaf blade: blistering	present	present	present	present
☐ Leaf blade: degree of blistering	medium	medium	medium	weak
☒ Petiole: length	medium	long	long	very long
☐ Petiole: position of nectaries	adjacent to leaf blade	adjacent to leaf blade	adjacent to leaf blade	adjacent to leaf blade
☒ Flower: length of bract	long	medium	medium	very long
☐ Flower: length of sepal	medium	medium	short to medium	medium
☐ Flower: width of sepal	medium	medium	medium	medium
☒ Flower: length of petal	medium	short	short to medium	medium
☐ Flower: width of petal	medium	narrow to medium	medium	medium
☐ Flower: intensity of colour of spotted ring in throat	medium	medium	medium	medium

☐ Flower: diameter of corona of filaments	medium	medium	medium	medium
☐ Flower: presence of purple rings on corona filaments	present	present	present	present
☒ Flower: width of purple rings on corona filaments	medium	medium	narrow	medium
☐ Flower: intensity of colour of purple rings on corona filaments	medium	medium	medium	medium
☐ Flower: spots on distal part of corona filaments	absent	absent	absent	absent
☒ Fruit: length	long	medium	short to medium	short to medium
☐ Fruit: diameter	medium	medium to large	small to medium	small to medium
☐ Fruit: conspicuousness of lenticels	moderately conspicuous	moderately conspicuous	moderately conspicuous	moderately conspicuous
☒ Fruit: thickness of skin	thin to medium	medium to thick	medium	medium to thick
☐ Fruit: size of seed	small	small	small	small
☒ Fruit: colour of funiculus	white yellowish	pink red	white yellowish	pink red
☐ Fruit: colour of pulp	yellow orange	yellow orange	yellow orange	yellow orange

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	**'OPA6/19'**	**'OPA5/19'**	**'OPA7/19'**	**'Sweetheart'**
☒ Plant: growth vigour	high	medium	very high	high
☐ Stem: colour	medium green	medium green	medium green	medium green
☒ Stem: surface texture	rough	rough	smooth	rough
☐ Stem: pubescence	absent	absent	absent	absent
☐ Stipule: size	very small to small	small	small	small
☒ Stipule: intensity of anthocyanin coloration	low	low	absent or very low	absent or very low
☐ Leaf: glossiness of upper side	high	high	high	high

☐ Leaf: presence of hair on the ventral surface	absent	absent	absent	absent
☐ Leaf: presence of hair on the dorsal surface	absent	absent	absent	absent
☐ Petiole: intensity of anthocyanin coloration	low	absent or very low	medium	absent or very low
☒ Flower: length of pedicel	medium to long	very long	very long	very long
☒ Flower: length of bract	long	medium	medium	very long
☒ Flower: intensity of anthocyanin coloration of bract	absent or very low	absent or very low	absent or very low	medium
☐ Flower: intensity of anthocyanin coloration of pedicel	absent or very low	absent or very low	absent or very low	absent or very low
☐ Flower: length of androgynophore	short to medium	short	short	medium
☐ Flower: diameter of corona (including the filaments)	medium	medium	medium	small to medium
☐ Flower: spots on distal part of corona filaments	absent	absent	absent	absent
☐ Flower: nectaries on bract	present	present	present	present
☐ Flower: nectaries on sepal	present	present	present	present
☒ Flower: length of anther	long	medium	medium	medium
☒ Flower: width of anther	wide	medium	medium	medium
☒ Plant: heterophylly	predominantly one lobed	mixture of one and three lobed	predominantly three lobed	predominantly three lobed
☐ Flower: length of ovary	medium	medium	medium	medium
☒ Flower: width of ovary	medium	medium	wide	medium
☐ Flower: presence of anthocyanin coloration on style	medium	medium	medium	medium
☒ Flower: presence of anthocyanin coloration on the androgynophore	weak	absent or very weak	absent or very weak	weak

☒ Fruit: volume of pulp (excluding the seeds) per fruit	very high	medium	high	medium
☒ Fruit: shape	broad ellipsoid	globose	globose	broad ellipsoid
☒ Fruit: soluble solids in juice	high	very high	high	very high
☒ Fruit: free juice	very high	low	high	very low
☒ Flower: width of bract	very broad	medium	broad	medium
☐ Fruit: glossiness of the skin	medium	medium	medium	medium
☒ Stipule: extent of anthocyanin coloration	small	small	absent or very small	absent or very small
☒ Fruit: size	medium to large	medium to large	small to medium	small to medium
☒ Leaf: green colour of the ventral surface	very dark	dark	dark	dark
☐ Leaf: green colour of the dorsal surface	medium	medium	medium	medium
☐ Leaf: shape of apex of the middle lobe	acuminate	acuminate	acuminate	acuminate
☐ Leaf: shape of base	cordate	cordate	cordate	cordate
☒ Leaf: intensity of anthocyanin coloration of the midvein	low	absent or very low	low	absent or very low
☐ Flower: presence of anthocyanin on anther filament	medium	medium	medium	medium
☒ Fruit: main colour of skin	purple	purple	reddish purple	reddish purple

Statistical Table

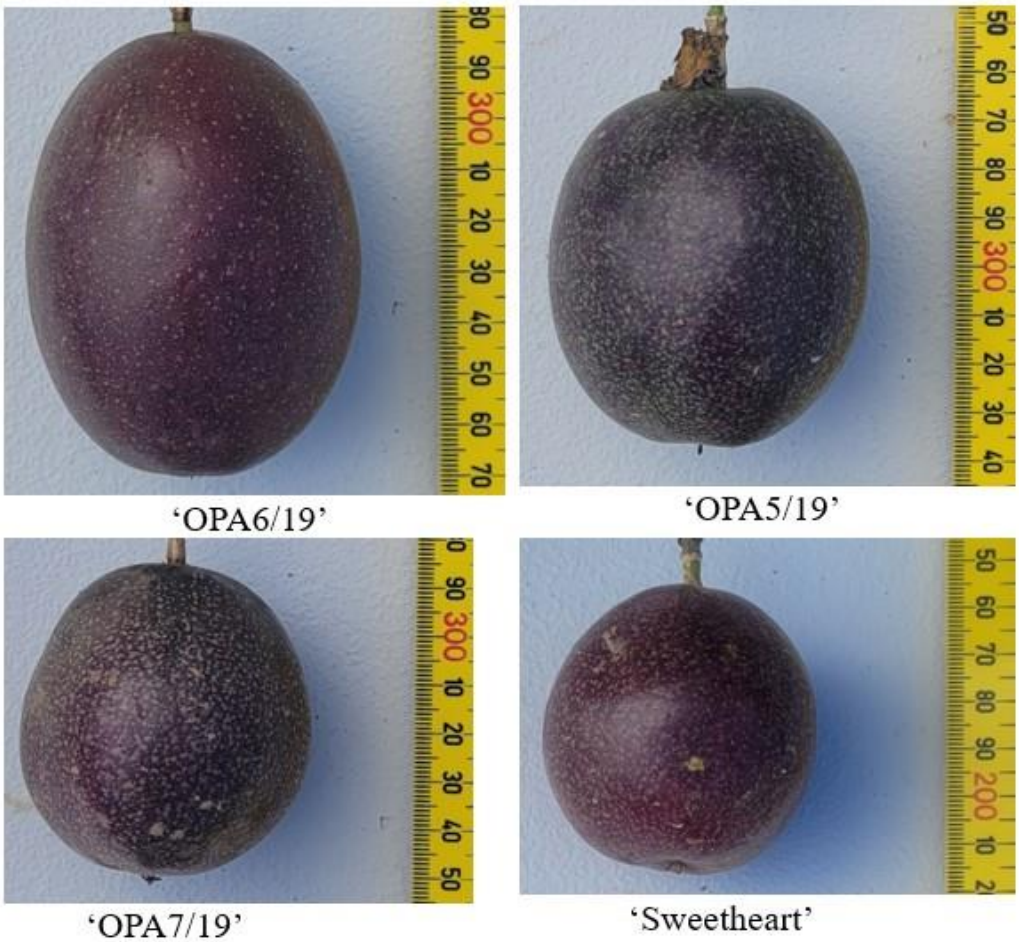
Organ/Plant Part: Context	**'OPA6/19'**	**'OPA5/19'**	**'OPA7/19'**	**'Sweetheart'**
☒ Leaf: length (mm)				
Mean	154.60	138.60	119.20	133.30
Std. Deviation	23.50	14.90	8.70	15.40
Lsd/sig	17.13	P≤0.01	P≤0.01	P≤0.01
☒ Leaf: width (mm)				

Mean	154.30	153.50	120.40	147.80
Std. Deviation	35.10	18.00	15.20	11.70
Lsd/sig	22.54	ns	P≤0.01	ns
☒ Leaf: width of terminal lobe (mm)				
Mean	88.10	65.60	56.80	64.50
Std. Deviation	13.80	4.30	6.10	8.80
Lsd/sig	8.88	P≤0.01	P≤0.01	P≤0.01
☐ Petiole: length (mm)				
Mean	29.60	32.80	25.40	31.30
Std. Deviation	6.30	4.30	2.30	4.90
Lsd/sig	5.91	ns	ns	ns

Prior Applications and Sales:

Nil

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



Passiflora hybrid (Passion fruit) variety 'OPA6/19' with comparators 'OPA5/19', 'OPA7/19' and 'Sweetheart'

Details of Application

Application Number	2021/174
Variety Name	'OPA12/19'
Genus Species	*Passiflora hybrid*
Common Name	Passion fruit
Accepted Date	08 Oct 2021
Applicant	Oz Pash Pty Ltd, 9 Kendon Avenue, Murwillumbah, NSW 2484 Australia
Qualified Person	Ian Paananen

Details of Comparative Trial

Location	Clothiers Creek, NSW
Descriptor	TG/256/1
Period	2022-2023
Conditions	Trial conducted in standard commercial field production conditions within a trial block.
Trial Design	10 plants per variety randomly blocked in standard trellised beds
Measurements	Randomly from 5 plants.
RHS Chart - edition	2015

Origin and Breeding

Controlled pollination: seed parent 'Tweed Flamenco' x pollen parent 'Ruby' in 2017. The seed parent is characterised by a medium size fruit and purple and variable coloured fruit skin. The pollen parent is characterised by medium to large sized dark purple with elliptic shape. Selection took place in Clothiers Creek, NSW in 2019. Selection criteria: uniformly round-elliptic fruit with desirable flavour profile on vigorous, disease tolerant plant and heavy cropping. Propagation: vegetative cuttings were found to be uniform and stable. Breeders: Tim Johnson, Clothiers Creek, NSW and John McLeod, Dungay, 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	heterophylly	predominantly three lobed
Leaf	blistering	present

Petiole	position of nectaries	adjacent to leaf blade
Fruit	diameter	medium to large
Fruit	colour of pulp	yellow orange
Fruit	volume of pulp	high

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Tweed Tango'	
'OPA11/19'	

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
'Misty Gem'	Petiole	position of nectaries	adjacent to the leaf blade	distant from the leaf blade	'Misty Gem' also has a lower plant growth vigour and smaller fruit size
'Tweed Flamenco'	Plant	growth vigour	very high	high	'Tweed Flamenco' also has a more variable skin colour and smaller fruit size
'Sweetheart'	Flower	presence of anthocyanin on style	absent or very weak	medium	'Sweetheart' also has low free juice and medium pulp content in the fruit
'OPA4/19'	Plant	heterophylly	predominantly three lobed	mixture of one and three lobed	'OPA4/19' also has a lower pulp content and a smaller fruit size
'OPA3/19'	Flower	presence of anthocyanin on style	weak	strong	

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

Organ/Plant Part: Context	'OPA12/19'	'OPA11/19'	'Tweed Tango'

☐ Plant: colour of vine	medium green	medium green	medium green
☒ Leaf blade: length	long to very long	medium to long	medium
☒ Leaf blade: width	very broad	broad	broad
☒ Leaf blade: width of terminal lobe	broad to very broad	broad	medium
☒ Leaf blade: depth of sinus	deep	deep	shallow
☐ leaf blade: intensity of green colour	medium	medium	medium
☐ Leaf blade: blistering	present	present	present
☒ Leaf blade: degree of blistering	medium	weak	strong
☒ Petiole: length	long to very long	long	short
☐ Petiole: position of nectaries	adjacent to leaf blade	adjacent to leaf blade	adjacent to leaf blade
☒ Flower: length of bract	very long	medium	short to medium
☒ Flower: length of sepal	medium to long	medium to long	short to medium
☒ Flower: width of sepal	medium	broad	medium
☐ Flower: length of petal	medium	medium to long	medium
☐ Flower: width of petal	medium	medium	medium
☒ Flower: intensity of colour of spotted ring in throat	dark	medium	medium
☒ Flower: diameter of corona of filaments	large	medium	medium
☐ Flower: presence of purple rings on corona filaments	present	present	present
☐ Flower: width of purple rings on corona filaments	medium	medium	medium
☒ Flower: intensity of colour of purple rings on corona filaments	dark	medium	medium
☐ Flower: spots on distal part of corona filaments	absent	absent	absent

☐ Fruit: length	medium to long	long	medium to long
☐ Fruit: diameter	medium to large	medium to large	medium to large
☐ Fruit: conspicuousness of lenticels	very conspicuous	very conspicuous	very conspicuous
☐ Fruit: thickness of skin	medium to thick	medium to thick	medium
☐ Fruit: size of seed	small	small	small
☒ Fruit: colour of funiculus	white yellowish	white yellowish	pink red
☐ Fruit: colour of pulp	yellow orange	yellow orange	yellow orange

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	**'OPA12/19'**	**'OPA11/19'**	**'Tweed Tango'**
☒ Plant: growth vigour	very high	very high	medium
☐ Stem: colour	medium green	medium green	medium green
☒ Stem: surface texture	smooth	rough	rough
☒ Stem: pubescence	absent	present	absent
☐ Stipule: size	small	small to medium	small to medium
☐ Stipule: intensity of anthocyanin coloration	absent or very low	absent or very low	absent or very low
☐ Leaf: glossiness of upper side	medium	medium	medium
☐ Leaf: presence of hair on the ventral surface	absent	absent	absent
☐ Leaf: presence of hair on the dorsal surface	absent	absent	absent
☐ Petiole: intensity of anthocyanin coloration	absent or very low	absent or very low	absent or very low
☒ Flower: length of pedicel	very long	very long	long
☒ Flower: length of bract	very long	short to medium	medium

☐ Flower: intensity of anthocyanin coloration of bract	absent or very low	absent or very low	absent or very low
☐ Flower: intensity of anthocyanin coloration of pedicel	absent or very low	absent or very low	absent or very low
☐ Flower: length of androgynophore	medium	medium to long	medium to long
☒ Flower: diameter of corona (including the filaments)	large	medium to large	medium
☐ Flower: spots on distal part of corona filaments	absent	absent	absent
☐ Flower: nectaries on bract	present	present	present
☐ Flower: nectaries on sepal	present	present	present
☒ Flower: length of anther	long	long	medium
☒ Flower: width of anther	wide	wide	medium
☐ Plant: heterophylly	predominantly three lobed	predominantly three lobed	predominantly three lobed
☐ Flower: length of ovary	medium	medium	medium
☒ Flower: width of ovary	wide	wide	medium
☒ Flower: presence of anthocyanin coloration on style	weak	absent or very weak	absent or very weak
☐ Flower: presence of anthocyanin coloration on the androgynophore	absent or very weak	weak	absent or very weak
☐ Fruit: volume of pulp (excluding the seeds) per fruit	high	high	high
☒ Fruit: shape	globose	broad ellipsoid	broad ellipsoid
☒ Fruit: soluble solids in juice	high	high	very high
☒ Fruit: free juice	high	high	low
☒ Flower: width of bract	broad	medium	broad
☐ Fruit: glossiness of the skin	medium	medium	medium
☐ Stipule: extent of anthocyanin coloration	absent or very small	absent or very small	absent or very small

☐ Fruit: size	large	medium to large	large
☐ Leaf: green colour of the ventral surface	dark	dark	dark
☐ Leaf: green colour of the dorsal surface	medium	medium	medium
☐ Leaf: shape of apex of the middle lobe	acuminate	acuminate	acuminate
☐ Leaf: shape of base	cordate	cordate	cordate
☐ Leaf: intensity of anthocyanin coloration of the midvein	absent or very low	absent or very low	absent or very low
☐ Flower: presence of anthocyanin on anther filament	medium	medium	medium
☒ Fruit: main colour of skin	reddish purple	purple	purple

Statistical Table

Organ/Plant Part: Context	**'OPA12/19'**	**'OPA11/19'**	**'Tweed Tango'**
☐ Leaf: length (mm)			
Mean	128.50	145.20	135.20
Std. Deviation	6.60	23.60	19.00
Lsd/sig	17.13	ns	ns
☐ Leaf: width (mm)			
Mean	155.00	171.00	99.90
Std. Deviation	20.80	21.40	16.10
Lsd/sig	22.54	ns	P≤0.01
☐ Leaf: width of terminal lobe (mm)			
Mean	65.80	66.80	63.70
Std. Deviation	6.00	9.70	5.10
Lsd/sig	8.88	ns	ns
☒ Petiole: length (mm)			
Mean	23.00 3.1	32.20 3.1	20.50 3.1
Std. Deviation	5.91 3.1	5.40 3.1	1.60 3.1
Lsd/sig		P≤0.01	ns

Prior Applications and Sales:

Nil

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

'OPA12/19' 'OPA11/19' 'Tweed Tango'

Passiflora hybrid (Passion fruit) variety 'OPA12/19' with comparators 'OPA11/19' and 'Tweed Tango'

Details of Application

Application Number	2021/175
Variety Name	OPA7/19
Genus Species	*Passiflora hybrid*
Common Name	Passion fruit
Accepted Date	08 Oct 2021
Applicant	Oz Pash Pty Ltd, 9 Kendon Avenue, Murwillumbah, NSW 2484 Australia
Qualified Person	Ian Paananen

Details of Comparative Trial

Location	Clothiers Creek, NSW
Descriptor	TG/256/1
Period	2022-2023
Conditions	Trial conducted in standard commercial field production conditions within a trial block.
Trial Design	10 plants per variety randomly blocked in standard trellised beds
Measurements	Randomly from 5 plants.
RHS Chart - edition	2015

Origin and Breeding

Controlled pollination: seed parent 'Sweetheart' x pollen parent 'Tweed Tango' in 2017. The seed parent is characterised by a small to medium sized fruit, a dark purple coloured fruit skin and elliptic fruit shape. The pollen parent is characterised by very large sized dark purple with green coloured fruit with variable shape uniformity. Selection took place in Clothiers Creek, NSW in 2019. Selection criteria: uniformly round-elliptic fruit with desirable flavour profile on vigorous, disease tolerant plant. Propagation: vegetative cuttings were found to be uniform and stable. Breeders: Tim Johnson, Clothiers Creek, NSW and John McLeod, Dungay, 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	blistering	present
Fruit	conspicuousness of lenticels	moderately conspicuous
Fruit	colour of pulp	yellow orange
Flower	presence of anthocyanin on style	medium
Fruit	main colour of skin	reddish purple to purple
Petiole	position of nectaries	adjacent to leaf blade

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'OPA5/19'	
'OPA6/19'	
'Sweetheart'	

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
'Tweed Flamenco'	Flower	presence of anthocyanin on style	medium	weak	'Tweed Flamenco' also has lower plant growth vigour and a more variable skin colour
'Misty Gem'	Petiole	position of nectaries	adjacent to the leaf blade	distant from the leaf blade	'Misty Gem' also has a lower plant growth vigour
'Tweed Tango'	Fruit	colour of skin	reddish purple	purple and variable	
'Sweetheart'	Fruit	colour of skin	reddish purple	dark purple	'Sweetheart' also has low free juice and medium pulp content in the fruit
'OPA3/19'	Flower	presence of anthocyanin on style	medium	strong	
'OPA4/19'	Flower	presence of anthocyanin on style	medium	weak	

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

Organ/Plant Part: Context	OPA7/19	'OPA5/19'	'OPA6/19'	'Sweetheart'
☐ Plant: colour of vine	medium green	medium green	medium green	medium green
☒ Leaf blade: length	medium	medium to long	very long	short to medium
☒ Leaf blade: width	medium to broad	medium to broad	very broad	broad
☒ Leaf blade: width of terminal lobe	medium to broad	medium	broad to very broad	narrow
☒ Leaf blade: depth of sinus	medium to deep	medium	shallow to medium	medium
☐ leaf blade: intensity of green colour	medium	light to medium	medium	medium
☐ Leaf blade: blistering	present	present	present	present
☒ Leaf blade: degree of blistering	medium	medium	medium	weak
☒ Petiole: length	long	long	medium	very long
☐ Petiole: position of nectaries	adjacent to leaf blade	adjacent to leaf blade	adjacent to leaf blade	adjacent to leaf blade
☒ Flower: length of bract	medium	medium	long	very long
☐ Flower: length of sepal	short to medium	short to medium	medium	medium
☐ Flower: width of sepal	medium	medium	medium	medium
☐ Flower: length of petal	short to medium	short	medium	medium
☐ Flower: width of petal	medium	narrow to medium	medium	medium
☐ Flower: intensity of colour of spotted ring in throat	medium	medium	medium	medium
☐ Flower: diameter of corona of filaments	medium	medium	medium	medium
☐ Flower: presence of purple rings on corona filaments	present	present	present	present

☒ Flower: width of purple rings on corona filaments	narrow	medium	medium	medium
☐ Flower: intensity of colour of purple rings on corona filaments	medium	medium	medium	medium
☐ Flower: spots on distal part of corona filaments	absent	absent	absent	absent
☒ Fruit: length	short to medium	medium	long	short to medium
☒ Fruit: diameter	small to medium	medium to large	medium	small to medium
☐ Fruit: conspicuousness of lenticels	moderately conspicuous	moderately conspicuous	moderately conspicuous	moderately conspicuous
☐ Fruit: thickness of skin	medium	medium to thick	thin to medium	medium to thick
☐ Fruit: size of seed	small	small	small	small
☒ Fruit: colour of funiculus	white yellowish	pink red	white yellowish	pink red
☐ Fruit: colour of pulp	yellow orange	yellow orange	yellow orange	yellow orange

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	OPA7/19	'OPA5/19'	'OPA6/19'	'Sweetheart'
☒ Plant: growth vigour	very high	medium	high	high
☐ Stem: colour	medium green	medium green	medium green	medium green
☒ Stem: surface texture	smooth	rough	rough	rough
☐ Stem: pubescence	absent	absent	absent	absent
☐ Stipule: size	small	small	very small to small	small
☒ Stipule: intensity of anthocyanin coloration	absent or very low	low	low	absent or very low
☐ Leaf: glossiness of upper side	high	high	high	high
☐ Leaf: presence of hair on the ventral surface	absent	absent	absent	absent

☐ Leaf: presence of hair on the dorsal surface	absent	absent	absent	absent
☒ Petiole: intensity of anthocyanin coloration	medium	absent or very low	low	absent or very low
☐ Flower: length of pedicel	very long	very long	medium to long	very long
☒ Flower: length of bract	medium	medium	long	very long
☐ Flower: intensity of anthocyanin coloration of bract	absent or very low	absent or very low	absent or very low	medium
☐ Flower: intensity of anthocyanin coloration of pedicel	absent or very low	absent or very low	absent or very low	absent or very low
☒ Flower: length of androgynophore	short	short	short to medium	medium
☐ Flower: diameter of corona (including the filaments)	medium	medium	medium	small to medium
☐ Flower: spots on distal part of corona filaments	absent	absent	absent	absent
☐ Flower: nectaries on bract	present	present	present	present
☐ Flower: nectaries on sepal	present	present	present	present
☒ Flower: length of anther	medium	medium	long	medium
☒ Flower: width of anther	medium	medium	wide	medium
☒ Plant: heterophylly	predominantly three lobed	mixture of one and three lobed	predominantly one lobed	predominantly three lobed
☐ Flower: length of ovary	medium	medium	medium	medium
☒ Flower: width of ovary	wide	medium	medium	medium
☐ Flower: presence of anthocyanin coloration on style	medium	medium	medium	medium
☒ Flower: presence of anthocyanin coloration on the androgynophore	absent or very weak	absent or very weak	weak	weak
☒ Fruit: volume of pulp (excluding the seeds) per fruit	high	medium	very high	medium

☒ Fruit: shape	globose	globose	broad ellipsoid	broad ellipsoid
☒ Fruit: soluble solids in juice	high	very high	high	very high
☒ Fruit: free juice	high	medium	very high	very low
☒ Flower: width of bract	broad	medium	very broad	medium
☐ Fruit: glossiness of the skin	medium	medium	medium	medium
☒ Stipule: extent of anthocyanin coloration	absent or very small	small	small	absent or very small
☒ Fruit: size	small to medium	medium to large	medium to large	small to medium
☒ Leaf: green colour of the ventral surface	dark	dark	very dark	dark
☐ Leaf: green colour of the dorsal surface	medium	medium	medium	medium
☐ Leaf: shape of apex of the middle lobe	acuminate	acuminate	acuminate	acuminate
☐ Leaf: shape of base	cordate	cordate	cordate	cordate
☒ Leaf: intensity of anthocyanin coloration of the midvein	low	absent or very low	low	absent or very low
☐ Flower: presence of anthocyanin on anther filament	medium	medium	medium	medium
☒ Fruit: main colour of skin	reddish purple	purple	purple	reddish purple

Statistical Table

Organ/Plant Part: Context	**OPA7/19**	**'OPA5/19'**	**'OPA6/19'**	**'Sweetheart'**
☒ Leaf: length (mm)				
Mean	119.20	138.60	154.60	133.30
Std. Deviation	8.70	14.90	23.50	15.40
Lsd/sig	17.13	P≤0.01	P≤0.01	ns
☒ Leaf: width (mm)				
Mean	120.40	153.50	154.30	147.80
Std. Deviation	15.20	18.00	35.10	11.70

Lsd/sig	22.54	P≤0.01	P≤0.01	P≤0.01
☒ Leaf: width of terminal lobe (mm)				
Mean	56.80	65.60	88.10	64.50
Std. Deviation	6.10	4.30	13.80	8.80
Lsd/sig	8.88	ns	P≤0.01	ns
☒ Petiole: length (mm)				
Mean	25.40	32.80	29.60	31.30
Std. Deviation	2.30	4.30	6.30	4.90
Lsd/sig	5.91	P≤0.01	ns	ns

Prior Applications and Sales:

Nil

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

'OPA7/19'

'OPA5/19'

'OPA6/19'

'Sweetheart'

Passiflora hybrid (Passion fruit) variety 'OPA7/19' with comparators 'OPA5/19', 'OPA6/19' and 'Sweetheart'

Details of Application

Application Number	2021/176
Variety Name	OPA3/19
Genus Species	*Passiflora* hybrid
Common Name	Passion fruit
Synonym	
Accepted Date	08 Oct 2021
Applicant	Oz Pash Pty Ltd, Kin Kin, QLD 4571
Qualified Person	Ian Paananen

Details of Comparative Trial

Location	Clothiers Creek, NSW
Descriptor	TG/256/2
Period	2022-2023
Conditions	Trial conducted in standard commercial field production conditions within a trial block.
Trial Design	10 plants per variety randomly blocked in standard trellised beds
Measurements	Randomly from 5 plants.
RHS Chart - edition	2015

Origin and Breeding

Controlled pollination: seed parent 'TBC1' x pollen parent 'Tango#3' in 2017. The seed parent is characterised by a large fruit size and and very dark fruit skin colour. The pollen parent is characterised by small to medium sized vivid purple fruit with medium shape uniformity. Selection took place in Clothiers Creek, NSW in 2019. Selection criteria: Uniformly round fruit with desirable flavour profile on vigorous, disease tolerant plant. Propagation: vegetative cuttings were found to be uniform and stable. Breeders: Tim Johnson, Clothiers Creek, NSW and John McLeod, Dungay, 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
Fruit	diameter	medium
Fruit	shape	globose

Fruit	main colour of skin	reddish purple to purple
Fruit	colour of pulp	yellow orange
Fruit	conspicuousness of lenticels	very conspicuous

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Misty Gem'	
'OPA4/19'	

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
'Tweed Flamenco'	fruit shape	globose	broad ellipsoid	'Tweed Flamenco' also has a more variable purple fruit skin colour and low amount of free juice
'Sweet Heart'	fruit shape	globose	broad ellipsoid	'Sweetheart' also has a darker coloured purpling of fruit skin
'Regina'	fruit shape	globose	broad ellipsoid	'Regina' also has a lighter coloured purpling of fruit skin
'Tweed Tango'	fruit shape	globose	broad ellipsoid	'Tweed Tango' also has a yellower pulp colour and purple fruit skin with some 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	'OPA3/19'	'Misty Gem'	'OPA4/19'
☐ Plant: colour of vine	medium green	medium green	medium green
☒ Leaf blade: length	long	medium	long
☒ Leaf blade: width	broad to very broad	medium	broad to very broad
☒ Leaf blade: width of terminal lobe	broad to very broad	medium	broad
☒ Leaf blade: depth of sinus	medium to deep	deep	shallow to medium

☒ leaf blade: intensity of green colour	light	medium	medium
☐ Leaf blade: blistering	present	present	present
☒ Leaf blade: degree of blistering	strong	medium	strong
☐ Petiole: length	medium	short to medium	medium to long
☒ Petiole: position of nectaries	adjacent to leaf blade	distant from leaf blade	adjacent to leaf blade
☒ Flower: length of bract	medium	short	short
☐ Flower: length of sepal	medium	medium	medium
☐ Flower: width of sepal	medium	medium	medium
☐ Flower : length of petal	medium	medium	medium
☐ Flower: width of petal	narrow	narrow	narrow to medium
☒ Flower : intensity of colour of spotted ring in throat	medium	absent or light	medium
☐ Flower : diameter of corona of filaments	medium	medium	medium
☐ Flower: presence of purple rings on corona filaments	present	present	present
☐ Flower: width of purple rings on corona filaments	narrow to medium	narrow to medium	narrow to medium
☐ Flower: intensity of colour of purple rings on corona filaments	medium	medium	medium
☐ Flower : spots on distal part of corona filaments	absent	absent	absent
☐ Fruit: length	medium	short to medium	short to medium
☐ Fruit: diameter	medium	small to medium	medium
☐ Fruit: conspicuousness of lenticels	very conspicuous	very conspicuous	very conspicuous
☐ Fruit: thickness of skin	medium to thick	thick	medium to thick

☐ Fruit: size of seed	small	small	small
☒ Fruit: colour of funiculus	white yellowish	pink red	white yellowish
☐ Fruit: colour of pulp	yellow orange	yellow orange	yellow orange

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	**'OPA3/19'**	**'Misty Gem'**	**'OPA4/19'**
☐ Plant: growth vigour	medium		medium
☐ Stem: colour	medium green	medium green	medium green
☒ Stem: surface texture	rough	smooth	smooth
☐ Stem: pubescence	absent	absent	absent
☐ Stipule: size	small	small	small
☐ Stipule: intensity of anthocyanin coloration	absent or very low	absent or very low	absent or very low
☒ Leaf: glossiness of upper side	high	medium	medium
☐ Leaf: presence of hair on the ventral surface	absent	absent	absent
☐ Leaf: presence of hair on the dorsal surface	absent	absent	absent
☐ Petiole: intensity of anthocyanin coloration	absent or very low	absent or very low	absent or very low
☒ Flower: length of pedicel	long	medium	medium
☒ Flower: length of bract	medium	short	short
☒ Flower: length of androgynophore	long	short	long
☐ Flower: diameter of corona (including the filaments)	medium	medium	small to medium
☐ Flower: spots on distal part of corona filaments	absent	absent	absent

☐ Flower: nectaries on bract	present	present	present
☐ Flower: nectaries on sepal	present	present	present
☐ Flower: length of anther	medium	medium	medium
☒ Flower: width of anther	medium	medium	wide
☐ Plant: heterophylly	predominantly three lobed	mixture of one and three lobed	mixture of one and three lobed
☒ Flower: length of ovary	medium	medium	long
☒ Flower: width of ovary	medium	narrow	medium
☒ Flower: presence of anthocyanin coloration on style	strong	weak	weak
☒ Flower: presence of anthocyanin coloration on the androgynophore	absent or very weak	weak	weak
☒ Fruit: volume of pulp (excluding the seeds) per fruit	high	high	medium
☐ Fruit: shape	globose	globose	globose
☐ Fruit: soluble solids in juice	high	high	high
☒ Fruit: free juice	high	high	medium
☒ Flower: width of bract	medium	medium	narrow
☐ Fruit: glossiness of the skin	medium	medium	medium
☒ Stipule: extent of anthocyanin coloration	small	absent or very small	absent or very small
☐ Fruit: size	medium	medium	small to medium
☐ Leaf: green colour of the ventral surface	dark	dark	dark
☐ Leaf: green colour of the dorsal surface	medium	medium	medium
☐ Leaf: shape of apex of the middle lobe	acuminate	acuminate	acuminate
☐ Leaf: shape of base	cordate	cordate	sub-cordate
☐ Leaf: intensity of anthocyanin coloration of the midvein	absent or very low	absent or very low	absent or very low

☒ Flower: presence of anthocyanin on anther filament	strong	weak	weak
☐ Fruit: main colour of skin	reddish purple	purple	reddish purple

Statistical Table

Organ/Plant Part: Context	**'OPA3/19'**	**'Misty Gem'**	**'OPA4/19'**
☐ Leaf: length			
Mean	143.30	133.00	133.60
Std. Deviation	13.90	15.90	10.90
Lsd/sig	17.13	ns	ns
☐ Leaf: width			
Mean	159.30	137.40	138.80
Std. Deviation	25.30	15.50	12.40
Lsd/sig	22.54	ns	ns
☒ Leaf blade: width of terminal lobe			
Mean	66.90	58.10	69.40
Std. Deviation	7.60	9.10	8.30
Lsd/sig	8.88	P≤0.01	ns
☐ Petiole: length			
Mean	27.30	23.80	27.70
Std. Deviation	4.20	3.20	5.90
Lsd/sig	5.91	ns	ns

Prior Applications and Sales:

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

‘OPA3/19’ ‘OPA4/19’ ‘Misty Gem’

Passiflora hybrid (Passion fruit) variety ‘OPA3/19’ with comparators ‘OPA4/19’ and ‘Misty Gem’

Details of Application

Application Number	2021/177
Variety Name	'OPA13/19'
Genus Species	*Passiflora hybrid*
Common Name	Passion fruit
Accepted Date	08 Oct 2021
Applicant	Oz Pash Pty Ltd, Kin Kin, QLD4571
Qualified Person	Ian Paananen

Details of Comparative Trial

Location	Clothiers Creek, NSW
Descriptor	TG/256/1
Period	2022-2023
Conditions	Trial conducted in standard commercial field production conditions within a trial block.
Trial Design	10 plants per variety randomly blocked in standard trellised beds
Measurements	Randomly from 5 plants.
RHS Chart - edition	2015

Origin and Breeding

Controlled pollination: seed parent 'TBC1' x pollen parent 'Sweetheart' in 2017. The seed parent is characterised by a large size fruit and very dark purple coloured fruit skin. The pollen parent is characterised by small to medium sized dark purple fruit with elliptic shape. Selection took place in Clothiers Creek, NSW in 2019. Selection criteria: uniformly elliptic fruit with desirable flavour profile on vigorous, disease tolerant plant and early time of cropping peaks. Propagation: vegetative cuttings were found to be uniform and stable. Breeders: Tim Johnson, Clothiers Creek, NSW and John McLeod, Dungay, 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	heterophylly	predominantly three lobed
Leaf	blistering	present

Petiole	position of nectaries	adjacent to leaf blade
Fruit	colour of pulp	yellow orange
Fruit	shape	broad ellipsoid
Fruit	main colour of skin	purple
Flower	presence of anthocyanin on style	very weak to weak

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Tweed Flamenco'	
'Tweed Tango'	

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
'Sweetheart'	Flower	presence of anthocyanin on style	weak	medium	medium 'Sweetheart' also has a more reddish purple skin colour, low free juice and medium pulp content in the fruit
'Misty Gem'	Petiole	position of nectaries	adjacent to the leaf blade	distant from the leaf blade	'Misty Gem' also has a lower plant growth vigour and smaller fruit size
'OPA3/19'	Flower	presence of anthocyanin on style	very weak to weak	strong	'OPA3/19' also has a globose fruit shape with reddish purple skin colour
'OPA4/19'	Fruit	shape	broad ellipsoid	globose	'OPA4/19' also has a reddish purple skin colour and a mixture of one and three lobe leaf heterophylly

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

Organ/Plant Part: Context	'OPA13/19'	'Tweed Flamenco' 'Tweed Tango'

☐ Plant: colour of vine	medium green	medium green	medium green
☐ Leaf blade: length	medium to long	medium	medium
☐ Leaf blade: width	broad	medium to broad	broad
☐ Leaf blade: width of terminal lobe	medium to broad	medium	medium
☒ Leaf blade: depth of sinus	medium to deep	deep	shallow
☐ leaf blade: intensity of green colour	medium	medium	medium
☐ Leaf blade: blistering	present	present	present
☒ Leaf blade: degree of blistering	strong	medium	strong
☐ Petiole: length	short to medium	medium	short
☐ Petiole: position of nectaries	adjacent to leaf blade	adjacent to leaf blade	adjacent to leaf blade
☒ Flower: length of bract	long	short	short to medium
☐ Flower: length of sepal	medium	medium	short to medium
☐ Flower: width of sepal	narrow to medium	narrow to medium	medium
☐ Flower: length of petal	short to medium	medium	medium
☐ Flower: width of petal	narrow to medium	narrow to medium	medium
☐ Flower: intensity of colour of spotted ring in throat	medium	absent or light	medium
☐ Flower: diameter of corona of filaments	medium	medium	medium
☐ Flower: presence of purple rings on corona filaments	present	present	present
☐ Flower: width of purple rings on corona filaments	narrow to medium	narrow to medium	medium
☐ Flower: intensity of colour of purple rings on corona filaments	medium	medium	medium
☐ Flower: spots on distal part of corona filaments	absent	absent	absent
☐ Fruit: length	short to medium	medium	medium to long

☐ Fruit: diameter	medium	medium	medium to large
☒ Fruit: conspicuousness of lenticels	moderately conspicuous	very conspicuous	very conspicuous
☒ Fruit: thickness of skin	medium to thick	thin to medium	medium
☐ Fruit: size of seed	small	small	small
☒ Fruit: colour of funiculus	white yellowish	pink red	pink red
☐ Fruit: colour of pulp	yellow orange	yellow orange	yellow orange

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'OPA13/19'	'Tweed Flamenco'	'Tweed Tango'
☒ Plant: growth vigour	medium	high	medium
☐ Stem: colour	medium green	medium green	medium green
☒ Stem: surface texture	rough	smooth	rough
☐ Stem: pubescence	absent	absent	absent
☐ Stipule: size	small	small	small to medium
☐ Stipule: intensity of anthocyanin coloration	absent or very low	absent or very low	absent or very low
☐ Leaf: glossiness of upper side	medium	medium	medium
☐ Leaf: presence of hair on the ventral surface	absent	absent	absent
☐ Leaf: presence of hair on the dorsal surface	present	absent	absent
☐ Petiole: intensity of anthocyanin coloration	absent or very low	absent or very low	absent or very low
☒ Flower: length of pedicel	medium	long	long
☒ Flower: length of bract	long	short	medium
☐ Flower: intensity of anthocyanin coloration of bract	absent or very low	absent or very low	absent or very low

☐ Flower: intensity of anthocyanin coloration of pedicel	absent or very low	absent or very low	absent or very low
☒ Flower: length of androgynophore	short	long	medium to long
☐ Flower: diameter of corona (including the filaments)	medium	medium to large	medium
☐ Flower: spots on distal part of corona filaments	absent	absent	absent
☐ Flower: nectaries on bract	present	present	present
☐ Flower: nectaries on sepal	present	present	present
☐ Flower: length of anther	medium	medium	medium
☒ Flower: width of anther	wide	medium	medium
☐ Plant: heterophylly	predominantly three lobed	predominantly three lobed	predominantly three lobed
☐ Flower: length of ovary	medium	medium	medium
☒ Flower: width of ovary	wide	medium	medium
☒ Flower: presence of anthocyanin coloration on style	weak	weak	absent or very weak
☒ Flower: presence of anthocyanin coloration on the androgynophore	absent or very weak	medium	absent or very weak
☒ Fruit: volume of pulp (excluding the seeds) per fruit	high	medium	high
☐ Fruit: shape	broad ellipsoid	broad ellipsoid	broad ellipsoid
☒ Fruit: soluble solids in juice	high	high	very high
☐ Fruit: free juice	low to medium	low to medium	low
☒ Flower: width of bract	narrow	narrow	broad
☐ Fruit: glossiness of the skin	medium	medium	medium
☐ Stipule: extent of anthocyanin coloration	absent or very small	absent or very small	absent or very small
☒ Fruit: size	medium	medium	large

☐ Leaf: green colour of the ventral surface	dark	dark	dark
☐ Leaf: green colour of the dorsal surface	medium	medium	medium
☐ Leaf: shape of apex of the middle lobe	acuminate	acuminate	acuminate
☐ Leaf: shape of base	cordate	cordate	cordate
☐ Leaf: intensity of anthocyanin coloration of the midvein	absent or very low	absent or very low	absent or very low
☒ Flower: presence of anthocyanin on anther filament	weak	weak	medium
☐ Fruit: main colour of skin	purple	purple	purple

Statistical Table

Organ/Plant Part: Context	**'OPA13/19'**	**'Tweed Flamenco'**	**'Tweed Tango'**
☐ Leaf: length (mm)			
Mean	127.00	125.90	135.20
Std. Deviation	13.20	5.60	19.00
Lsd/sig	17.13	ns	ns
☒ Leaf: width (mm)			
Mean	138.20	145.50	99.90
Std. Deviation	11.90	14.90	16.10
Lsd/sig	22.54	ns	P≤0.01
☐ Leaf: width of terminal lobe (mm)			
Mean	63.70	55.80	63.70
Std. Deviation	5.20	5.20	5.10
Lsd/sig	8.88	ns	ns
☒ Petiole: length (mm)			
Mean	27.70	28.20	20.50
Std. Deviation	9.70	9.70	1.60
Lsd/sig	5.91	ns	P≤0.01

Prior Applications and Sales:

No prior application or sale.

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

'OPA13/19' 'Tweed Flamenco' 'Tweed Tango'

Passiflora hybrid (Passion fruit) variety 'OPA13/19' with comparators 'Tweed Flamenco' and 'Tweed Tango'

Details of Application

Application Number	2021/191
Variety Name	'Itumsixteen'
Genus Species	*Vitis vinifera*
Common Name	Grape vine
Accepted Date	17 Sep 2021
Applicant	Investigación y Tecnología de Uva de Mesa S.L. (ITUM) Lomas de Marin s/n, ES - 30540 Blanca (MURCIA) ESPAÑA.
Agent	AJR Variety Development Pty Ltd, Euston NSW 2737
Qualified Person	Huiyan(Chloe) Cai

Details of Comparative Trial

Overseas Testing Authority	Oficina Española De Variedades Vegetales (OEVV)
Overseas Data Reference Number	CPVO 20163234
Location	Centro de Ensayos de Evaluación de Variedades de Murcia- (IMIDA) 30150-La Alberca (Murcia) España
Descriptor	CPVO-TP/050/2
Period	2017-2018-2019-2020-2021
Conditions	Variety description and measurement of candidate and comparators are according to CPVO Technical Protocol.
Trial Design	Variety description and measurement of candidate and comparators are according to CPVO Technical Protocol.
Measurements	Variety description and measurement of candidate and comparators are according to CPVO Technical Protocol.
RHS Chart - edition	n/a

Origin and Breeding

Controlled pollination: Controlled hybridization between ITUM189-12 (maternal parent) and Princess (paternal parent) in 2005 at the ITUM vineyard at the Instituto Murciano de Investigación y Desarrollo Rural, Agrario y Alimentaro (IMIDRA), in Murcia, Spain. 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. Breeder: Manuel Tornel and Juan Carreno - Investigación y Tecnología de Uva de Mesa S.L., Paraje Lomas de Marin s/n, Blanca MURCIA 30540 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
Berry	time of beginning of berry ripening	medium
Berry	colour of skin	yellow
Berry	formation of seed	rudimentary

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'ITUMTWO'	Early to medium season yellow seedless with particular berry flavour of muscat
'ITUMTHIRTEEN'	Medium season yellow seedless with particular berry flavour of muscat

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
'Thompson Seedless'	berry	size	medium to large	small	
'Arraeleven'	berry	particular flavor	none	muscat	
'Blanc Seedless'	berry	berry shape	obovoid	cylindrical	
'Regal Seedless'	berry	berry shape	obovoid	elliptic	
'IFG 104-253' (Sweet Sunshine)	berry	berry shape	obovoid	narrow ellipsoid	
'Sugraone'	berry	time of beginning of berry ripening	medium	early	
'Sheegene 2'	berry	berry shape	obovoid	broad ellipsoid	
'IFG ten'	berry	berry shape	obovoid	broad ellipsoid or obtuse ovoid	

'Sheegene 21'	berry	berry shape	obovoid	broad ellipsoid
'IFG Eleven'	berry	time of beginning of berry ripening	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	'Itumsixteen'	'Itumthirteen'	'Itumtwo'
☐ *Time of: bud burst	medium		
☐ *Young shoot: openness of tip	fully open		
☐ *Young shoot: prostrate hairs on tip	sparse		
☐ *Young shoot: anthocyanin colouration of prostrate hairs on tip	absent or very weak		
☐ Young shoot: erect hairs on tip	absent or very sparse		
☐ *Young leaf: colour of upper side of blade	green with anthocyanin spots		
☐ *Young leaf: prostrate hairs between main veins on lower side of blade	absent or very sparse		
☐ Young leaf: erect hairs on main veins on lower side of blade	absent or very sparse		
☐ Shoot: attitude (before tying)	horizontal		
☐ Shoot: colour of dorsal side of internodes	green and red		
☐ *Shoot: colour of ventral side of internodes	green and red		
☐ Shoot: colour of dorsal side of nodes	green and red		
☐ Shoot: colour of ventral side of nodes	green and red		
☐ Shoot: erect hairs on internodes	absent or very sparse		
☐ Shoot: length of tendrils	medium		

☐ *Flower: sexual organs	fully developed stamens and fully developed gynoecium		
☐ *Mature leaf: size of blade	large		
☒ *Mature leaf: shape of blade	circular	pentagonal	
☐ Mature leaf: blistering of upper side of blade	weak		
☒ *Mature leaf: number of lobes	three	five	five
☐ Mature leaf: depth of upper lateral sinuses	shallow		
☐ Mature leaf: arrangement of lobes of upper lateral sinuses (varieties with lobed leaves only)	slightly overlapped		
☒ *Mature leaf: arrangement of lobes of petiole sinus	half overlapped		slightly open
☐ *Mature leaf: length of teeth	medium		
☐ *Mature leaf: ratio length/width of teeth	medium		
☐ *Mature leaf: shape of teeth	both sides convex		
☐ *Mature leaf: proportion of main veins on upper side of blade with anthocyanin colouration	absent or very low		
☐ Mature leaf: prostrate hairs between main veins on lower side of blade	absent or very sparse		
☐ *Mature leaf: erect hairs on main veins on lower side of blade	sparse		
☐ Mature leaf: length of petiole compared to length of middle vein	equal		
☐ *Time of: beginning of berry ripening	medium		
☐ *Bunch: size (peduncle excluded)	medium to large		
☐ *Bunch: density	lax		

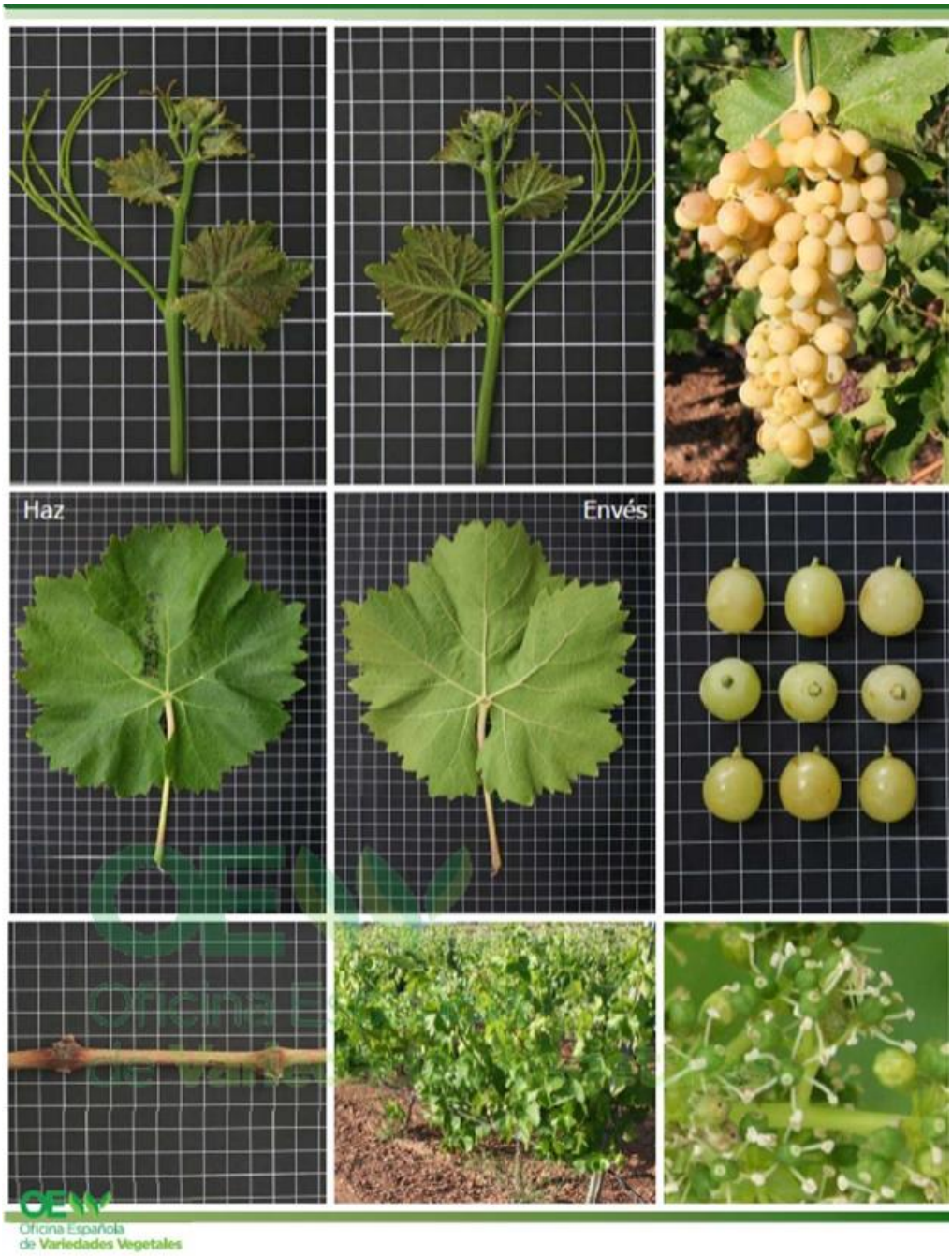
☐ Bunch: length of peduncle of primary bunch	medium		
☐ *Berry: size	medium to large		
☐ *Berry: shape	obovoid		
☐ *Berry: colour of skin (without bloom)	yellow		
☐ Berry: ease of detachment from pedicel	moderately easy		
☐ Berry: thickness of skin	medium		
☐ *Berry: anthocyanin colouration of flesh	absent or very weak		
☐ Berry: firmness of flesh	very firm		
☒ *Berry: particular flavour	none	muscat	muscat
☐ *Berry: formation of seeds	rudimentary		
☐ Woody shoot: main colour	yellowish brown		

Prior Applications and Sales:

Country	Year	Status	Name Applied
USA	2020	Granted	'Itumsixteen'
EU	2016	Granted	'Itumsixteen'
South Africa	2019	Active application	'Itumsixteen'

No prior sales

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



Grape vine (*Vitis vinifera)* - 'Itumsixteen'

Details of Application

Application Number	2021/192
Variety Name	'Itumfifteen'
Genus Species	*Vitis vinifera L*
Common Name	Grape vine
Accepted Date	17 Sep 2021
Applicant	Investigación y Tecnología de Uva de Mesa S.L. (ITUM) Lomas de Marin s/n, ES – 30540 Blanca (MURCIA) ESPAÑA.
Agent	AJR Variety Development Pty Ltd, Euston NSW 2737
Qualified Person	Huiyan(Chloe) Cai

Details of Comparative Trial

Overseas Testing Authority	Oficina Española De Variedades Vegetales (OEVV)
Overseas Data Reference Number	CPVO 20163233
Location	Centro de Ensayos de Evaluación de Variedades de Murcia-(IMIDA) 30150-La Alberca (Murcia) España
Descriptor	CPVO-TP/050/2
Period	2017-2018-2019-2020-2021
Conditions	Variety description and measurement of candidate and comparators are according to CPOV Technical Protocol.
Trial Design	Variety description and measurement of candidate and comparators are according to CPOV Technical Protocol.
Measurements	Variety description and measurement of candidate and comparators are according to CPOV Technical Protocol.
RHS Chart - edition	n/a

Origin and Breeding

Controlled pollination: 'Itumfifteen' resulted from controlled hybridization between ITUM 150-242 (maternal parent) and Superior (paternal parent) in 2012 at the ITUM vineyard at the Instituto Murciano de Investigación y Desarrollo Rural, Agrario y Alimentaro (IMIDRA), in Murcia, Spain. Plants were produced from the maternal parent using embryo rescue procedures. Selections were made in 2014 after screening for molecular markers associated with seedlessness and quality of fruit in post-harvest storage. 'Itumfifteen' was first propagated in 2015. Vines of the candidate were found to reproduced true-to-type and maintained in its present form for several generations. Breeder: Manuel Tornel and Juan Carreno - Investigación y Tecnología de Uva de Mesa S.L., Paraje Lomas de Marin s/n, Blanca MURCIA 30540 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
Berry	formation of seed	seedless
Berry	time of beginning of berry ripening	very early
Berry	shape	globose
Berry	colour of skin	rose

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Tawny Seedless'	Early red seedless with berry shape of obolid
'Sheegene 3'	Early to medium season red seedless with berry shape of broad ellipsoid
'Sheegene 6'	Large red seedless with berry shape of globose

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
'IFG Fourteen'	berry	colour of skin	rose	grey red
'Sugrathirtysix'	berry	colour of skin	rose	grey red
'Flame Seedless'	berry	particular flavor	muscat	none
'Arratwentynine'	berry	particular flavor	muscat	none

'Ralli Seedless'	berry	particular flavor	muscat	none
'IFG Three' (IFG68-175)	berry	particular flavor	muscat	none
'IFG Eighteen'	berry	berry shape	globose	obtuse ovoid
'IFG Twenty-one''	berry	particular flavor	muscat	other than muscat, foxy or herbaceous
'Sheegene 8'	berry	particular flavor	muscat	none

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

Organ/Plant Part: Context	'Itumfifteen'	'Sheegene 3'	'Sheegene 6'	'Tawny Seedless'
☐ *Time of: bud burst	very early			
☐ *Young shoot: openness of tip	fully open			
☐ *Young shoot: prostrate hairs on tip	absent or very sparse			
☐ *Young shoot: anthocyanin colouration of prostrate hairs on tip	absent or very weak			
☐ Young shoot: erect hairs on tip	absent or very sparse			
☐ *Young leaf: colour of upper side of blade	green with anthocyanin spots			
☐ *Young leaf: prostrate hairs between main veins on lower side of blade	absent or very sparse			
☐ Young leaf: erect hairs on main veins on lower side of blade	absent or very sparse			
☐ Shoot: attitude (before tying)	semi-erect			
☐ Shoot: colour of dorsal side of internodes	green and red			
☐ *Shoot: colour of ventral side of internodes	green			
☐ Shoot: colour of dorsal side of nodes	green			
☐ Shoot: colour of ventral side of nodes	green			

☐ Shoot: erect hairs on internodes	absent or very sparse		
☐ Shoot: length of tendrils	medium to long		
☐ *Flower: sexual organs	fully developed stamens and fully developed gynoecium		
☐ *Mature leaf: size of blade	large		
☐ *Mature leaf: shape of blade	pentagonal		
☐ Mature leaf: blistering of upper side of blade	weak		
☒ *Mature leaf: number of lobes	one	five	five
☐ *Mature leaf: arrangement of lobes of petiole sinus	slightly open		
☐ *Mature leaf: length of teeth	medium		
☐ *Mature leaf: ratio length/width of teeth	medium		
☐ *Mature leaf: shape of teeth	both sides convex		
☐ *Mature leaf: proportion of main veins on upper side of blade with anthocyanin colouration	absent or very low		
☐ Mature leaf: prostrate hairs between main veins on lower side of blade	absent or very sparse		
☐ *Mature leaf: erect hairs on main veins on lower side of blade	absent or very sparse		
☐ Mature leaf: length of petiole compared to length of middle vein	moderately shorter		
☐ *Time of: beginning of berry ripening	very early		
☐ *Bunch: size (peduncle excluded)	large		
☐ *Bunch: density	lax		

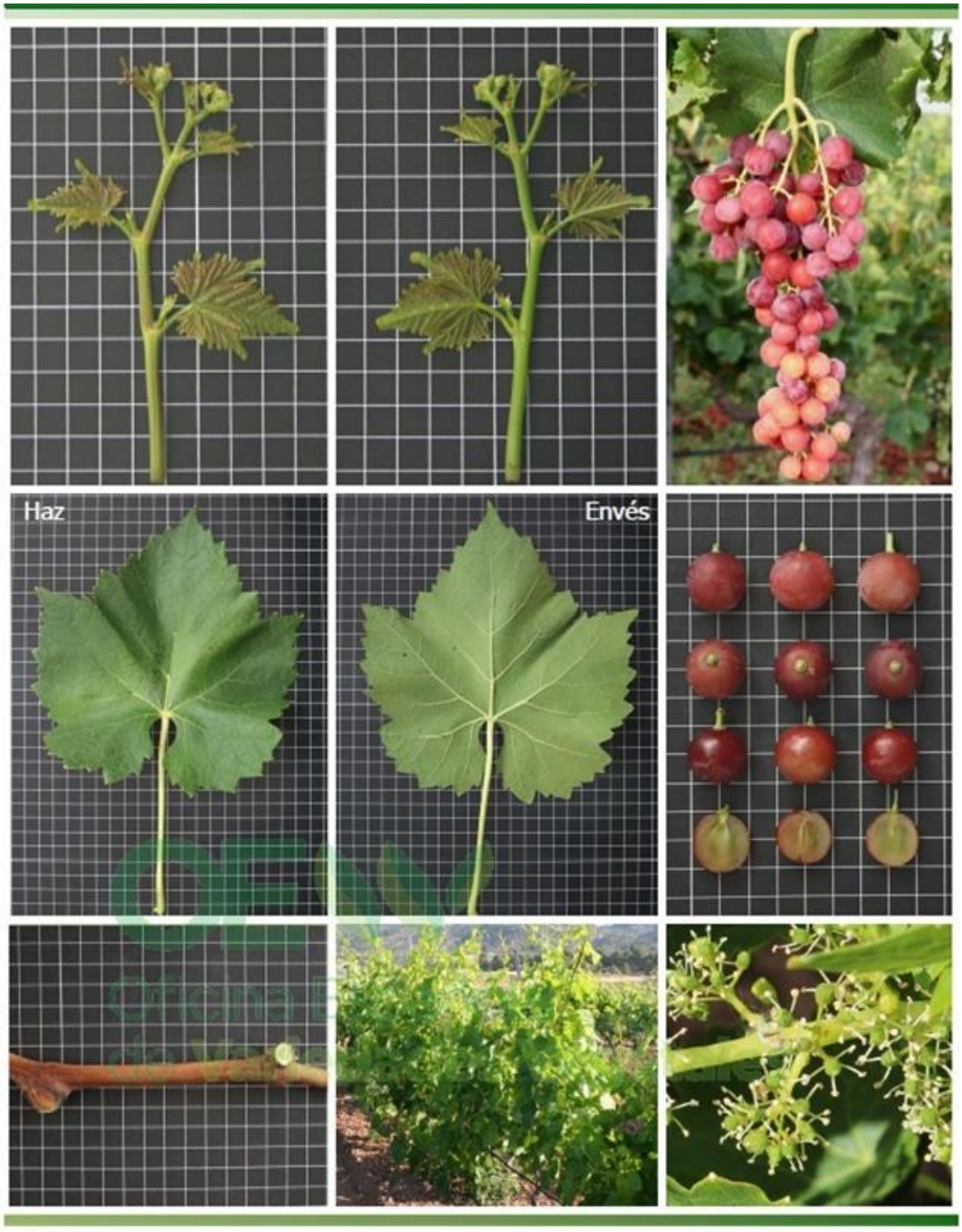
☒ Bunch: length of peduncle of primary bunch	medium			very long
☐ *Berry: size	medium to large			
☐ *Berry: shape	globose			
☐ *Berry: colour of skin (without bloom)	rose			
☐ Berry: ease of detachment from pedicel	difficult			
☐ Berry: thickness of skin	medium			
☐ *Berry: anthocyanin colouration of flesh	absent or very weak			
☐ Berry: firmness of flesh	very firm			
☒ *Berry: particular flavour	muscat	other than muscat, foxy or herbaceous	none	none
☐ *Berry: formation of seeds	none			
☐ Woody shoot: main colour	orange brown			

Prior Applications and Sales:

Country	Year	Status	Name Applied
USA	2020	Granted	'Itumsfifteen'
EU	2016	Granted	'Itumsfifteen'
South Africa	2019	Active application	'Itumsfifteen'

No prior sales

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



Grape vine (*Vitis vinifera L)* - 'Itumfifteen'

Details of Application

Application Number	2021/193
Variety Name	'Itumten'
Genus Species	*Vitis vinifera*
Common Name	Grape vine
Accepted Date	17 Sep 2021
Applicant	Investigación y Tecnología de Uva de Mesa ITUM S.L.
Agent	AJR Variety Development Pty Ltd
Qualified Person	Huiyan(Chloe) Cai

Details of Comparative Trial

Overseas Testing Authority	Oficina Española De Variedades Vegetales (OEVV)
Overseas Data Reference Number	CPVO 20130783
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	Variety description and measurements of candidate and comparators are according to CPVO Technical Protocol
Trial Design	Variety description and measurements of candidate and comparators are according to CPVO Technical Protocol
Measurements	Variety description and measurements of candidate and comparators are according to CPVO Technical Protocol
RHS Chart - edition	n/a

Origin and Breeding

Controlled pollination: 'Itumten' cultivar resulted from controlled hybridization between 'Crimson Seedless' (maternal parent) and 'Princess' (paternal parent) in 2004 at the ITUM vineyard at the Instituto Murciano de Investigación y Desarrollo Rural, Agrario y Alimentaro (IMIDRA), in Murcia, Spain. 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. 'Itumten' was first propagated in 2007. Vines were found to reproduce true-to-type through several generations. Breeder: Manuel Tornel and Juan Carreno - Investigación y Tecnologla de Uva de Mesa S.L., Paraje Lomas de Marin s/n, Blanca MURCIA 30540 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
Berry	formation of seed	seedless
Berry	colour of skin	red
Berry	time of beginning of berry ripening	late
Berry	particular flavour	none

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Sheegene 20'	Medium or medium to late season red seedless with neutral berry flavour

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
'Long Crimson'	berrytime of beginning of berry ripening	very late	medium	
'Sugranineteen'	berryberry shape	cylindrical	broad ellipsoid	
'IFG Nine'	berryberry shape	cylindrical	obovoid	
'Sheegene 13'	berryberry shape	cylindrical	broad ellipsoid	
'Sheegene 10'	berrytime of beginning of berry ripening	very late	early	
'Sugrathirtytwo'	berrytime of beginning of berry ripening	very late	very early	
'Sheegene 12'	berryberry shape	cylindrical	broad ellipsoid	
'Sugrathirtyeight'	berrytime of beginning of berry ripening	very late	medium	

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

Organ/Plant Part: Context	'Itumten'	'Sheegene 20'
☐ *Time of: bud burst	medium to late	
☐ *Young shoot: openness of tip	fully open	

☐ *Young shoot: prostrate hairs on tip	medium to dense	
☐ *Young shoot: anthocyanin colouration of prostrate hairs on tip	absent or very weak	
☐ Young shoot: erect hairs on tip	absent or very sparse	
☐ *Young leaf: colour of upper side of blade	light copper red	
☒ *Young leaf: prostrate hairs between main veins on lower side of blade	medium to dense	absent or very sparse
☐ Young leaf: erect hairs on main veins on lower side of blade	absent or very sparse	
☐ Shoot: attitude (before tying)	semi-erect	
☐ Shoot: colour of dorsal side of internodes	red	
☐ *Shoot: colour of ventral side of internodes	green	
☐ Shoot: colour of dorsal side of nodes	red	
☐ Shoot: colour of ventral side of nodes	green and red	
☐ Shoot: erect hairs on internodes	absent or very sparse	
☐ Shoot: length of tendrils	medium to long	
☐ *Flower: sexual organs	fully developed stamens and fully developed gynoecium	
☐ *Mature leaf: size of blade	large	
☐ *Mature leaf: shape of blade	circular	
☐ Mature leaf: blistering of upper side of blade	medium	
☐ *Mature leaf: number of lobes	five	
☐ Mature leaf: depth of upper lateral sinuses	shallow	
☐ Mature leaf: arrangement of lobes of upper lateral sinuses (varieties with lobed leaves only)	slightly overlapped	
☐ *Mature leaf: arrangement of lobes of petiole sinus	closed	

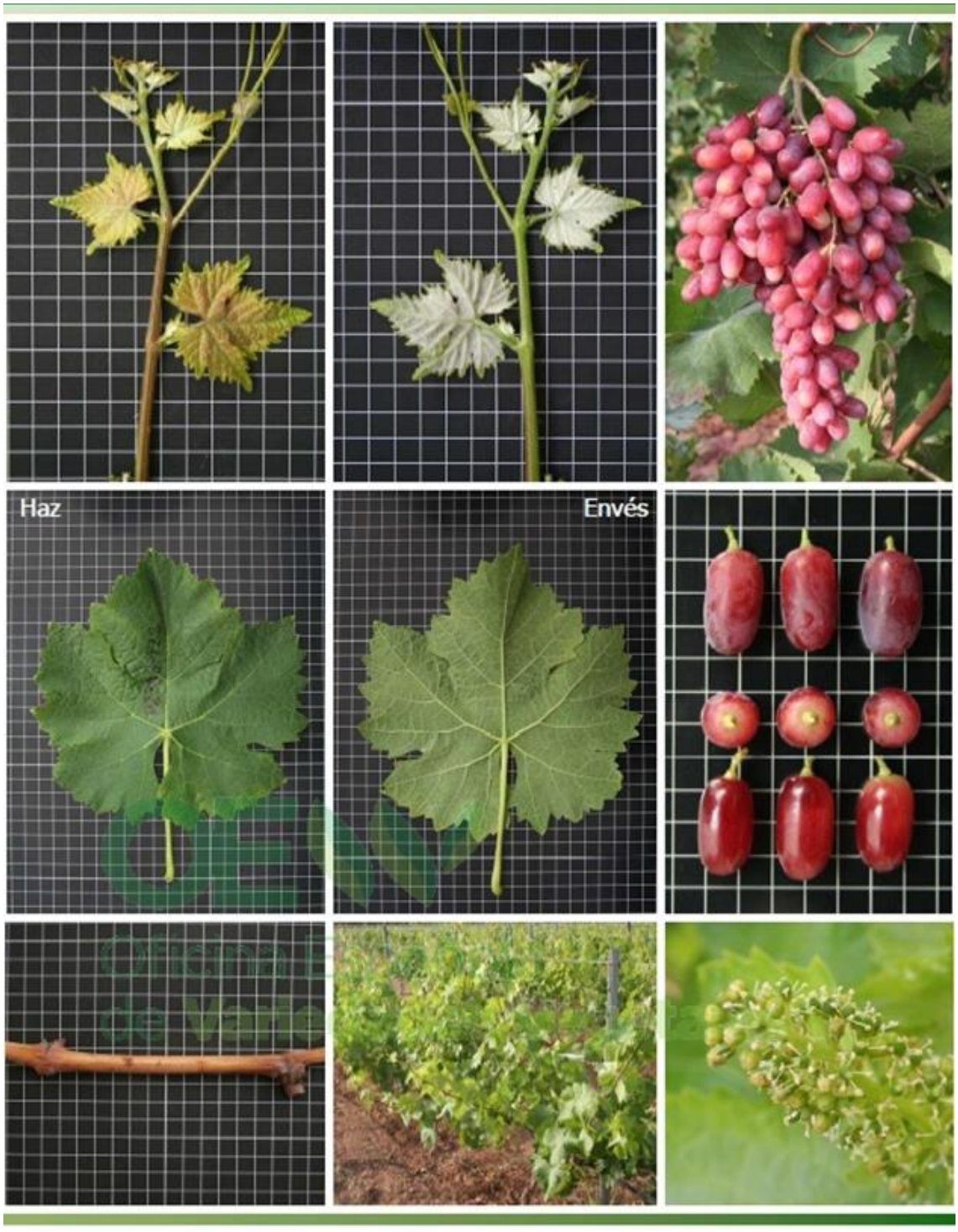
☐	*Mature leaf: length of teeth	medium	
☐	*Mature leaf: ratio length/width of teeth	medium	
☐	*Mature leaf: shape of teeth	mixture of both sides straight and both sides convex	
☐	*Mature leaf: proportion of main veins on upper side of blade with anthocyanin colouration	absent or very low	
☐	Mature leaf: prostrate hairs between main veins on lower side of blade	sparse	
☐	*Mature leaf: erect hairs on main veins on lower side of blade	medium	
☐	Mature leaf: length of petiole compared to length of middle vein	moderately shorter	
☐	*Time of: beginning of berry ripening	very late	
☐	*Bunch: size (peduncle excluded)	large	
☐	*Bunch: density	lax to medium	
☐	Bunch: length of peduncle of primary bunch	medium	
☐	*Berry: size	large to very large	
☒	*Berry: shape	cylindrical	narrow ellipsoid
☐	*Berry: colour of skin (without bloom)	red	
☐	Berry: ease of detachment from pedicel	difficult	
☐	Berry: thickness of skin	thin	
☐	*Berry: anthocyanin colouration of flesh	absent or very weak	
☐	Berry: firmness of flesh	very firm	
☐	*Berry: particular flavour	none	
☒	*Berry: formation of seeds	none	rudimentary
☐	Woody shoot: main colour	orange brown	

Prior Applications and Sales:

Country	Year	Status	Name Applied
South Africa	2016	Active applicaiton	'Itumten'
EU	2013	Granted	'Itumten'
Chile	2019	Active application	'Itumten'

First sold on 06/09/2019 in Chile

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



Grape vine (*Vitis vinifera)* - 'Itumten'

Details of Application

Application Number	2021/194
Variety Name	'Cophama'
Genus Species	*Colocasia* hybrid
Common Name	Taro
Synonym	
Accepted Date	01 Nov 2021
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, The Netherland
Overseas Data Reference Number	2021/1847
Location	Naktuinbouw, Roelofarendsveen, The Netherland
Descriptor	SSP/COL/2; d.d. 01-03-2022
Period	2022
Conditions	As per DUS test report
Trial Design	
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 hardiness. Parents were produced in a controlled breeding program. The female parent (Line A) had an exaggerated V shaped vein, The male parent (Line B) had foliage: very dark with a reflective sheen and petiole dark purple-black. The program had eight generations of hybridizing until the selection 'Pharaohs Mask', now called 'Cophama', was identified in 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
Plant	growth habit	upright

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Black Stem'	

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	vein colour	prominent	not prominent	
'Nancys Revenge'	midvein	colour	dark purple-black	white	
'Nancys Revenge'	petiole	colour	dark black	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	'Cophama'	'Black Stem'
☐ Sprout: anthocyanin colouration	present	
☐ *Plant: type	erect	
☐ *Leaf blade: attitude	oblique	
☐ *Leaf blade: ratio length/width	medium to large	
☐ Leaf blade: shape of apex	acute	acute

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Cophama'	'Black Stem'
☒ Leaf blade: number of colours of upper side	two	one

☒	Leaf blade: main colour of upper side	ca. RHS NN137 A	ca. RHS N189 A
☐	Plant: height	ca. 90 cm	
☐	Plant: diameter	ca. 100 cm	
☐	Sheath: length	ca. 56 cm	
☐	Sheath: width	ca. 45 mm	
☐	Sheath: colour	ca. RHS 203 A	
☐	Petiole: length	ca. 48 cm	
☐	Petiole: diameter	ca. 15 mm	
☐	Petiole: number of colour	one	
☐	Petiole: main colour	ca. RHS 203 A	
☐	Leaf blade: attitude	semi-upright	
☐	Leaf blade: length	ca. 40 cm	
☐	Leaf blade: width	ca. 19 cm	
☐	Leaf blade: shape	cordate	
☐	Leaf blade: length of lobed	ca. 13 cm	
☒	Leaf blade: secondary colour of upper side	ca. RHS 203 A	not applicable
☒	Leaf blade: pattern of secondary colour	veined	not applicable
☐	Leaf blade: main colour of lower side	ca. RHS 138 A	
☐	Leaf blade: colour of main vein of lower side	ca. RHS 176 A	
☐	Leaf blade: glossiness	medium	
☐	Leaf blade: undulaton of margin	medium	
☐	Leaf blade: shape in cross section	concave	
☐	Leaf blade: shape of apex	acuminate	
☐	Leaf blade: margin shape	strongly recurved	

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2021	granted	'Pharaohs Mask'

No prior sale.

Description: **John Oates**, Merrimbulla, NSW

Colocasia hybrid (Taro) variety 'Cophama'

Details of Application

Application Number	2021/239
Variety Name	'INSPIRE'
Genus Species	*Fragaria* × *ananassa*
Common Name	Strawberry
Accepted Date	23 Nov 2021
Applicant	Berry Genetics, Inc., 342 Green Valley Road, Watsonville, California 95076, United States
Agent	Red Jewel Fruit Management Pty Ltd., PO Box 1180, Armidale, NSW 2350
Qualified Person	Elise Pike

Details of Comparative Trial

Location	Elimbah, QLD, Australia.
Descriptor	TG/22/10 Rev. Strawberry (*Fragaria* L.)
Period	April to August 2023
Conditions	Asexual propagation by stolons and plants were then transplanted into field and grown under standard Strawberry production systems.
Trial Design	'Inspire' was compared with comparator varieties 'Aus-Splendor' (BG-959) and 'Renewal'. Trial was completely randomised.
Measurements	Measurements and observations were taken on randomly selected plants.
RHS Chart - edition	2007

Origin and Breeding

Controlled pollination: 'Inspire' resulted from the cross pollination of 'BG-1975' (US PP 17,725) as the seed parent and variety designated as 'Primori' for the pollen parent in a breeding plot in Ventura, California. Plants of the resulting variety were asexually propagated by stolons and extensively tested in the fruiting fields of Ventura County, California for several years to confirm characteristics. Breeders: Steven D. Nelson, Michael D. Nelson, Leo W. Stoeckle and Daniel S. Nelson, Watsonville, California, United States.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	position of inflorescence in regards to foliage	above
Plant	number of stolons	absent or very few
Flower	size of calyx in relation to corolla	larger
Flower	petal colour	white
Plant	type of bearing	non remontant
Fruit	position of achenes	below surface
Flower	stamen	present

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Aus-Splendor'	
'Renewal'	

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
'BG-1975'	Fruit: shape	conical	conical	Maternal 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	'INSPIRE'	'Aus-Splendor'	'Renewal'
☒ *Plant: growth habit	upright	spreading	upright
☐ Plant: density of foliage	dense	dense	dense
☒ Plant: vigour	strong to very strong	medium	strong
☐ *Plant: position of inflorescence in relation to foliage	above	above	above
☐ *Plant: number of stolons	absent or very few	absent or very few	absent or very few
☒ Leaf: size	large	medium	medium

☐ Leaf: colour of upper side	medium green	medium green	medium green
☒ *Leaf: blistering	medium	absent or weak	absent or weak
☐ *Leaf: glossiness	strong	strong	medium
☐ Leaf: variegation	absent	absent	absent
☒ *Terminal leaflet: length in relation to width	moderately longer	shorter	moderately longer
☒ *Terminal leaflet: shape of base	acute	rounded	obtuse
☐ Terminal leaflet: margin	serrate to crenate	crenate	serrate to crenate
☐ Terminal leaflet: shape in cross section	concave	concave	concave
☒ Petiole: length	long	short	medium to long
☐ Petiole: attitude of hairs	horizontal	horizontal	horizontal
☒ Stipule: anthocyanin colouration	weak	medium	medium
☒ Inflorescence: number of flowers	medium	few	medium
☐ Pedicel: attitude of hairs	upwards	upwards	upwards
☒ Flower: diameter	medium	medium	large
☒ *Flower: arrangement of petals	touching	free	overlapping
☐ *Flower: size of calyx in relation to corolla	larger	larger	larger
☐ *Flower: stamen	present	present	present
☒ Petal: length in relation to width	moderately longer	equal	much shorter
☐ *Petal: colour of upper side	white	white	white
☐ *Fruit: length in relation to width	much longer	equal	moderately longer
☒ *Fruit: size	very large	large	large
☒ *Fruit: shape	conical	wedged	conical

☐ Fruit: difference in shape of terminal and other fruits	none or very slight	none or very slight	none or very slight
☐ *Fruit: colour	orange red	medium red	orange red
☐ Fruit: evenness of colour	even or very slightly uneven	even or very slightly uneven	even or very slightly uneven
☐ Fruit: glossiness	strong	strong	strong
☐ Fruit: evenness of surface	even or very slightly uneven	slightly uneven	even or very slightly uneven
☐ Fruit: width of band without achenes	narrow	narrow	narrow
☐ *Fruit: position of achenes	below surface	below surface	below surface
☐ Fruit: position of calyx attachment	inserted	inserted	inserted
☒ Fruit: attitude of sepals	outwards	upwards	outwards
☒ Fruit: diameter of calyx in relation to diameter of fruit	slightly larger	slightly smaller	slightly larger
☐ Fruit: adherence of calyx	very strong	very strong	very strong
☒ Fruit: firmness	firm	medium	very firm
☐ Fruit: colour of flesh (excluding core)	light red	medium red	light red
☐ Fruit: colour of core	light red	medium red	light red
☐ Fruit: cavity	absent or small	medium	absent or small
☒ *Time of: beginning of flowering	early	medium to late	early
☒ Time of: beginning of fruit ripening	early	medium to late	early
☐ *Type of: bearing	not remontant	not remontant	not remontant

Prior Applications and Sales:

Country	Year	Status	Name Applied
European Union	2017	Granted	'Inspire'
United States	2017	Granted	'Inspire'

Egypt	2021	Applied	‘Inspire’
New Zealand	2021	Applied	‘Inspire’
Mexico	2020	Granted	‘Inspire’
Switzerland	2021	Granted	‘Inspire’
Norway	2021	Applied	‘Inspire’
Korea	2021	Applied	‘Inspire’

First sold in: 16 Oct 2017, Spain.

Description: **Elise Pike**, Wamuran, QLD 4512.

Strawberry (*Fragaria* × *ananassa*) ‘INSPIRE’ and comparators ‘BG-959’ and ‘RENEWAL’

Details of Application

Application Number	2022/083
Variety Name	'IB 610-7'
Genus Species	*Lavandula pedunculata*
Common Name	Spanish Lavender
Synonym	Blushberry Ruffles
Accepted Date	29 Jun 2022
Applicant	Plant Growers Australia Pty Ltd, 3 Harris Road, Wonga Park, VIC 3115
Agent	Plants Management Australia Pty. Ltd., PO Box 54, Dodges Ferry, TAS 7173
Qualified Person	Jordan Smark

Details of Comparative Trial

Location	Wonga Park, VIC
Descriptor	TG/194/1 Rev. Lavandula (*Lavandula* L.)
Period	January 2023 - September 2023
Conditions	Trial conducted in the open, plants propagated as cuttings November 2022, and transferred to 140mm pots in January 2023. Pots were 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: the maternal parent 'FW Spellbound' was self-pollinated in October 2015 as part of an ongoing breeding program to produce a selection with both pale mauve/blue infertile bracts and corolla colour, with green foliage. Seedlings were raised in February 2016 and grown to flowering maturity spring 2016. 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 October 2017 a final selection was made who best expressed the breeding criteria. 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
Corolla	colour	violet-blue
Spike	presence of infertile bracts	present
Plant	size	medium
Plant	intensity of grey tinge of foliage	very weak
Spike	total length	medium
Spike	number of flowers	medium
Spike	length of infertile bracts	medium
Infertile bract	colour	pale mauve to white

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Senwhi'	
'Javelin Fort White'	

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
'Blueberry Ruffles'	Corolla	colour	violet-blue	purple	
'Frills White'	Spike	presence of infertile bracts	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	'IB 610-7'	'Javelin Fort White'	'Senwhi'
☒ *Plant: growth habit	bushy	spreading	bushy
☐ *Plant: size	medium	medium	medium to large
☒ Plant: intensity of green colour of foliage	medium to dark	dark	light to medium

☐ Plant: intensity of grey tinge of foliage	very weak to weak	very weak to weak	absent or very weak
☒ *Plant: attitude of outer flowering stems	semi-erect	spreading	spreading
☒ *Plant: density	dense	open	medium
☐ *Leaf: incisions of margin	absent	absent	absent
☒ Flowering stem: length	short	medium	long
☒ Flowering stem: thickness at middle third	thick	medium	medium
☒ *Flowering stem: intensity of green colour	medium to dark	medium to dark	light to medium
☒ Flowering stem: intensity of pubescence (Stoechas and Pterostoechas sections only)	medium to strong	medium to strong	weak to medium
☐ *Flowering stem: lateral branching	absent	absent	absent
☒ *Spike: maximum width	medium	narrow	medium
☐ *Spike: total length	short to medium	medium	short to medium
☒ *Spike: shape	narrow trullate	cylindrical	narrow trullate
☐ Spike: number of flowers	medium to many	medium	medium to many
☒ Spike: width of fertile bracts	narrow	medium	narrow to medium
☐ *Spike: main colour of fertile bracts (Stoechas and Pterostoechas sections only)	green	green	green
☐ *Spike: presence of infertile bracts	present	present	present
☐ *Spike: length of infertile bracts (Stoechas section only)	medium	short to medium	medium to long
☒ *Spike: main colour of infertile bracts (Stoechas section only) (RHS colour chart)	85 C	NN155 B	N155 D
☒ Spike: undulation of margin of infertile bracts (Stoechas section only)	strong to very strong	medium	strong
☐ *Flower: colour of calyx	greenish	greenish	greenish
☐ Flower: pubescence of calyx	medium	medium	medium

☐ Time of: beginning of flowering	early	early to medium	early

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'IB 610-7'	'Javelin Fort White'	'Senwhi'
☒ Corolla: colour (RHS colour chart)	N82 B	N88 D	91 C
☐ Leaf: length	medium	medium	medium to long
☒ Leaf: width	medium	medium	narrow
☒ Spike: shape of infertile bracts (Stoechas section only)	variable - oblong and obovate	obovate	oblong
☒ Spike: width of infertile bracts	broad	medium to broad	medium
☐ Corolla: colour	violet-blue	violet-blue	violet-blue

Prior Applications and Sales: Nil.

First sold in: 3 May 2021, Australia.

Description: Jordan Smark, Wonga Park, VIC 3115.

Lavandula pedunculata 'IB 610-7' and comparators 'Javelin Fort White' and 'Senwhi'

Details of Application

Application Number	2022/085
Variety Name	'IB61015'
Genus Species	*Lavandula pedunculata*
Common Name	Spanish Lavender
Synonym	'The Silver Princess'
Accepted Date	29 Jun 2022
Applicant	Plant Growers Australia Pty Ltd, 3 Harris Road, Wonga Park, VIC 3115
Agent	Plants Management Australia Pty. Ltd., PO Box 54, Dodges Ferry, TAS 7173
Qualified Person	Jordan Smark

Details of Comparative Trial

Location	Wonga Park, VIC
Descriptor	TG/194/1 Rev. Lavandula (*Lavandula* L.)
Period	January 2023 - September 2023
Conditions	Trial conducted in the open, plants propagated as cuttings in November 2022 and transferred to 140mm pots in January 2023. Pots were 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: the maternal parent 'IB 510-100' was self-pollinated in October 2015 as part of an ongoing breeding program to produce a selection with silver foliage, mid pink corolla and mid pink infertile bract colour which are long and broad, on a dense plant which is medium in height. Seedlings were raised in February 2016 and grown to flowering maturity spring 2016. 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 October 2017 a final selection was made who best expressed the breeding criteria. 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
Corolla	colour	pink
Plant	intensity of grey tinge of foliage	very strong
Spike	infertile bract colour	pink

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Ghostly Princess'	
'Silver Lining Love'	
'Silver Lining Eternity'	
'Frostberry Ruffles'	

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

Organ/Plant Part: Context	'IB61015'	'Frostberry Ruffles'	'Ghostly Princess'	'Silver Lining Eternity'	'Silver Lining Love'
☒ *Plant: growth habit	bushy	bushy	bushy	bushy	globular
☒ *Plant: size	large	medium	medium	medium	medium
☐ Plant: intensity of grey tinge of foliage	very strong	strong to very strong	very strong	very strong	very strong
☒ *Plant: attitude of outer flowering stems	erect	semi-erect	erect	erect	semi-erect
☒ *Plant: density	dense	medium to dense	medium	dense	dense
☐ *Leaf: incisions of margin	absent	absent	absent	absent	absent
☒ Flowering stem: length	medium to long	medium	medium	short to medium	short
☐ Flowering stem: thickness at middle third	thin	thin	thin to medium	thin to medium	thin
☐ *Flowering stem: intensity of green colour	very light	very light	very light	very light	very light

☐ Flowering stem: intensity of pubescence (Stoechas and Pterostoechas sections only)	weak	very weak to weak	weak	weak	weak
☐ *Flowering stem: lateral branching	absent	absent	absent	absent	absent
☐ *Spike: maximum width	narrow to medium	medium	narrow to medium	medium	medium
☒ *Spike: total length	medium to long	medium	medium	short to medium	medium
☒ *Spike: shape	cylindrical	truncate conical	cylindrical	truncate conical	narrow trullate
☐ Spike: number of flowers	medium	medium	medium	medium	medium
☒ Spike: width of fertile bracts	narrow	medium to broad	medium to broad	medium	medium
☐ *Spike: main colour of fertile bracts (Stoechas and Pterostoechas sections only)	red purple	red purple	red purple	red purple	red purple
☐ *Spike: presence of infertile bracts	present	present	present	present	present
☒ *Spike: length of infertile bracts (Stoechas section only)	long	short to medium	short	short	medium
☒ *Spike: shape of infertile bracts (Stoechas section only)	oblanceolate	obovate	obovate	obovate	obovate
☒ *Spike: main colour of infertile bracts (Stoechas section only) (RHS colour chart)	75 A	75 B	73 C	75 B	186 D
☐ Spike: undulation of margin of infertile bracts (Stoechas section only)	medium to strong	strong	medium to strong	medium to strong	strong
☒ *Flower: colour of calyx	greenish	greenish	greenish	greyish	purplish
☐ Flower: pubescence of calyx	medium to strong	medium to strong	medium to strong	medium to strong	medium to strong
☐ *Corolla: colour	pink	pink	pink	pink	pink
☒ Time of: beginning of flowering	medium	early to medium	medium to late	medium	very early to early

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'IB61015'	'Frostberry Ruffles'	'Ghostly Princess'	'Silver Lining Eternity'	'Silver Lining Love'
☐ Plant: intensity of green colour of foliage	absent	absent	absent	absent	absent
☒ Leaf: length	medium	short	medium	short to medium	short to medium
☐ Leaf: width	narrow to medium	narrow to medium	narrow	narrow	narrow
☒ Spike: main colour of fertile bracts (RHS colour Chart)	71 A	71 A	187 C	71 A	71 A
☒ Spike: width of infertile bracts	medium to broad	medium to broad	medium to broad	narrow to medium	narrow to medium

Prior Applications and Sales: Nil**.**

First sold in: 12 May 2021, Australia.

Description: Jordan Smark, Wonga Park, VIC 3115.

Lavandula pedunculata 'IB61015' and comparators 'Frostberry Ruffles', 'Ghostly Princess', 'Silver Lining Eternity' and 'Silver Lining Love' (left to right)

Details of Application

Application Number	2022/086
Variety Name	'IB6101'
Genus Species	*Lavandula pedunculata*
Common Name	Spanish Lavender
Synonym	'The Snow Princess'
Accepted Date	01 Jul 2022
Applicant	Plant Growers Australia Pty Ltd, 3 Harris Road, Wonga Park, VIC 3115
Agent	Plants Management Australia Pty. Ltd., PO Box 54, Dodges Ferry, TAS 7173
Qualified Person	Jordan Smark

Details of Comparative Trial

Location	Wonga Park, VIC
Descriptor	TG/194/1 Rev. Lavandula (*Lavandula* L.)
Period	January 2023 - September 2023
Conditions	Trial conducted in the open, plants propagated as cuttings November 2022, and transferred to 140mm pots in January 2023. Pots were 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: the maternal parent 'FW Spellbound' was self-pollinated in October 2015 as part of an ongoing breeding program to produce a selection with white flower corolla colour and both broad and medium to long white infertile bracts. Seedlings were raised in February 2016 and grown to flowering maturity spring 2016. 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 October 2017 a final selection was made who best expressed the breeding criteria. 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	size	medium
Spike	total length	short to medium
Spike	presence of infertile bracts	present
Spike	width of infertile bracts	narrow to medium
Spike	infertile bract colour	white
Corolla	colour	light violet to white

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Senwhi'	
'Javelin Fort White'	

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
'Frills White'	Spike	presence of infertile bracts	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	'IB6101'	'Javelin Fort White'	'Senwhi'
☒ *Plant: growth habit	bushy	spreading	bushy
☐ *Plant: size	medium	medium	medium to large
☒ Plant: intensity of green colour of foliage	medium	dark	light to medium
☐ Plant: intensity of grey tinge of foliage	very weak to weak	very weak to weak	absent or very weak
☒ *Plant: attitude of outer flowering stems	semi-erect	spreading	spreading
☒ *Plant: density	medium	open	medium

☐ *Leaf: incisions of margin	absent	absent	absent
☐ Flowering stem: length	medium to long	medium	long
☒ Flowering stem: thickness at middle third	thin	medium	medium
☐ *Flowering stem: intensity of green colour	medium	medium to dark	light to medium
☒ Flowering stem: intensity of pubescence (Stoechas and Pterostoechas sections only)	very weak to weak	medium to strong	weak to medium
☐ *Flowering stem: lateral branching	absent	absent	absent
☐ *Spike: maximum width	narrow to medium	narrow	medium
☐ *Spike: total length	short to medium	medium	short to medium
☒ *Spike: shape	cylindrical	cylindrical	narrow trullate
☐ Spike: number of flowers	medium	medium	medium to many
☐ Spike: width of fertile bracts	medium	medium	narrow to medium
☐ *Spike: main colour of fertile bracts (Stoechas and Pterostoechas sections only)	green	green	green
☐ *Spike: presence of infertile bracts	present	present	present
☒ *Spike: length of infertile bracts (Stoechas section only)	long	short to medium	medium to long
☒ *Spike: shape of infertile bracts (Stoechas section only)	oblanceolate	obovate	oblong
☒ *Spike: main colour of infertile bracts (Stoechas section only) (RHS colour chart)	NN155 C	NN155 B	N155 D
☒ Spike: undulation of margin of infertile bracts (Stoechas section only)	medium	medium	strong
☐ *Flower: colour of calyx	greenish	greenish	greenish
☐ Flower: pubescence of calyx	medium	medium	medium
☐ Time of: beginning of flowering	early to medium	early to medium	early

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'IB6101'	'Javelin Fort White'	'Senwhi'
☐ Leaf: length	medium	medium	medium to long
☐ Leaf: width	narrow to medium	medium	narrow
☐ Spike: width of infertile bracts	medium	medium to broad	medium
☒ Corolla: colour (RHS colour chart)	NN155 D	N88 D	91 C
☒ Corolla: colour	white	violet-blue	violet-blue
☐ Spike: infertile bract colour	white	white	white

Prior Applications and Sales: Nil**.**

First sold in: 12 May 2021, Australia.

Description: Jordan Smark, Wonga Park, VIC 3115.

Lavandula pedunculata 'IB6101' and comparators 'Javelin Forte White' and 'Senwhi'

Details of Application

Application Number	2022/139
Variety Name	'Neo'
Genus Species	*Hordeum vulgare*
Common Name	Barley
Accepted Date	11 Aug 2022
Applicant	InterGrain Pty Ltd, 19 Ambitious Link, Bibra Lake, WA 6163 Australia.
Qualified Person	David Watson

Details of Comparative Trial

Location	Horsham
Descriptor	Barley (*Hordeum vulgare*) TG/19/11
Period	June 2022 to December 2022
Conditions	Trial was sown in Winter into good moisture. Conditions were average during Winter with a wettish Spring and soft late finish.
Trial Design	Randomised 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 F1 hybrid was crossed to 'RGT Planet' in 2018. The F1 plants from the topcross were sprayed with imidazolinone herbicide and surviving plants used as pollen donors for the generation of anther culture based doubled haploid plants. Plantlets were sown in a InterGrain glasshouse at Bibra Lake and dihaploid plants selected. Seed from these plants were sown in double row seed multiplication rows at Dandaragan in 2019 and assessed for resistance to the Spot Form of Net Blotch. Yields trials were conducted on the population in 2020 at 4 locations in Western Australia and disease nurseries were conducted in Queensland for SFNB, NFNB, leaf rust and powdery mildew. Seed purification was conducted by taken "bouquets" of pure plants from yield plots with seed multiplied over the 2020/21 summer at Horsham. 18M003DHT-165 was identified as a promising line and included in yield trials at 15 locations nationally and multiple disease nurseries. Micromalt quality analyses were conducted on samples from 8 locations. 18M003DHT-165 was given the breeder code IGB22102T and multiplied in the summer of 2021/22 to permit national and international trialling and large-scale seed production to commence in 2022. Breeder: David Moody - InterGrain Pty Ltd, 19 Ambitious Link, Bibra 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	number of rows	two

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'RGT Planet'	
'Zena'	
'Maximus'	

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

Organ/Plant Part: Context	'Neo'	'Maximus'	'RGT Planet'	'Zena'
☐ Kernel: colour of aleurone layer	whitish	whitish	whitish	whitish
☒ Plant: growth habit	intermediate to semi-prostrate	erect	intermediate to semi-prostrate	intermediate to semi-prostrate
☐ Plant: intensity of green colour	medium	dark	light	light
☐ Lowest leaves: hairiness of leaf sheath	absent	absent	absent	absent
☐ Flag leaf: attitude	erect to semi-erect	erect to semi-erect	erect to semi-erect	erect to semi-erect
☒ Ear: Time of emergence	medium to late	early to medium	medium to late	medium to late
☐ Flag leaf: glaucosity of sheath	medium	medium to strong	medium	medium
☐ Awns: anthocyanin colouration of tips	medium	medium to strong	medium	medium
☐ Ear: glaucosity	absent or very weak to weak	absent or very weak to weak	absent or very weak to weak	absent or very weak to weak

☐ Ear: attitude	horizontal to semi-drooping	erect to semi-erect	horizontal to semi-drooping	horizontal to semi-drooping
☒ Plant: length	medium	short to medium	medium to long	medium to long
☐ Ear: number of rows	two	two	two	two
☒ Ear: development of sterile spikelets	none or rudimentary	full	none or rudimentary	none or rudimentary
☐ Ear: shape	parallel	slightly tapering	parallel	parallel
☐ Ear: density	medium	dense	medium	medium
☐ Ear: length	medium to long	short	medium to long	medium to long
☒ Awn: length	medium to long	short	medium to long	medium to long
☒ Grain: rachilla hair type	short	long	short	short
☐ Grain: type	husked	husked	husked	husked
☐ Grain: hairiness of ventral furrow	absent	absent	absent	absent
☐ Lemma: shape of base	non-bevelled	non-bevelled	non-bevelled	non-bevelled
☐ Seasonal type:	spring type	spring type	spring type	spring type

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Neo'	'Maximus'	'RGT Planet'	'Zena'
☒ Plant: Resistance to *Imidazolinone* herbicides	tolerant	tolerant	susceptible	tolerant

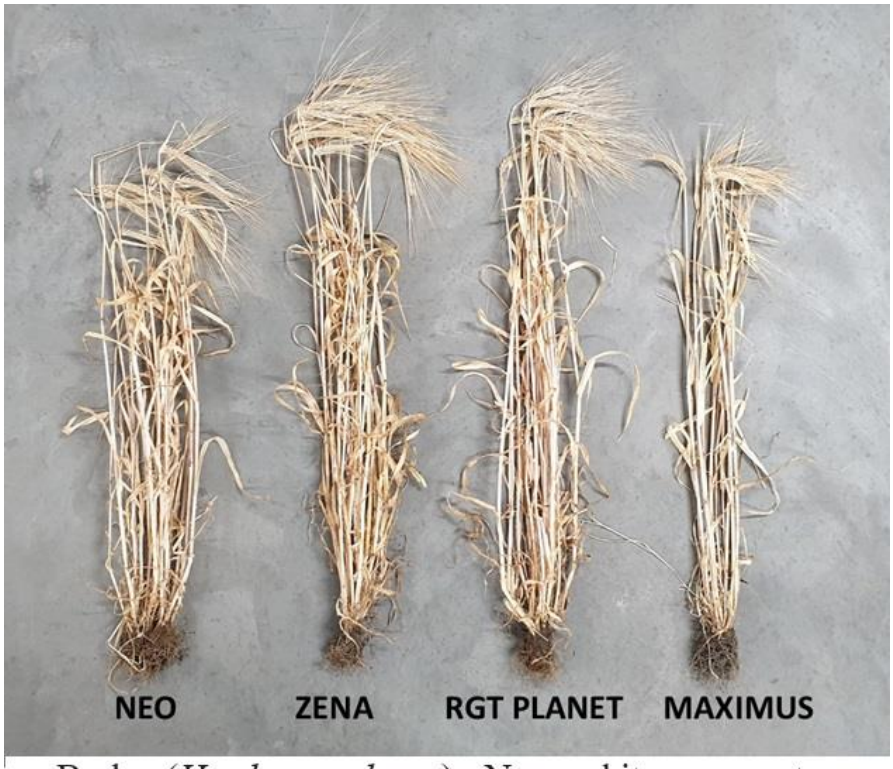
Statistical Table

Organ/Plant Part: Context	'Neo'	'Maximus'	'RGT Planet'	'Zena'
☒ Plant: length (cm)				
Mean	101.50	97.90	116.70	111.70
Std. Deviation	2.32	2.38	1.16	2.58
Lsd/sig	7.72	ns	P≤0.01	P≤0.01

☒Awn: length (cm)				
Mean	8.40	4.70	9.50	9.60
Std. Deviation	0.61	0.63	0.82	0.97
Lsd/sig	2.12	P≤0.01	ns	ns

Prior Applications and Sales: Nil

Description: **David Watson,** Horsham, VIC 3400



Barley (*Hordeum vulgare*) - Neo and its comparators showing the difference in plant lengths

Details of Application

Application Number	2022/151
Variety Name	'SRAW33'
Genus Species	*Saccharum* hybrid
Common Name	Sugarcane
Synonym	KQ07-4897
Accepted Date	06 Nov 2023
Applicant	Sugar Research Australia, Indooroopilly, QLD; Wilmar Sugar Pty Ltd, Townsville, QLD
Agent	N/A
Qualified Person	Clair Bolton

Details of Comparative Trial

Location	Sugar Research Australia, 26135 Peak Downs Highway, Te Kowai, QLD
Descriptor	Sugarcane (*Saccharum*) UPOV TG/186/1
Period	Planted 18 August 2021; Descriptions taken 21-22 July 2022
Conditions	Clones were propagated from vegetative cuttings and grown under field conditions. Trial site was prepared with minimum till and bed formed. Planting material was generally good. Soil tilth and moisture were good at planting. Soil type: Alluvial. Watering regime: rainfed. Fertiliser: Planter 3 applied 250kg/ha at planting and Sidedress 2 applied to total 78.5N 12.2P 58.8K 7.1S. Pesticide/Insecticides applied at planting: Bumper 40mL/200L water (pineapple disease control), Astral250 95mL/50L water (wireworm control), Confidor 917mL/50L water (greyback canegrub). Herbicides Residual Weed Control: 3L/ha Stomp and 1.5kg/ha Atradex 20/08/2021 (pre-emergence control of grasses and pre-emergence and early post emergent control of broadleaf weeds and some grasses). Fertiliser applied 08/11/2021: 500Kg/ha CB28864. Herbicides applied 9/12/2021: Paraquat 1.6L/ha, 2,4-D 1.2L/ha, Bobcat Imaxx 630g/ha.

Trial Design	Randomised Complete Block Design with three replicates. Plots were single row by 10m, with 1.6m between rows.
Measurements	Taken from up to 10 stalks sampled randomly per plot.
RHS Chart - edition	2001

Origin and Breeding

Controlled pollination: The variety is the progeny of a field cross made at the Macknade crossing facility in 2007 between the seed parent 'Q208' and the pollen parent 'CP74-2005'. Seed was collected from the pollinated female inflorescences and stored for germination in 2007. The variety has since been evaluated and selected by Wilmar and Sugar Research Australia in yield trials on the Kalamia Mill Estate, and Brandon, Ingham and Bundaberg stations and sites within the sugarcane growing area in the Burdekin, Herbert and Southern regions. Standard commercial varieties were also included in the yield trials for comparative purposes. After an initial seedling stage (using seed from the cross), all subsequent stages have involved vegetative propagation. The variety has been grown through three stages of selection and was found to be uniform and stable. Breeder: Sugar Research Australia, Indooroopilly, QLD and Wilmar Sugar Pty Ltd, Townsville, 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
Internode	cross-section	circular
Node	width of bud wing	narrow

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Q240'	
'Q242'	

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

Organ/Plant Part: Context	'SRAW33'	'Q240'	'Q242'
☐ *Plant: adherence of leaf sheath	weak to medium	weak to medium	weak to medium
☒ *Internode: shape	slightly concave-convex	cylindrical	cylindrical

☐ Internode: cross-section	circular	circular	circular
☒ *Internode: colour where exposed to sun (RHS colour chart)	Greyed-Purple 187C; Yellow-Green N144A.	Greyed-Purple 184A,C; Yellow-Green 152A,D.	Greyed-Red 181A,C; Yellow-Green 152D.
☒ *Internode: colour where not exposed to sun (RHS colour chart)	Yellow-Green 152C; Greyed-Yellow 160A,B.	Yellow-Green 146C; Greyed-Yellow 162C.	Yellow-Green 151A; Greyed-Yellow 162C.
☒ Internode: depth of growth crack	medium	absent or very shallow	medium
☐ *Internode: expression of zigzag alignment	very weak to weak	weak	weak
☒ Internode: waxiness	weak to medium	medium to strong	weak
☒ Node: wax ring	medium	very narrow to narrow	absent or very narrow
☒ *Node: shape of bud	round	ovate	triangular-pointed to ovate
☒ Node: bud prominence	medium	weak	weak
☒ Node: depth of bud groove	shallow to medium	absent or very shallow	absent or very shallow
☒ Node: length of bud groove	short to medium	medium to long	medium
☐ Node: bud tip in relation to growth ring	intermediate	intermediate	clearly above
☐ Node: bud cushion	very narrow to narrow	narrow	narrow to medium
☐ Node: width of bud wing	narrow	narrow	narrow
☐ Leaf sheath: number of hairs	absent or very few	absent or very few	absent or very few
☐ Leaf sheath: shape of ligule	crescent-shaped	crescent-shaped	crescent-shaped and deltoid
☒ Leaf sheath: ligule width	medium	wide	medium
☒ Leaf sheath: length of ligule hairs	short	short to medium	medium to long
☐ Leaf sheath: density of ligule hairs	sparse to medium	medium to dense	sparse to medium

☒ Leaf sheath: shape of underlapping auricle	deltoid	lanceolate	transitional
☐ Leaf sheath: size of underlapping auricle	small	medium to large	
☒ Leaf sheath: shape of overlapping auricle	transitional	lanceolate	transitional

Statistical Table

Organ/Plant Part: Context	**'SRAW33'**	**'Q240'**	**'Q242'**
☐ Internode: length on the bud side (cm)			
Mean	16.80	15.91	15.24
Std. Deviation	1.96	1.54	1.71
Lsd/sig	2.35	ns	ns
☐ Internode: diameter (mm)			
Mean	27.19	27.33	20.90
Std. Deviation	2.72	4.25	2.84
Lsd/sig	3.52	ns	P≥0.01
☒ Node: width of root band (mm)			
Mean	10.17	9.66	6.76
Std. Deviation	1.18	0.81	0.90
Lsd/sig	2.06	ns	P≥0.01
☐ Node: width of bud (mm)			
Mean	8.00	6.76	5.61
Std. Deviation	0.72	1.30	0.67
Lsd/sig	2.08	ns	ns

Prior Applications and Sales: Nill**Description: Clair Bolton**, Sugar Research Australia, Indooroopilly, QLD

Sugarcane (*Saccharum* hybrid) variety 'SRAW33' with comparators 'Q242' and 'Q240'

Details of Application

Application Number	2022/180
Variety Name	'LICS20-0004'
Genus Species	*Lactuca sativa*
Common Name	Lettuce
Accepted Date	18 Oct 2022
Applicant	Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058 Switzerland
Agent	Syngenta Australia Pty. Ltd., Macquarie Park, NSW 2113
Qualified Person	David Gillespie

Details of Comparative Trial

Overseas Testing Authority	Naktuinbouw, Netherlands
Overseas Data Reference Number	SLA4480
Location	Naktuinbouw, ROELOFARENDSVEEN, Netherlands
Descriptor	adapted from TP/13/6 Rev d.d. 15-02-2019 the Netherlands, TG/13/11 Australia
Period	2021-2022
Conditions	Not available.
Trial Design	Not Available.
Measurements	Not Available.
RHS Chart - edition	Not available.

Origin and Breeding

Controlled pollination: An F1 hybrid was obtained between a breeding line 11AMT000126 and a Syngenta advanced line coded 12LEN002514. Selections were made following selfing with the below criteria: Head size and weight as yield, outer leaves that provided head protection, speed of internal filling, cold tolerance and Bremia lactucae disease resistance via Molecular Assisted selection. First observations were at Torre-Pacheco, Spain in 2014. There were seven cycles of selection and the best types for bottom quality (smooth veins) and head yield were retained. An extra two cycles were grown for uniformity and stability of the variety. Small and large scale trials were grown to determine the best time slot for the variety in each specific location. Breeder: Syngenta Crop Protection AG.

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	iceberg
Seed	colour	black
Leaf	anthocyanin coloration	absent or very weak
Plant	time of beginning of bolting	very late
Plant	resistance to *bremia lactucae* isolate bi: 16 eu	present
Plant	resistance to *bremia lactucae* isolate bi: 29 eu	present

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Siberika'	similar to the candidate in 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	'LICS20-0004'	'Siberika'
☐ Seed: colour	black	
☐ Plant: diameter	medium to large	medium to large
☐ Plant: degree of overlapping of upper part of leaves	strong	
☐ Leaf: attitude	semi-erect	
☐ Leaf: number of divisions	absent or very few	
☐ Leaf: shape	narrow oblate	
☐ Leaf: shape of apex	rounded	
☐ Leaf: longitudinal section	flat	
☐ Leaf: anthocyanin colouration	absent or very weak	
☐ Leaf: colour	green	
☐ Leaf: intensity of green colour	medium to dark	

☐	Leaf: glossiness of upper side	weak	
☐	Leaf: thickness	thick	
☒	Leaf: blistering	medium	weak to medium
☐	Leaf: size of blisters	small	
☒	Leaf: undulation of margin	weak to medium	weak
☐	Leaf: type of incisions of margin	irregularly dentate	
☐	Leaf: depth of incisions of margin	shallow	
☐	Leaf: depth of secondary incisions of margin	very shallow to shallow	
☐	Leaf: density of incisions of margin	sparse to medium	
☐	Leaf: venation	not flabellate	
☐	Head: size	medium to large	
☐	Head: shape in longitudinal section	narrow oblate	
☐	Head: density	very dense	
☐	Upper part of leaves: time of harvest maturity	late	
☐	Plant: time of beginning of bolting	very late	
☐	Plant: axillary sprouting	absent or weak	
☐	Bolting stem: fasciation	absent or very weak	
☐	Resistance to *Bremia lactucae* (Bl) Isolate Bl: 16	present	
☐	Resistance to *Bremia lactucae* (Bl) Isolate Bl: 17	present	
☐	Resistance to *Bremia lactucae (*Bl) Isolate Bl: 20	present	
☐	Resistance to *Bremia lactucae* (Bl) Isolate Bl: 21	present	
☐	Resistance to *Bremia lactucae* (Bl) Isolate Bl: 22	present	
☐	Resistance to *Bremia lactucae* (Bl) Isolate Bl: 23	present	
☐	Resistance to *Bremia lactucae* (Bl) Isolate Bl: 24	present	
☐	Resistance to *Bremia lactucae* (Bl) Isolate Bl: 25	present	

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

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'LICS20-0004'	'Siberika'
☐ **P**lant: Resistance to *Bremia lactucae* (Bl) Isolate 35	present	
☐ Plant: Resistance to *Bremia lactucae* (Bl) Isolate 33	present	

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2020	Granted	'Ice Platine'
Netherlands	2019	Granted	'Ice Platine'

First sold on 1 October 2021 in Australia.

Description: **David Gillespie**, Ormiston QLD 4610

Lettuce (*Lactuca sativa*) - 'LICS20-0004'

Details of Application

Application Number	2022/211
Variety Name	'CLARISS'
Genus Species	*Prunus persica* var. *nucipersica*
Common Name	Nectarine
Accepted Date	21 Dec 2022
Applicant	PSB Produccion Vegetal S.L, Pliego, Murcia, E-30176, Spain
Agent	Krys Lockhart, VIC
Qualified Person	Krys Lockhart

Details of Comparative Trial

Overseas Testing Authority	*Spanish Plant Varieties Office (OEVV)*
Overseas Data Reference Number	CPVO: 20142513
Location	Agri-Food Research and Technology Centre of Aragon (CITA), Saragossa, Spain
Descriptor	Nectarine (new) (Prunus persica), Test guidelines used in OS report: CPVO TP 53/2 rev
Period	2017, 2018
Conditions	Information not provided
Trial Design	Information not provided
Measurements	Information not provided
RHS Chart - edition	N/A

Origin and Breeding:

Open pollination: The breeder PSB Produccion Vegetal S.L completed crosses between the maternal (seed parent) and the paternal (pollen parent) in the spring of 2012. Following this the fruit of this cross was gathered in the summer of 2012 and the seeds were removed, cracked, stratified, germinated, and grown as seedlings on their own root in greenhouses. Once dormant the group of seedlings was transplanted to an area of orchard located in Pliego, Murcia, Spain. During the fruit evaluation season of 2014 the present variety as a single tree from the group of seedlings was selected and denominate 4052-22 NJ. Subsequent to origination of the present variety of nectarine tree, the variety was then asexually reproduced by budding and grafting onto hybrid peach rootstock in the orchard and such reproduction of plant and fruit characteristics were found to be true to type to the original plant in all respects. Breeder: PSB Produccion Vegetal S.L, Pliego, Murcia, E-30176, 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
Tree	size	small to medium
Flower	type	campanulate
Leaf	red mid-vein on the lower side	absent
Petiole	nectaries	present
Petiole	shape of nectaries	reniform
Fruit	shape (in ventral view)	broad elliptic
Fruit	pubescence of skin	absent
Fruit	carotenoid coloration of flesh	orange yellow
Fruit	acidity	low
Time of beginning of flowering		medium to late
Time of maturity		medium

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'BURNECTWO'	

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

Organ/Plant Part: Context	'CLARISS'	'BURNECTWO'

☐	*Tree: size	small to medium	
☐	Tree: vigour	medium	
☒	*Tree: habit	upright to spreading	spreading
☐	Flowering shoot: thickness	thick	
☐	Flowering shoot: length of internodes	medium	
☐	Flowering shoot: presence of anthocyanin colouration	present	
☐	Flowering shoot: intensity of anthocyanin colouration	strong	
☒	Flowering shoot: density of flower buds	very sparse to sparse	medium
☐	*Flower: type	campanulate	
☐	*Corolla: main colour (inner side)	dark pink	
☐	*Petal: shape	medium ovate	
☐	Petal: width (varieties with flower type: campanulate only)	broad	
☐	*Flower: number of petals	five	
☐	Stamen: position compared to petals	above	
☐	*Stigma: position compared to anthers	same level	
☐	*Anthers: pollen	present	
☐	*Ovary: pubescence	absent	
☐	Stipule: length	very short to short	
☐	*Leaf blade: length	medium to long	
☐	*Leaf blade: width	medium to broad	
☐	*Leaf blade: ratio length/width	low	
☐	Leaf blade: shape in cross section	concave	
☐	Leaf blade: margin	shallow serrate	

☐ Leaf blade: angle at base	right angle	
☒ Leaf blade: angle at apex	medium	small
☐ Leaf blade: colour	medium green	
☐ Leaf blade: red mid vein on the lower side	absent	
☐ Petiole: length	short	medium
☐ *Petiole: nectaries	present	
☐ *Petiole: shape of nectaries	reniform	
☒ *Fruit: size	small to medium	medium to large
☐ *Fruit: shape (in ventral view)	broad elliptic	
☐ Fruit: mucron tip at pistil end	absent	
☐ Fruit: shape of pistil end (excluding mucron tip)	weakly depressed	
☐ Fruit: symmetry (viewed from pistil end)	strongly asymmetric	
☐ Fruit: prominence of suture	medium to strong	
☒ Fruit: depth of stalk cavity	deep	medium
☐ Fruit: width of stalk cavity	narrow to medium	
☐ *Fruit: ground colour of skin	cream yellow	
☐ *Fruit: relative area of over colour of skin	large to very large	
☐ Fruit: hue of over colour of skin	medium red	
☐ Fruit: pattern of over colour of skin	mottled	
☐ *Fruit: pubescence of skin	absent	
☐ Fruit: glossiness (varieties with fruit pubescence: absent only)	strong	
☐ Fruit: conspicuousness of lenticels (varieties with fruit pubescence: absent only)	medium	
☐ Fruit: thickness of skin	medium	
☐ Fruit: adherence of skin to flesh	strong	

☐	*Fruit: firmness of flesh	firm to very firm	
☐	*Fruit: carotenoid colouration of flesh	orange yellow	
☐	*Fruit: anthocyanin colouration of flesh next to skin	weak	
☐	*Fruit: anthocyanin colouration of flesh around stone	medium	
☐	Fruit: flesh fiber	strong	
☒	Fruit: sweetness	high	medium
☒	*Fruit: acidity	low	very high
☐	*Stone: size compared to fruit	medium	
☐	*Stone: shape (in lateral view)	elliptic	
☐	Stone: anthocyanin colouration	medium	
☒	Stone: intensity of brown colour	dark	medium
☐	Stone: relief of surface	equally pits and grooves	
☐	*Stone: adherence to flesh	absent	
☐	Time of : beginning of leaf bud burst	early to medium	
☐	*Time of: beginning of flowering	medium to late	
☐	*Time of: maturity for consumption	medium	

Prior Applications and Sales:

Country	Year	Status	Name Applied
Spain	2014	granted	'CLARISS'
Chile	**2017**	granted	'CLARISS'

First sold overseas in Jan 2020.

Description: **Krys Lockhart**, VIC 3804

'CLARISS'

Nectarine *(Prunus persica* var. *nucipersica) variety 'CLARISS'*

Details of Application

Application Number	2022/212
Variety Name	'KINOLEA'
Genus Species	*Prunus persica* var. *nucipersica*
Common Name	Nectarine
Accepted Date	21 Dec 2022
Applicant	PSB Produccion Vegetal S.L, Pliego, Murcia, E-30176, Spain
Agent	Krys Lockhart, VIC
Qualified Person	Krys Lockhart

Details of Comparative Trial

Overseas Testing Authority	*Spanish Plant Varieties Office (OEVV)*
Overseas Data Reference Number	*CPVO: 20142512*
Location	Agri-Food Research and Technology Centre of Aragon (CITA), Saragossa, Spain
Descriptor	Nectarine (new) (*Prunus persica*), Test guidelines used in OS report: CPVO TP 53/2 rev
Period	2017, 2018
Conditions	Information not provided
Trial Design	Information not provided
Measurements	Information not provided
RHS Chart - edition	N/A

Origin and Breeding

Open pollination: The breeder PSB Produccion Vegetal S.L completed crosses between the maternal (seed parent) and the paternal (pollen parent) in the spring of 2012. Following this the fruit of this cross was gathered in the summer of 2012 and the seeds were removed, cracked, stratified, germinated, and grown as seedlings on their own root in greenhouses. Once dormant the group of seedlings was transplanted to an area of orchard located in Pliego, Murcia, Spain. During the fruit evaluation season of 2014, the present variety as a single tree from the group of seedlings was selected and denominated 4052-15. Subsequent to origination of the present variety of nectarine tree, the variety was then asexually reproduced by budding and grafting onto hybrid peach rootstock in the orchard and such reproduction of plant and fruit

characteristics were found to be true to type to the original plant in all respects. Breeder: PSB Produccion Vegetal S.L, Pliego, Murcia, E-30176, 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
Tree	size	medium
Flower	type	rosette
Leaf	red mid-vein on the lower side	absent
Petiole	nectaries	present
Petiole	shape of nectaries	reniform
Fruit	shape (in ventral view)	broad elliptic
Fruit	pubescence of skin	absent
Fruit : carotenoid coloration of flesh		orange yellow
Fruit : acidity		low
Time of beginning of flowering		medium
Time of maturity		late

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'TARADERIN A'	
'NETIX30-2'	

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

Organ/Plant Part: Context	'KINOLEA'	'NETIX30-2'	'TARADERIN A'
☐ *Tree: size	medium		
☐ Tree: vigour	medium		
☐ *Tree: habit	upright to spreading		
☒ Flowering shoot: thickness	medium		medium to thick

☒ Flowering shoot: length of internodes	short to medium	medium to long	
☐ Flowering shoot: presence of anthocyanin colouration	present		
☐ Flowering shoot: intensity of anthocyanin colouration	medium to strong		
☒ Flowering shoot: density of flower buds	very sparse to sparse		very sparse
☐ *Flower: type	rosette		
☐ *Corolla: main colour (inner side)	medium pink		
☒ *Petal: shape	medium ovate	circular	narrow elliptic
☐ Petal: width (varieties with flower type: campanulate only)	narrow		
☐ *Petal: width (varieties with flower type: rosette only)	narrow		
☐ *Flower: number of petals	more than five		
☒ Stamen: position compared to petals	above		below
☐ *Stigma: position compared to anthers	above		
☐ *Anthers: pollen	present		
☐ *Ovary: pubescence	absent		
☐ Stipule: length	very short to short		
☐ *Leaf blade: length	long		
☐ *Leaf blade: width	medium to broad		
☐ *Leaf blade: ratio length/width	medium		
☐ Leaf blade: shape in cross section	concave		
☐ Leaf blade: margin	shallow serrate		
☐ Leaf blade: angle at base	right angle		
☐ Leaf blade: angle at apex	small to medium		

☐ Leaf blade: colour	medium green		
☐ Leaf blade: red mid vein on the lower side	absent		
☐ Petiole: length	medium		
☐ *Petiole: nectaries	present		
☐ *Petiole: shape of nectaries	reniform		
☐ *Fruit: size	medium to large		
☐ *Fruit: shape (in ventral view)	broad elliptic		
☐ Fruit: mucron tip at pistil end	absent		
☐ Fruit: shape of pistil end (excluding mucron tip)	weakly depressed		
☐ Fruit: symmetry (viewed from pistil end)	moderately asymmetric		
☐ Fruit: prominence of suture	medium to strong		
☐ Fruit: depth of stalk cavity	medium to deep		
☐ Fruit: width of stalk cavity	medium		
☐ *Fruit: ground colour of skin	greenish yellow		
☐ *Fruit: relative area of over colour of skin	large		
☐ Fruit: hue of over colour of skin	medium red		
☐ Fruit: pattern of over colour of skin	mottled		
☐ *Fruit: pubescence of skin	absent		
☐ *Fruit: density of pubescence of skin	medium		
☐ Fruit: glossiness (varieties with fruit pubescence: absent only)	medium		
☐ Fruit: conspicuousness of lenticels (varieties with fruit pubescence: absent only)	medium		
☒ Fruit: thickness of skin	medium	thick	
☐ Fruit: adherence of skin to flesh	strong		

☐ *Fruit: firmness of flesh	firm		
☐ *Fruit: carotenoid colouration of flesh	orange yellow		
☐ *Fruit: anthocyanin colouration of flesh next to skin	absent or very weak		
☒ *Fruit: anthocyanin colouration of flesh in central part of flesh	weak	absent or very weak	
☒ *Fruit: anthocyanin colouration of flesh around stone	strong	medium	
☐ Fruit: flesh fiber	absent or weak		
☐ Fruit: sweetness	high		
☐ *Fruit: acidity	low		
☐ *Stone: size compared to fruit	medium		
☐ *Stone: shape (in lateral view)	elliptic		
☐ Stone: anthocyanin colouration	very strong		
☐ Stone: intensity of brown colour	medium		
☒ Stone: relief of surface	predominantly pits		predominantly grooves
☐ *Stone: adherence to flesh	present		
☐ Stone: degree of adherence to flesh	weak to medium		
☐ Time of : beginning of leaf bud burst	very early to early		
☐ *Time of: beginning of flowering	medium		
☐ *Time of: maturity for consumption	late		

Prior Applications and Sales:

Country	Year	Status	Name Applied
Spain	2014	granted	'KINOLEA'
Chile	2017	granted	'KINOLEA'
South Africa	2019	applied	'KINOLEA'

First sold overseas in Jan 2020

Description: **Krys Lockhart**, VIC 3804

‘KINOLEA’

Nectarine (*Prunus persica* var. *nucipersica*) variety ‘KINOLEA’

Details of Application

Application Number	2022/295
Variety Name	'Prim 31'
Genus Species	*Prunus avium* L.
Common Name	Sweet Cherry
Synonym	'B 062'
Accepted Date	06 Mar 2023
Applicant	Cerasina GmbH, Kressbronn am Bodensee, Baden-Wurttemberg, 88079, Germany
Agent	Eurofins Agroscience Services, VIC
Qualified Person	Leslie Mitchell

Details of Comparative Trial

Overseas Testing Authority	GEVES, France
Overseas Data Reference Number	DEE 4076669
Location	INRA Villenave d'Ornon (33), France
Descriptor	TG35/7 Sweet Cherry (*Prunus avium*)
Period	2017/2021
Conditions	Field grown under simulated commercial conditions
Trial Design	As per TG
Measurements	As per TG
RHS Chart - edition	N/A

Origin and Breeding

Controlled pollination: Controlled crosses were made between the unpatented variety 'Tieton' (as the maternal parent) and an unnamed variety of *P. avium* (as the pollen parent), at Kressbronn in Germany. Seeds were planted into the field and grown to fruiting maturity when the first observations were made. One variety showed outstanding fruit size with moderate firmness and desirable flavour. It was coded as 'B062' for further evaluation. Superior fruit quality characters were maintained through subsequent seasons and the variety was then named Prim 31 for commercialisation. Throughout the evaluation period and through several

generations of vegetative propagation the variety has remained stable and true to type. Breeder: Peter Stoppel, Cerasina GmbH, 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
Fruit	size	large
Fruit	colour of the skin	dark red
Fruit	colour of the flesh	dark red
Fruit	firmness	firm
Tree	time to beginning of flowering	medium
Tree	time to beginning of fruit ripening	early to medium

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Prim 23'	

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

Organ/Plant Part: Context	'Prim 31'	'Prim 23'
☐ Tree: vigour	weak to medium	
☐ *Tree: habit	semi-upright	
☒ *Tree: branching	medium	weak to medium
☐ Young shoot: anthocyanin colouration of apex	strong	
☐ Young shoot: pubescence of apex	medium to strong	
☐ *One-year-old shoot: length of internode	normal	
☒ One-year-old shoot: number of lenticels	many	medium to many
☐ One-year-old shoot: thickness	thick	

☐	Leaf blade: length	long to very long	
☐	Leaf blade: width	broad	
☐	*Leaf blade: ratio length/width	medium	
☒	Leaf blade: intensity of green colour of upper side	medium to dark	medium
☐	*Leaf: length of petiole	medium to long	
☐	Leaf: ratio length of blade/length of petiole	medium to large	
☐	*Leaf: presence of nectaries	present	
☒	Nectaries: colour	light red	orange yellow
☐	Flower: diameter	medium	
☐	Flower: shape of petal	broad obovate	
☐	Flower: arrangement of petals	intermediate	
☐	*Fruit: size	large to very large	
☐	*Fruit: shape	reniform	
☐	Fruit: pistil end	depressed	
☐	Fruit: suture	absent or very weakly conspicuous	
☐	*Fruit: length of stalk	short	
☐	Fruit: thickness of stalk	medium to thick	
☒	Fruit: abscission layer between stalk and fruit	absent	present
☐	*Fruit: colour of skin	dark red	
☒	Fruit: size of lenticels on skin	small to medium	small
☒	Fruit: number of lenticels on skin	medium to many	medium
☐	Fruit: thickness of skin	thick	
☐	*Fruit: colour of flesh	dark red	
☐	Fruit: colour of juice	purple	

☐	*Fruit: firmness	firm	
☒	Fruit: acidity	low	low to medium
☐	Fruit: sweetness	high to very high	
☒	Fruit: juiciness	weak	medium
☐	*Stone: size	large	
☒	*Stone: shape in ventral view	medium elliptic	broad elliptic
☐	*Fruit: ratio weight of fruit/weight of stone	small to medium	
☐	*Time of: beginning of flowering	medium	
☐	*Time of: beginning of fruit ripening	early to medium	

Prior Applications and Sales:

Country	Year	Status	Name Applied
Germany	2016	granted	'Prim 31'
European Union	2018	granted	'Prim 31'
Switzerland	2019	granted	'Prim 31'

First sold in Nov 2019 in Germany

Description: Leslie Mitchell, VIC 3630

'Prim 31'

Sweet Cherry (*Prunus avium* L.) variety 'Prim 31'

Details of Application

Application Number	2023/008
Variety Name	'IB 810-4'
Genus species	*Convolvulus sabatius*
Common Name	Moroccan Glory Bind
Accepted Date	17 May 2023
Applicant	Plant Growers Australia Pty Ltd, 3 Harris Road, Wonga Park, VIC 3115
Qualified Person	Jordan Smark

Details of Comparative Trial

Location	Wonga Park, VIC
Descriptor	PBR GEN DES
Period	April 2023 - December 2023
Conditions	Trial conducted in the open, plants propagated as cuttings April 2023, and transferred to 140mm pots in July 2023. Pots were 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: the maternal parent 'IB710-1' was self-pollinated during summer 2017/18 in Wonga Park, VIC. As part of an ongoing breeding program to produce a selection with bushy to spreading plant habit, mauve petal colour, and strong petal undulation of surface. Seed was sown in January 2018 and seedlings raised to maturity in spring. At this time several initial selections were made based upon desired characteristics, these were grown on for a further twelve months to evaluate mature plant performance, and identified for further breeding. In September 2019 a final selection was made on the breeding criteria above. Several cutting generations have all 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
Leaf	colour (RHS Chart)	N137B
Leaf	variegation	absent
Corolla	primary colour	periwinkle

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'IB 810-2'	
'Moroccan Moon'	
'Full Moon'	

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 810-4'	'Full Moon'	'IB 810-2'	'Moroccan Moon'
☒ Plant: size	small to medium	large	small to medium	medium
☒ Leaf: shape	elliptic	orbicular	ovate	orbicular

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'IB 810-4'	'Full Moon'	'IB 810-2'	'Moroccan Moon'
☒ Plant: growth habit	upright	bushy to spreading	bushy to spreading	spreading
☒ Plant: density of shoots	very dense	sparse	dense	medium
☒ **S**tem: pubescence	sparse	very dense	medium	medium
☒ Leaf: length	medium	long	medium	short
☒ Leaf: width	medium to broad	very broad	broad	medium
☒ Leaf: shape of apex	acute	rounded	acuminate	rounded
☐ Leaf: colour (RHS colour chart)	Ca N137B	N137B	Ca N137B	N137B
☐ Leaf: variegation	absent	absent	absent	absent
☐ Leaf: pubescence of upper side	absent or very sparse	sparse	absent or very sparse	sparse
☐ Corolla: diameter	very large	very large	very large	large
☒ Corolla: colour (RHS colour chart)	90C	N88C	N88C	N88D

☐ Corolla: reflexing	absent	absent to weak	weak	weak
☒ Petal: presence of secondary colour	present	absent	present	present
☒ Petal: secondary colour (RHS Chart)	N88B		76B	N88B
☒ Petal: undulation of surface	present	absent	present	absent
☒ Petal: degree of undulation	very strong	absent	medium	absent
☒ Petal: petal pleating	absent	weak	strong	absent
☒ Petal: splitting of petals	absent	absent	present	absent
☐ Corolla: colour	periwinkle	periwinkle	periwinkle	periwinkle

Prior Applications and Sales:

No prior application

First sold in: 1 Feb 2022, Australia.

Description: Jordan Smark, Wonga Park, VIC 3115.

Convolvulus sabatius 'IB 810-4' and comparators 'IB 810-2', 'Moroccan Moon' and 'Full Moon'

Details of Application

Application Number	2023/009
Variety Name	'IB 810-3'
Genus Species	*Convolvulus sabatius*
Common Name	Moroccan Glory Bind
Accepted Date	17 May 2023
Applicant	Plant Growers Australia Pty Ltd, 3 Harris Road, Wonga Park, VIC 3115
Qualified Person	Jordan Smark

Details of Comparative Trial

Location	Wonga Park, VIC
Descriptor	PBR GEN DES
Period	April 2023 - December 2023
Conditions	Trial conducted in the open, plants propagated as cuttings April 2023, and transferred to 140mm pots in July 2023. Pots were 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: the maternal parent 'IB710-1' was self-pollinated during summer 2017/18 in Wonga Park, VIC. As part of an ongoing breeding program to produce a selection with bushy to spreading plant habit, purple petal colour, and strong petal undulation of surface. Seed was sown in January 2018 and seedlings raised to maturity in spring. At this time several initial selections were made based upon desired characteristics, these were grown on for a further twelve months to evaluate mature plant performance and identified for further breeding. In September 2019 a final selection was made on the breeding criteria above. Several cutting generations have all 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
Leaf	pubescence of upper side	absent or very sparse
Leaf	shape	elliptic

Leaf	length	medium
Leaf	variegation	absent
Corolla	colour	purple

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'IB 710-1'	
'New Blue Moon'	

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 810-3'	'IB 710-1'	'New Blue Moon'
☐ Plant: size	small to medium	small to medium	small

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'IB 810-3'	'IB 710-1'	'New Blue Moon'
☐ Plant: plant growth habit	upright	upright to bushy	upright
☒ Plant: density of shoots	dense	very dense	very dense
☒ Stem: pubescence	medium	medium	sparse
☐ Leaf: length	medium	medium	medium
☒ Leaf: width	medium to broad	medium to broad	narrow
☒ Leaf: leaf shape of apex	acute	mucronate	acute
☐ Leaf: colour (RHS colour chart)	137 C	137 C	137 B
☐ Leaf: variegation	absent	absent	absent
☐ Leaf: pubescence of upper side	absent or very sparse	absent or very sparse	absent or very sparse
☒ Corolla: diameter	medium	large	small to medium
☒ Corolla: colour (RHS colour chart)	90 C	N88 B	N88 B

☒ Corolla: reflexing	medium	absent to weak	absent
☒ Petal: presence of secondary colour	present	absent	absent
☐ Leaf: leaf shape	elliptic	elliptic	narrowly elliptic
☒ Petal: undulation of surface	present	absent	absent
☐ **P**etal: degree of undulation	very strong	absent	absent
☒ Petal: petal pleating	absent	weak	strong
☐ Corolla: colour	purple	purple	purple
☒ Corolla: profile shape	flat	flat	short conical

Prior Applications and Sales: **Nil.**

First sold in: 1 Feb 2022, Australia.

Description: Jordan Smark, Wonga Park, VIC 3115.

Convolvulus sabatius 'IB 810-3' and comparators 'IB 710-1' and 'New Blue Moon'

Details of Application

Application Number	2023/010
Variety Name	'IB 710-1'
Genus Species	*Convolvulus sabatius*
Common Name	Moroccan Glory Bind
Accepted Date	07 Mar 2023
Applicant	Plant Growers Australia Pty Ltd, 3 Harris Road, Wonga Park, VIC 3115
Qualified Person	Jordan Smark

Details of Comparative Trial

Location	Wonga Park, VIC
Descriptor	PBR GEN DES
Period	April 2023 - December 2023
Conditions	Trial conducted in the open, plants propagated as cuttings April 2023, and transferred to 140mm pots in July 2023. Pots were 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: the maternal parent IB510-1 (non-commercial selection) was self-pollinated during summer 2016/2017 in Wonga Park, VIC. As part of an ongoing breeding program to produce a selection with bushy to spreading plant habit, purple petal colour and medium to dense plant density. Seed was sown in January 2017 and seedlings raised to maturity in spring. At this time several initial selections were made based upon desired characteristics, these were grown on for a further twelve months to evaluate mature plant performance and identified for further breeding. In September 2019 a final selection was made on the breeding criteria above. Several cutting generations have all 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

Leaf	pubescence of upper side	absent or very sparse
Leaf	shape	elliptic
Leaf	length	medium
Leaf	variegation	absent
Corolla	colour	purple

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'New Blue Moon'	
'IB 810-3'	

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 710-1'	'IB 810-3'	'New Blue Moon'
☐ Plant: size	small to medium	small to medium	small

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'IB 710-1'	'IB 810-3'	'New Blue Moon'
☐ Plant: plant growth habit	upright to bushy	upright	upright
☐ Plant: density of shoots	very dense	dense	very dense
☒ Stem: pubescence	medium	medium	sparse
☐ Leaf: length	medium	medium	medium
☒ Leaf: width	medium to broad	medium to broad	narrow
☒ Leaf: leaf shape of apex	mucronate	acute	acute
☐ Leaf: colour (RHS colour chart)	137 C	137 C	137 B
☐ Leaf: variegation	absent	absent	absent
☐ Leaf: pubescence of upper side	absent or very sparse	absent or very sparse	absent or very sparse
☒ Corolla: diameter	large	medium	small to medium

☒ Corolla: colour (RHS colour chart)	N88 B	90 C	N88 B
☒ Corolla: reflexing	absent to weak	medium	absent
☒ Petal: presence of secondary colour	absent	present	absent
☒ Petal: undulation of surface	absent	present	absent
☐ **P**etal: degree of undulation	absent	very strong	absent
☒ Petal: petal pleating	weak	absent	strong
☐ Leaf: leaf shape	elliptic	elliptic	narrowly elliptic
☐ Corolla: colour	purple	purple	purple
☒ Corolla: profile shape	flat	short conical	flat

Prior Applications and Sales:

No prior application.

First sold in: 1 Feb 2022, Australia.

Description: Jordan Smark, Wonga Park, VIC 3115.

Convolvulus sabatius 'IB 710-1' and comparators'IB 810-3' and 'New Blue Moon'

Details of Application

Application Number	2023/011
Variety Name	'IB 710-17'
Genus Species	*Convolvulus sabatius*
Common Name	Moroccan Glory Bind
Accepted Date	17 May 2023
Applicant	Plant Growers Australia Pty Ltd, 3 Harris Road, Wonga Park, VIC 3115
Qualified Person	Jordan Smark

Details of Comparative Trial

Location	Wonga Park, VIC
Descriptor	PBR GEN DES
Period	April 2023 - December 2023
Conditions	Trial conducted in the open, plants propagated as cuttings April 2023, and transferred to 140mm pots in July 2023. Pots were 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: the maternal parent IB510-1 (non-commercial selection) was self-pollinated during summer 2016/2017 in Wonga Park, VIC. As part of an ongoing breeding program to produce a selection with bushy to spreading plant habit, stable white petal colour and small to medium leaf size. Seed was sown in January 2017 and seedlings raised to maturity in spring. At this time several initial selections were made based upon desired characteristics, these were grown on for a further twelve months to evaluate mature plant performance, and identified for further breeding. In September 2019 a final selection was made on the breeding criteria above. Several cutting generations have all 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
Leaf	shape	elliptic

Leaf	shape of apex	rounded
Leaf	variegation	absent
Petal	pleating	absent
Corolla	colour	white
Corolla	stability of predominant colour	present

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Arcticmoon'	
'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 710-17'	'Arcticmoon'	'White'
☒ Plant: size	small	medium to large	medium

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'IB 710-17'	'Arcticmoon'	'White'
☒ Plant: plant growth habit	upright	spreading	bushy to spreading
☒ Plant: density of shoots	very dense	medium	very dense
☐ **S**tem: pubescence	sparse	sparse	absent or very sparse
☒ Leaf: length	short to medium	medium to long	medium to long
☒ Leaf: width	medium	medium to broad	broad
☐ Leaf: leaf shape of apex	rounded	rounded	rounded
☐ Leaf: colour (RHS colour chart)	137 B	137 B	137 C
☐ Leaf: variegation	absent	absent	absent
☐ Leaf: pubescence of upper side	absent or very sparse	absent or very sparse	absent or very sparse
☒ Corolla: diameter	small	large	medium to large

☐ Corolla: colour (RHS colour chart)	whiter than NN155 D	whiter than NN155 D	whiter than NN155 D
☒ Corolla: reflexing	weak to medium	medium to strong	absent to weak
☒ Petal: presence of secondary colour	absent	present	present
☐ Petal: secondary colour (RHS Chart)	absent	72 B	N89 C
☐ Petal: petal pleating	absent	absent	absent
☐ Corolla: colour	white	white	white
☐ Leaf: leaf shape	broadly elliptic	elliptic	broadly elliptic
☐ Corolla: stability of predominant colour	present	present	present
☒ Corolla: profile shape	short conical	long conical	medium conical

Prior Applications and Sales:

No prior applications.

First sold in: 1 Feb 2022, Australia.

Description: Jordan Smark, Wonga Park, VIC 3115.

Convolvulus sabatius 'IB 710-17' and comparators 'Arcticmoon' and 'White'

Details of Application

Application Number	2023/012
Variety Name	'IB 810-2'
Genus Species	*Convolvulus sabatius*
Common Name	Moroccan Glory Bind
Accepted Date	07 Mar 2023
Applicant	Plant Growers Australia Pty Ltd, 3 Harris Road, Wonga Park, VIC 3115
Qualified Person	Jordan Smark

Details of Comparative Trial

Location	Wonga Park, VIC
Descriptor	PBR GEN DES
Period	April 2023 - December 2023
Conditions	Trial conducted in the open, plants propagated as cuttings April 2023, and transferred to 140mm pots in July 2023. Pots were 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: the maternal parent 'Arcticmoon' was self-pollinated during summer 2017/2018 in Wonga Park, VIC. As part of an ongoing breeding program to produce a selection with bushy to spreading plant habit, mauve petal colour, and petal pleating. Seed was sown in January 2018 and seedlings raised to maturity in spring. At this time several initial selections were made based upon desired characteristics, these were grown on for a further twelve months to evaluate mature plant performance and identified for further breeding. In September 2019 a final selection was made on the breeding criteria above. Several cutting generations have all 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
Leaf	colour (RHS Chart)	N137 B
Leaf	variegation	absent
Corolla	primary colour	Periwinkle

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'IB 810-4'	
'Moroccan Moon'	
'Full Moon'	

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 810-2'	'Full Moon'	'IB 810-4'	'Moroccan Moon'
☒ Plant: size	small to medium	large	small to medium	medium
☒ Leaf: shape	ovate	orbicular	elliptic	orbicular

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'IB 810-2'	'Full Moon'	'IB 810-4'	'Moroccan Moon'
☒ Plant: plant growth habit	bushy to spreading	bushy to spreading	upright	spreading
☒ Plant: density of shoots	dense	sparse	very dense	medium
☒ Stem: pubescence	medium	very dense	sparse	medium
☒ Leaf: length	medium	long	medium	short
☒ Leaf: width	broad	very broad	medium to broad	medium
☒ Leaf: leaf shape of apex	acuminate	rounded	acute	rounded
☐ Leaf: colour (RHS colour chart)	N137 B	N137 B	N137 B	N137 B
☐ Leaf: variegation	absent	absent	absent	absent
☐ Leaf: pubescence of upper side	absent or very sparse	sparse	absent or very sparse	sparse
☒ Corolla: diameter	very large	very large	very large	large
☒ Corolla: colour (RHS colour chart)	N88 C	N88 C	90 C	N88 D
☒ Corolla: reflexing	weak	absent to weak	absent	weak

☒ Petal: presence of secondary colour	present	absent	present	present
☒ Petal: secondary colour (RHS Chart)	76 B		N88 B	N88 B
☒ Petal: undulation of surface	present	absent	present	absent
☒ Petal: degree of undulation	medium	absent	very strong	absent
☒ Petal: petal pleating	strong	weak	absent	absent
☒ Petal: splitting of petals	present	absent	absent	absent
☐ Corolla: colour	periwinkle	periwinkle	periwinkle	periwinkle

Prior Applications and Sales:

No prior applications.

First sold in: 1 Feb 2022, Australia.

Description: Jordan Smark, Wonga Park, VIC 3115.

Convolvulus sabatius 'IB 810-2' and comparators 'IB 810-4','Moroccan Moon' and 'Full Moon'

Details of Application

Application Number	2023/039
Variety Name	'Dark Vader'
Genus Species	*Brassica oleracea L.convar.Botrytis* (L) Alef. Var. *botrytis*
Common Name	Cauliflower
Accepted Date	03 Apr 2023
Applicant	Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058 Switzerland
Agent	Syngenta Australia Pty.Ltd., Macquarie Park, NSW 2113
Qualified Person	David Gillespie

Details of Comparative Trial

Overseas Testing Authority	Naktuinbouw, Netherlands
Overseas Data Reference Number	KBL1107
Location	Naktuinbouw, ROELOFARENDSVEEN, Netherlands
Descriptor	TP/45/2 Rev. 2 d.d. 01-01-2018 Netherlands, adapted to TG/45/6
Period	2021-2022
Conditions	Not Known
Trial Design	Not Known
Measurements	as per TG
RHS Chart - edition	not known

Origin and Breeding

Controlled pollination: 'Dark Vader' is a hybrid variety from the following parents. The female parent has been bred through several cycles of backcrosses with the maintainer after Cytoplasmic Male Sterility was introduced by a doner cytoplasm. the male parent was developed after several cycles of crosses, selections and then inbred until fixed by selfing. The candidate was chosen after a process of selection over 6 years amongst a set of similar varieties. Selection criteria were curd quality (shape, size and colour) as well as yield and plant habit and good adaptability under different environmental conditions. The variety also has a high amount of anthocyanin to provide a healthy product. Breeder: Zsolt Galli - Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058 Switzerland.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Seedling	anthocyanin coloration of hypocotyl	present
Curd	colour	violet
Curd	texture	medium to coarse
Flower	colour	white
Male	sterility	total
Plant maturity	earliness in summer planting	medium

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Depurple'	similar to the candidate variety in 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	'Dark Vader'	'Depurple'
☐ *Seedling: anthocyanin colouration of hypocotyl	present	
☐ Plant: height	medium to tall	
☐ Outer stem: length	medium	
☐ *Leaf: attitude	semi-erect	
☐ Leaf: length	long	
☐ Leaf: width	medium to broad	
☐ Leaf: lobing	absent	
☒ Leaf: colour	grey green	blue green
☐ Leaf: intensity of colour	medium to dark	medium to dark
☐ Leaf: torsion of tip	very weak to weak	
☐ Leaf: shape in cross section	concave	
☐ Leaf: blistering	weak to medium	

☐ Leaf: crimping near main vein	weak	
☐ Leaf: undulation of margin	weak	
☐ *Curd: covering by inner leaves	partly covered	
☐ *Curd: height	short to medium	
☐ *Curd: diameter	medium	
☐ *Curd: doming	weak to medium	
☐ Curd: knobbling	medium	
☐ Curd: texture	medium to coarse	
☐ Curd: anthocyanin colouration after harvest maturity	present	
☐ *Flower: colour	white	
☐ Earliness in: specific growing season	medium	medium

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Dark Vader'	'Depurple'
☐ Curd: colour	violet	violet
☐ Male: sterility	total	
☐ Leaf: ratio of width/length	medium	

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2020	Granted	'Dark Vader'

First sold on 11 Jan 2021 in Germany.

Description: **David Gillespie**, Ormiston QLD 4610

Cauliflower *(Brassica oleracea* L. *convar. Botrytis (L)* Alef. *Var. botrytis)* - 'Dark Vader'

Details of Application

Application Number	2023/055
Variety Name	'Magnate'
Genus Species	*Hordeum vulgare*
Common Name	Barley
Synonym	Nil
Accepted Date	30-Mar-2023
Applicant	The New Zealand Institute for Plant and Food Research Ltd, Auckland, NZ.
Agent	Barenbrug Australia Pty Ltd, Dandenong, VIC.
Qualified Person	Allen Newman

Details of Comparative Trial

Location	Howlong, NSW
Descriptor	Barley (*Hordeum vulgare*) TG/19/11
Period	May - Oct 2023
Conditions	The trial was sown at 60kg/ha into good moisture with 100kg/ha MAP. Irrigation applied sparingly in April, May and September due to inadequate rainfall.
Trial Design	Randomised plots 1.2m x 5m in 4 replicates
Measurements	15 plants randomly selected per plot (60 measurements per variety) from a total of more than 1,000 plants.
RHS Chart - edition	N/A

Origin and Breeding

Controlled pollination: original cross was made in 2010 at Lincoln, New Zealand, the crossed seed was multiplied then the resulting F2 seed sent to Barenbrug seeds in 2011. In 2013 an F2 single spaced plant nursery was established at Howlong, NSW. Single heads were harvested off the best plants (selected based on biomass, maturity, awnless, 2-row and white grain). The F3 single heads were planted in 2014 into hill plots for observation and the best were harvested based on the same selection criteria. In 2015, rows (2m long) of each selected line were planted in a nursery and evaluated based on the same selection criteria. Seed was harvested off the most superior 22 lines (single heads were also harvested and retained for purification of each line). The 22 lines were entered into a replicated plot trial in 2016 to evaluate their dry matter yield. Ten lines were chosen to advance to replicated forage yield trials in 2017 with only 3 lines being selected. Eventually one line was selected (CFR2886 PS-19) and wider scale evaluation continued as well as purification of the seed line. Breeder: The New Zealand Institute for Plant and Food Research Ltd, Auckland, NZ.

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	seasonal type	spring
Grain	colour	white
Awn	length	very short

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Kraken'	White-grained, 2-row, awnless, spring-type forage barley

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
'Harpoon'	Ear: number of rows	two	six	
'Dictator 2'	Grain : colour	white	black	
'Moby'	Ear: number of rows	two	six	

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

Organ/Plant Part: Context	'Magnate'	'Kraken'
☐ Kernel: colour of aleurone layer	whitish	whitish
☐ Plant: growth habit	semi-erect to intermediate	semi-erect to intermediate
☐ Plant: intensity of green colour	light	medium
☐ Lowest leaves: hairiness of leaf sheath	absent	absent
☒ Flag leaf: anthocyanin coloration of auricles	absent or very weak	weak to medium

☐ Flag leaf: attitude	erect to semi-erect	erect
☐ Ear: Time of emergence	medium	medium
☐ Flag leaf: glaucosity of sheath	weak	weak
☐ Awns: anthocyanin colouration of tips	absent or very weak	absent or very weak
☐ Ear: glaucosity	weak	weak
☐ Ear: attitude	erect	erect
☐ Grain: anthocyanin coloration of nerves of lemma	absent or very weak	absent or very weak
☐ Plant: length	medium to long	medium
☐ Ear: number of rows	two	two
☐ Ear: development of sterile spikelets	full	full
☐ Sterile spikelet: attitude	parallel to divergent	parallel to divergent
☐ Ear: shape	parallel	parallel
☐ Ear: density	medium	medium
☒ Ear: length	medium to long	medium
☐ Awn: length	very short	very short
☐ Rachis: length of first segment	medium	short to medium
☐ Rachis: curvature of first segment	weak to medium	medium
☒ Median spikelet: length of glume and its awn relative to grain	much longer	equal
☐ Grain: rachilla hair type	short	short
☐ Grain: spiculation of inner lateral nerves of dorsal side of lemma	absent or very weak	absent or very weak
☐ Grain: type	husked	husked
☐ Grain: hairiness of ventral furrow	absent	absent
☐ Lemma: shape of base	non-bevelled	non-bevelled

☐ Seasonal type:	spring type	spring type

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Magnate'	'Kraken'
☒ Plant: anthocyanin coloration of lower stem during tillering	absent or very weak	weak to medium
☒ Plant: leaf colour	137B	137C

Statistical Table

Organ/Plant Part: Context	'Magnate'	'Kraken'
☒ Flag Leaf: Length (mm)		
Mean	227.80	125.50
Std. Deviation	31.00	25.90
Lsd/sig	14.99	P≤0.01
☒ Ear: Length (mm)		
Mean	122.30	113.80
Std. Deviation	8.00	8.60
Lsd/sig	5.12	P≤0.01
☒ Plant: Length (cm)		
Mean	143.30	111.90
Std. Deviation	4.70	4.00
Lsd/sig	5.02	P≤0.01

Prior Applications and Sales:

Nil

Description: **Allen Newman**, Barenbrug Australia Pty Ltd, Dandenong, VIC.

Barley (*Hordeum vulgare*) variety 'Magnate' with comparator 'Kraken'

Details of Application

Application Number	2023/069
Variety Name	'Tycoon'
Genus Species	*Hordeum vulgare*
Common Name	Barley
Synonym	Nil
Accepted Date	07-Jun-2023
Applicant	State of Queensland through the Department of Agriculture and Fisheries, Brisbane, QLD and Grains Research and Development Corporation, Kingston, ACT.
Agent	N/A
Qualified Person	Allen Newman

Details of Comparative Trial

Location	Howlong, NSW
Descriptor	Barley (*Hordeum vulgare*) TG/19/11
Period	May - Oct 2023
Conditions	The trial was sown at 60kg/ha into good moisture with 100kg/ha MAP. Irrigation applied sparingly in April, May and September due to inadequate rainfall.
Trial Design	Randomised plots 1.2m x 5m in 4 replicates
Measurements	15 plants randomly selected per plot (60 measurements per variety) from a total of more than 1,000 plants.
RHS Chart - edition	

Origin and Breeding

Controlled pollination: NRB140408 is F7 selection developed by Jerry Franckowiak in the DAF barley breeding program based at Hermitage Research Facility, Warwick, and further tested by Bruce Winter from the DAF forage oat breeding program at Leslie Research Facility, Toowoomba. Parent lines were crossed in 2012 and selections were taken from segregating F2 bulks in the field in 2013. Selections were evaluated in nurseries and field trials in 2014 and 2015, with selection for disease resistance, grain yield, maturity and agronomic type. One selection was named NRB140408 in 2015 and further evaluated in dryland and irrigated forage cutting trials from 2016 to 2019 and selected for breeder's seed production in 2019. Breeders: Jerry Franckowiak and Bruce Winter, State of Queensland through the Department of Agriculture and Fisheries, Brisbane, 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
Ear	number of rows	two
Plant	seasonal type	spring
Grain	colour	white
Awn	length	very short

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Kraken '	White-grained, 2-row, awnless, spring-type forage barley

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
'Harpoon'	Ear: number of rows	two	six	
'Dictator 2'	Grain : colour	white	black	
'Moby'	Ear: number of rows	two	six	

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

Organ/Plant Part: Context	'Tycoon'	'Kraken'
☐ Kernel: colour of aleurone layer	whitish	whitish
☐ Plant: growth habit	intermediate	semi-erect to intermediate
☐ Plant: intensity of green colour	medium	medium
☐ Lowest leaves: hairiness of leaf sheath	absent	absent
☒ Flag leaf: anthocyanin coloration of auricles	medium to strong	weak to medium
☒ Flag leaf: attitude	semi-reflexed	erect

☐ Ear: Time of emergence	early to medium	medium
☐ Flag leaf: glaucosity of sheath	weak to medium	weak
☐ Awns: anthocyanin colouration of tips	absent or very weak	absent or very weak
☐ Ear: glaucosity	weak to medium	weak
☐ Ear: attitude	erect to semi-erect	erect
☐ Grain: anthocyanin coloration of nerves of lemma	absent or very weak	absent or very weak
☐ Plant: length	medium	short to medium
☐ Ear: number of rows	two	two
☐ Ear: development of sterile spikelets	full	full
☐ Sterile spikelet: attitude	parallel to divergent	parallel to divergent
☐ Ear: shape	parallel	parallel
☐ Ear: density	medium to dense	medium
☒ Ear: length	short to medium	medium
☐ Awn: length	very short	very short
☐ Rachis: length of first segment	short	short to medium
☐ Rachis: curvature of first segment	weak to medium	medium
☐ Median spikelet: length of glume and its awn relative to grain	equal	equal
☐ Grain: rachilla hair type	short	short
☐ Grain: type	husked	husked
☐ Grain: hairiness of ventral furrow	absent	absent
☐ Lemma: shape of base	non-bevelled	non-bevelled
☐ Seasonal type:	spring type	spring type

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Tycoon'	'Kraken'
☒ Plant: anthocyanin coloration of lower stem during tillering	absent or very weak	weak to medium
☒ Plant: leaf colour	137A	137C

Statistical Table

Organ/Plant Part: Context	'Tycoon'	'Kraken'
☒ Plant: Length (cm)		
Mean	123.50	112.00
Std. Deviation	4.40	4.00
Lsd/sig	5.02	P≤0.01
☒ Flag Leaf: Length (mm)		
Mean	144.00	125.80
Std. Deviation	22.60	25.90
Lsd/sig	14.99	P≤0.01
☐ Ear: Length (mm)		
Mean	102.25	113.80
Std. Deviation	10.70	8.60
Lsd/sig	5.12	P≤0.01

Prior Applications and Sales:

Nil

Description: **Allen Newman**, Barenbrug Australia Pty Ltd, Dandenong, VIC.

Barley (*Hordeum vulgare*) variety 'Tycoon' with comparator 'Kraken'

Details of Application

Application Number	2023/073
Variety Name	'MULTIGREEN 148'
Genus Species	*Lactuca sativa*
Common Name	Lettuce
Synonym	
Accepted Date	24-May-2023
Applicant	Nunhems B.V., Napoleonsweg 152, Nunhem, 6083 AB, The Netherlands
Agent	Spruson & Ferguson, NSW 2000
Qualified Person	Ean Blackwell

Details of Comparative Trial

Overseas Testing Authority	Naktuinbouw, Netherlands
Overseas Data Reference Number	SLA4650
Location	Naktuinbouw, ROELOFARENDSVEEN, NL
Descriptor	TP/13/6 Rev. 2 d.d. 14-04-2021
Period	2022-2023
Conditions	in the open
Trial Design	In accordance with TP/13/6 Rev. 2 d.d. 14-04-2021
Measurements	In accordance with TP/13/6 Rev. 2 d.d. 14-04-2021
RHS Chart - edition	N/A

Origin and Breeding

Controlled pollination: after a cross was made between a proprietary commercial variety and proprietary breeding line 106492220, a number of F1 plants were self pollinated. From the second until the fifth generation, pedigree selection was performed. From the sixth until the seventh generation, line selection was performed. Breeder: Johan van Zee, Nunhems B.V., Napoleonsweg 152, Nunhem, 6083 AB, The Netherlands.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	type	multi-divided type
Plant	type of culture	in the open
Seed	colour	black

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

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Multigreen 50'	

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

Organ/Plant Part: Context	'MULTIGREEN 148'	'Multigreen 50'
☐ Seed: colour	black	
☐ Plant: diameter	small to medium	
☐ Plant: degree of overlapping of upper part of leaves	absent or weak	
☐ Plant: number of leaves	medium	
☐ Leaf: attitude	semi-erect	
☐ Leaf: number of divisions	medium to many	
☐ Leaf: anthocyanin colouration	absent or very weak	
☐ Leaf: colour	green	
☒ Leaf: intensity of green colour	dark to very dark	medium to dark
☐ Leaf: glossiness of upper side	medium	
☐ Leaf: thickness	medium	
☐ Leaf: blistering	absent or very weak	
☒ Leaf: undulation of margin	strong	medium to strong

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'MULTIGREEN 148'	'Multigreen 50'
☒ Leaf: density of incisions of margin	dense	medium to dense
☐ Leaf: depth of secondary incisions of margin	shallow	
☐ Bolting: time of beginning of bolting	very late	
☐ Stem: axillary sprouting	absent or weak	
☐ Bolting stem: fasciation	medium	
☐ Resistance: resistance to *Bremia lactucae (Bl) isolate Bl:* 16EU	present	
☐ Resistance: resistance to *Bremia lactucae (Bl) isolate Bl:* 17EU	present	
☐ Resistance: resistance to *Bremia lactucae (Bl) isolate Bl:* 20EU	present	
☐ Leaf: venation	flabellate	
☐ Resistance: resistance to *Bremia lactucae (Bl) isolate Bl:* 21EU	present	
☐ Resistance: resistance to *Bremia lactucae (Bl) isolate Bl:* 22EU	present	
☐ Resistance: resistance to *Bremia lactucae (Bl) isolate Bl:* 23EU	present	
☐ Resistance: resistance to *Bremia lactucae (Bl) isolate Bl:* 24EU	present	
☐ Resistance: resistance to *Bremia lactucae (Bl) isolate Bl:* 25EU	present	
☐ Resistance: resistance to *Bremia lactucae (Bl) isolate Bl:* 26EU	present	
☐ Resistance: resistance to *Bremia lactucae (Bl) isolate Bl:* 27EU	present	
☐ Resistance: resistance to *Bremia lactucae (Bl) isolate Bl:* 29EU	present	
☐ Resistance: resistance to *Bremia lactucae (Bl) isolate Bl:* 30EU	present	

☐ Resistance: resistance to *Bremia lactucae (Bl) isolate Bl:* 31EU	present
☐ Resistance: resistance to *Bremia lactucae (Bl) isolate Bl:* 33EU	present
☐ Resistance: resistance to *Bremia lactucae (Bl) isolate Bl:* 35EU	present
☐ Resistance: resistance to *Lettuce mosaic virus (LMV) pathotype II*	absent
☐ Resistance: resistance to *Nasonovia ribisnigri (Nr) biotype Nr: 0*	absent
☐ Leaf: depth of incisions of margin	medium

Prior Applications and Sales:

Country	Year	Status	Name Applied
Netherlands	2021	granted	'MULTIGREEN 148'
European Union	2021	applied	'MULTIGREEN 148'

First sold in Feb 2022 in US.

Description: **Ean Blackwell,** NSW 2000

'MULTIGREEN 148'

Lettuce (*Lactuca sativa*) variety 'MULTIGREEN 148'

Details of Application

Application Number	2023/085
Variety Name	'Ridley 2503'
Genus Species	*Vaccinium* hybrid
Common Name	Blueberry
Accepted Date	19 Jul 2023
Applicant	Mountain Blue Orchards Pty Ltd, 1372a Bruxner Highway, Lidendale, NSW 2480
Qualified Person	Tom Gunther

Details of Comparative Trial

Location	Tabulam, NSW, 2469
Descriptor	TG/137/5 Rev. Blueberry
Period	3 seasons
Conditions	Trial conducted in standard commercial field production conditions. The climate zone using ABCB mapping is zone 6 - mild temperate. Plants propagated from cuttings, planted into field from 125mm pots. Examination conducted in October 2023 on 4 year old plants pruned to maximise yield rather than fruit size.
Trial Design	5 plants per variety randomly blocked in standard commercial beds.
Measurements	Twenty (20) ripe fruit randomly picked and measurements taken from 10 of these at random. Leaves randomly picked from approximately 30 cm from tip of branch. Measurements taken on date of examination.
RHS Chart - edition	6th edition (2015)

Origin and Breeding

Controlled pollination: The new *Vaccinium* hybrid cultivar is a selection resulting from seedlings produced in a breeding programme of *Vaccinium* at Lindendale, NSW, Australia in 2013 from the controlled pollination of seed parent 'Ridley 4408' with pollen parent 'Ridley 1403'. The new cultivar was discovered and selected as a single plant within a population of 100 resulting *Vaccinium* hybrid plants from this controlled pollination in 2016 in a commercial field plantation environment at Tabulam, New South Wales, Australia. The new blueberry cultivar was designated 'M16-25-03' and has been planted in replicated trials since 2017 at the commercial farms at Tabulam, New South Wales, Australia. Selection criteria include: very large/jumbo fruit size; firm/crisp texture; mid-season flowering and fruiting; and moderately loose frit clusters that are easy to pick and suited to machine harvest. Breeder: Ridley Bell, Mountain Blue Orchards Pty Ltd, Lidendale, NSW, 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	shape	elliptic
Plant	growth habit	upright
One-year-old shoot	colour	green
Fruit	shape in longitudinal section	oblate

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Ridley 1702'	
'Ridley 4514'	

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
'Ridley 4408'	Plant	growth habit	upright	upright to semi upright	Seed parent
'Ridley 1403'	Plant	growth habit	upright	upright to semi upright	Pollen parent
'Ridley 1403'	Fruit	shape in longitudinal cross section	oblate	round	Pollen parent
'Ridley 4408'	Fruit	shape in longitudinal cross section	oblate	round	Seed 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	'Ridley 2503'	'Ridley 1702'	'Ridley 4514'
☐ Plant: vigor	strong	strong	very strong
☐ Plant: growth habit	upright	upright	upright
☐ One-year-old shoot: colour	green	green	green
☐ One-year-old shoot: length of internode	medium	medium	medium to long

☒ Leaf: length	long	long	medium to long
☐ Leaf: width	broad	broad	broad
☐ Leaf: ratio length/width	medium	medium	medium
☐ Leaf: shape	elliptic	elliptic	elliptic
☐ Leaf: colour of upper side	medium green	medium green	medium green
☐ Leaf: margin	entire	entire	entire
☐ Leaf: glaucosity on upper side	absent or weak	absent or weak	absent or weak
☐ Flower bud: anthocyanin colouration	weak	weak	weak
☐ Inflorescence: length	medium	medium	medium
☐ Flower: shape of corolla	urceolate	urceolate	urceolate
☐ Flower: size of corolla tube	medium	medium to large	medium
☐ Flower: colour of corolla tube	white	white	white
☐ Flower: anthocyanin colouration of corolla tube on outer side	absent or very weak	absent or very weak	absent or very weak
☐ Flower: conspicuousness of ridges on corolla tube	medium	medium	medium
☐ Flower: colour of receptacle	green	green	green
☐ Infructescence: density	sparse to medium	sparse to medium	medium
☒ Unripe fruit: intensity of green colour	light	light to medium	light
☒ Fruit: size	very large	large	large
☐ Fruit: shape in longitudinal section	oblate	oblate	oblate
☒ Fruit: attitude of sepals	incurved	straight	straight
☐ Fruit: diameter of calyx basin	large	large	medium to large
☐ Fruit: depth of calyx basin	deep	deep	deep
☐ Fruit: intensity of bloom	medium to strong	strong	strong
☐ Fruit: colour of skin	dark blue	dark blue	dark blue

☒ Fruit: firmness	firm	very firm	firm
☐ Fruit: sweetness	high	medium to high	medium to high
☐ Fruit: acidity	low to medium	low to medium	low
☐ Plant: fruiting type	on one-year-old shoots only	on one-year-old shoots only	on one-year-old shoots only
☒ Time of beginning of: vegetative growth	medium	medium	late
☒ Time of beginning of: flowering on one-year old shoot	medium	medium	very early
☒ Time of beginning of: fruit ripening on one year-old shoot	medium	medium	early

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Ridley 2503'	'Ridley 1702'	'Ridley 4514'
☐ Fruit: sweetness Brix seasonal average	16	15	13.5
☐ Fruit: firmness % Durofel seasonal average	62	74	65
☐ Plant: height	tall		medium to tall

Statistical Table

Organ/Plant Part: Context	'Ridley 2503'	'Ridley 1702'	'Ridley 4514'
☒ Leaf: length (mm)			
Mean	68.5	72.9	59.2
Std. Deviation	6.1	5.8	2.9
Lsd/sig	4.72	ns	p≤0.01
☒ Leaf: width (mm)			
Mean	36.0	34.7	30.5
Std. Deviation	4.6	5.0	2.2
Lsd/sig	3.81	ns	p≤0.01
☒ Fruit: diameter (mm)			
Mean	19.7	18.1	17.9

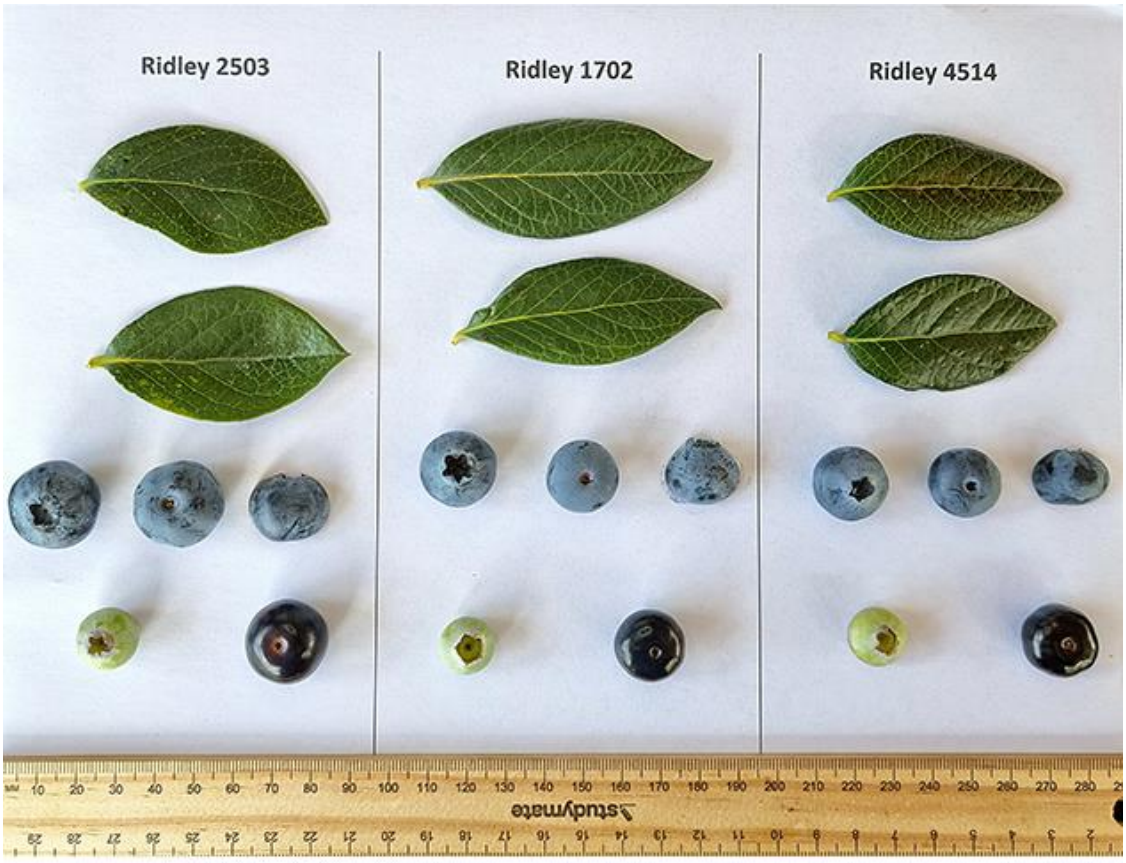
Std. Deviation	1.5	1.2	1.0
Lsd/sig	1.16	ns	p≤0.01

Prior Applications and Sales:

Country	Year	Status	Name Applied
United States	2023	Applied	'Ridley 2503'

First sold in: 12 Dec 2022, Peru.

Description: Tom Gunther, South Lismore, NSW 2480.



Blueberry (*Vaccinium* hybrid) 'Ridley 2503' with comparators 'Ridley 1702' and 'Ridley 4514'

Details of Application

Application Number	2023/087
Variety Name	'DG Avon TT'
Genus Species	*Brassica napus*
Common Name	Canola
Synonym	N/A
Accepted Date	09-Jun-2023
Applicant	Nutrien AgSolutions Ltd, Docklands, VIC
Agent	Kate Light, Horsham VIC.
Qualified Person	Kate Light

Details of Comparative Trial

Location	Horsham Victoria
Descriptor	Canola/Rape Seed (Brassica napus)
Period	May to October 2023
Conditions	Normal growing conditions
Trial Design	Randomised complete block, 3 replications, 6 rows (1.8m) x 5m plots with many hundreds of plants per plot.
Measurements	Seedling and mature plant measure collected from 14 plants per replicate giving a total of 42 plants per entry.
RHS Chart - edition	

Origin and Breeding

Controlled pollination: 'ATR-Gem' and a Nutrien Ag Solutions (NAS) conventional breeding line were crossed in a greenhouse facility in Saskatoon Canada in 2015 and progressed to F2 seed in the greenhouse. 2016: XNB16-1402*01, F2 seed was trialled at a blackleg nursery in Wonwondah, Victoria and a single plant was selected based on disease resistance, flowering time, agronomic suitability and oil quality. 2017: XNB16-1402*01*012, F3 seed of the individual plant was trialled at a blackleg nursery in Wonwondah Victoria and selected based on disease resistance, flowering time, agronomic suitability and oil quality. 2018: XNB16-1402*01*012, F4 seed was entered into preliminary yield trials in multiple sites across Victoria, New South Wales and Western Australia where it was assessed for yield, agronomic suitability and oil quality and in disease nurseries at Lake Bolac and Wonwondah, Victoria where it was again assessed for disease resistance. XNB16-1401*01*012 was also entered in pure seed increase in a greenhouse in Horsham, Victoria. 2019:

XNB16-1402*01*012, F5 was tested as DG1932TT in advanced yield trials in multiple sites across Victoria, New South Wales and Western Australia where it was assessed for yield, agronomic suitability and oil quality and in disease nurseries at Lake Bolac and Wonwondah, Victoria where it was assessed for disease resistance. DG1932TT was also entered into further seed increase in a greenhouse in Horsham, Victoria. 2020 and 2021: DG 1932TT was tested in further advanced yield trials across Australia: 2022: DG1932TT was entered in NVT trials and breeders seed production and will be released as 'DG Avon TT' for commercial cultivation in 2024. Breeders: DR.Wayne Burton and Kate Light, Nutrien AgSolutions Ltd, Docklands, 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	herbicide tolerance	triazine tolerance
Flowers	time of flowering	early-mid
Plant	height	low to medium

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'ATR Bonito'	Triazine tolerance, early-mid flowering, low to medium plant height
'DG Bidgee TT'	Traizine tolerant, early-mid flowering, medium plant height
'ATR Stingray'	Trazine tolerant, early flowering, low-medium plant height
'ATR Bluefin'	Triazine tolerant, early flowering, low-medium plant height
'ATR Gem'	Maternal parent of DG Avon TT

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

Organ/Plant Part: Context	'DG Avon TT'	'ATR Bluefin'	'ATR Bonito'	'ATR Gem'	'ATR Stingray'	'DG Bidgee TT'
☐ *Seed: erucic acid	absent	absent	absent	absent	absent	absent
☒ Cotyledon: length	very long	medium	medium	medium to long	very short	very long
☐ Cotyledon: width	very broad	broad to very broad	broad to very broad	broad	narrow to medium	broad to very broad
☐ *Leaf: green colour	medium	medium	medium	medium	medium	medium
☐ *Leaf: lobes	present	present	present	present	present	present

☒ *Leaf: number of lobes	many	few	medium to many	medium	medium to many	very few to few
☐ *Leaf: dentation of margin	medium	medium to strong	medium	medium to strong	weak	weak
☒ Leaf: length	very long	long	long	long	very short to short	medium to long
☒ Leaf: length of petiole (varieties with lobed leaves only)	medium	very long	long to very long	long	long	medium
☒ *Time of flowering	very early	early	early to medium	early to medium	early	early
☐ *Flower: colour of petals	yellow	yellow	yellow	yellow	yellow	yellow
☒ *Plant: total length including side branches	very short	short to medium	short to medium	medium	short	medium to long

Statistical Table

Organ/Plant Part: Context	**'DG Avon TT'**	**'ATR Bluefin'**	**'ATR Bonito'**	**'ATR Gem'**	**'ATR Stingray'**	**'DG Bidgee TT'**
☐ Plant: plant height (cm)						
Mean	108.90	115.37	120.24	140.12	119.02	134.63
Std. Deviation	3.06	3.43	5.24	6.38	5.72	3.43
Lsd/sig	3.921	P≤0.01	P≤0.01	P≤0.01	P≤0.01	P≤0.01
☒ Plant : cotyledon length (mm)						
Mean	12.50	9.25	8.37	10.05	6.41	13.72
Std. Deviation	0.92	0.75	0.84	0.90	0.80	1.53
Lsd/sig	0.838	P≤0.01	P≤0.01	P≤0.01	P≤0.01	P≤0.01
☒ Plant: cotyledon width (mm)						
Mean	19.11	19.70	19.86	17.73	16.93	20.44
Std. Deviation	1.35	1.62	1.05	1.48	1.32	1.58
Lsd/sig	1.21	ns	ns	P≤0.01	P≤0.01	P≤0.01

☐ Plant: leaf # of lobes (number)						
Mean	5.25	1.80	3.65	2.90	4.12	1.43
Std. Deviation	0.59	0.91	1.05	0.55	0.99	0.50
Lsd/sig	0.667	P≤0.01	P≤0.01	P≤0.01	P≤0.01	P≤0.01
☐ Plant: leaf length (mm)						
Mean	86.83	68.85	61.65	62.45	56.47	61.63
Std. Deviation	0.62	7.03	2.48	2.62	4.79	1.98
Lsd/sig	3.194	P≤0.01	P≤0.01	P≤0.01	P≤0.01	P≤0.01
☐ Plant: petiole length (mm)						
Mean	101.75	117.25	112.05	107.68	108.29	97.02
Std. Deviation	4.14	4.84	4.26	6.22	7.03	3.34
Lsd/sig	4.564	P≤0.01	P≤0.01	P≤0.01	P≤0.01	P≤0.01

Prior Applications and Sales:

No prior application or sale

Description: **Kate Light,** Nutrien AgSolutions Ltd, Horsham VIC.

Canola (*Brassica napus*) variety 'DG Avon TT' with comparator 'DG Bidgee TT'

Details of Application

Application Number	2023/135
Variety Name	'ICE DESERT'
Genus Species	*Lactuca sativa*
Common Name	Lettuce
Synonym	'ICEDESERT'
Accepted Date	20-Jul-2023
Applicant	Syngenta Crop Protection AG, Basel 4058, Switzerland
Agent	Syngenta Australia Pty. Ltd., NSW 2113
Qualified Person	David Gillespie

Details of Comparative Trial

Overseas Testing Authority	Naktuinbouw, NL
Overseas Data Reference Number	SLA4274
Location	Naktuinbouw, ROELOFARENDSVEEN, Netherlands
Descriptor	adapted from TP/13/6 Rev d.d. 15-02-2019 Netherlands, TG/13/11 Australia
Period	2020
Conditions	Not known
Trial Design	Not known
Measurements	As per TP/13/6 Rev d.d. 15-02-2019 Netherlands
RHS Chart - edition	not known

Origin and Breeding

Controlled pollination: the main criteria for selection were tip burn and slow bolting tolerance under hot conditions. First observations were made in Torre-Pacheco, Spain in 2009. Other observations were made in Granada, Spain and Beypazari, Turkey. The initial F1 hybrid was obtained from a cross between two parental lines. The commercial variety 'Ice Desert' was obtained after seven cycles of selection and fixation by self-pollination. During the selection process focus was on head size, outer leaf coverage that gave head protection and heat tolerance. Breeder: Syngenta Crop Protection AG., 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	resistance to *Bremia lactucae Isolate BI*: 29 EU	absent

Plant	type	iceberg
Seed	colour	white
Leaf blade	anthocyanin coloration	absent or very weak
Plant	time of beginning of bolting	very late
Plant	resistance to *Bremia lactucae Isolate BI*: 16 EU	absent

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Greenstone'	Similar to the candidate variety in 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	'ICE DESERT'	'Greenstone'
☐ Seed: colour	white	
☐ Plant: diameter	medium to large	
☐ Plant: degree of overlapping of upper part of leaves	strong	
☐ Leaf: attitude	semi-erect	
☐ Leaf: number of divisions	absent or very few	
☐ Leaf: shape	medium oblate	
☐ Leaf: shape of apex	rounded	
☐ Leaf: longditudinal section	flat	
☐ Leaf: anthocyanin colouration	absent or very weak	
☐ Leaf: colour	green	
☒ Leaf: intensity of green colour	medium	medium to dark
☐ Leaf: glossiness of upper side	weak to medium	
☐ Leaf: thickness	thick	
☒ Leaf: blistering	weak	medium to strong

☐ Leaf: size of blisters	small to medium
☐ Leaf: undulation of margin	weak
☐ Leaf: type of incisions of margin	irregularly dentate
☐ Leaf: depth of incisions of margin	shallow to medium
☐ Leaf: depth of secondary incisions of margin	shallow
☐ Leaf: density of incisions of margin	sparse
☐ Leaf: venation	flabellate
☐ Head: size	medium to large
☐ Head: shape in longditudinal section	circular
☐ Head: density	dense
☐ Upper part of leaves: time of harvest maturity	late
☐ Plant: time of beginning of bolting	very late
☐ Plant: axillary sprouting	absent or weak
☐ Bolting stem: fasciation	absent or very weak
☐ Resistance to *Bremia lactucae (Bl) Isolate Bl*: 16	absent
☐ Resistance to *Bremia lactucae (Bl) Isolate Bl*: 17	absent
☐ Resistance to *Bremia lactucae (Bl) Isolate Bl*: 20	absent
☐ Resistance to *Bremia lactucae (Bl) Isolate Bl*: 21	absent
☐ Resistance to Bremia lactucae (Bl) Isolate Bl: 22	absent
☐ Resistance to *Bremia lactucae (Bl) Isolate Bl*: 23	absent
☐ Resistance to *Bremia lactucae (Bl) Isolate Bl*: 24	absent
☐ Resistance to *Bremia lactucae (Bl) Isolate Bl*: 25	absent
☐ Resistance to *Bremia lactucae (Bl) Isolate Bl*: 26	absent
☐ Resistance to *Bremia lactucae (Bl) Isolate Bl*: 27	absent
☐ Resistance to *Bremia lactucae (Bl) Isolate Bl*: 29	absent

☐ Resistance to *Bremia lactucae (Bl) Isolate Bl*: 30	absent	
☐ Resistance to *Bremia lactucae (Bl) Isolate Bl*: 31	absent	
☒ Plant: resistance to *Lettuce mosaic virus (LMV) Pathotype II*	absent	present
☐ Resistance to *Nasonovia ribisnigri (Nr)*: 0	absent	
☐ Plant: resistance to *Fusarium oxysporum f.sp. lactucae (FoI) race 1*	susceptible	

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'ICE DESERT'	'Greenstone'
☐ **P**lant: resistance to *Bremia practice (Bl) Isolate 33*	absent	
☐ **P**lant: Resistance to *Bremia lactucae (Bl) Isolate 35*	absent	

Prior Applications and Sales:

Country	Year	Status	Name Applied
Turkey	2020	granted	'ICE DESERT'
Netherlands	2018	granted	'ICE DESERT'
European Union	2019	granted	'ICE DESERT'
Jordan	2022	applied	'ICE DESERT'

First sold in Aug 2019 in Turkey

Description: **David Gillespie,** QLD 4610

‘ICE DESERT’

Lettuce (*Lactuca sativa*) variety ‘ICE DESERT’

Details of Application

Application Number	2023/141
Variety Name	'SILVER DEW'
Genus Species	*Cucumis melo*
Common Name	Melon
Synonym	
Accepted Date	26-Jul-2023
Applicant	Nunhems B.V., Nunhem, Netherlands
Agent	Spruson & Ferguson, NSW 2000
Qualified Person	Ean Blackwell

Details of Comparative Trial

Overseas Testing Authority	Naktuinbouw, Netherlands
Overseas Data Reference Number	MLN836
Location	Naktuinbouw, ROELOFARENDSVEEN, Netherlands
Descriptor	TP/104/2 Rev. d.d. 21-04-2020
Period	2021-2022
Conditions	N/A
Trial Design	In accordance with TP/104/2 Rev. d.d. 21-04-2020
Measurements	In accordance with TP/104/2 Rev. d.d. 21-04-2020
RHS Chart - edition	N/A

Origin and Breeding

Controlled pollination: the male and female parent lines were selfed until homozygosity achieved. The homozygous male and female lines were crossed to produce the present hybrid. The hybrid was found to be stable though three independent generations. Breeder: Kaori Ando, Nunhems B.V., Nunhem, 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
Inflorescence	sex expression (at full flowering)	andromonoecious
Fruit	length	long
Fruit	shape in longitudinal section	circular
Fruit	ground colour of skin	white

Fruit	density of patches	absent or very sparse
Fruit	grooves	absent or very weakly expressed
Fruit	cork formation	absent
Fruit	main colour of flesh	green
Seed	length	long
Seed	colour	cream yellow
Resistance to *Fusarium oxysporum f. sp. melonis (Fom)*	*race 0*	present
Resistance to *Fusarium oxysporum f. sp. melonis (Fom)*	*race 1*	absent
Resistance to *Fusarium oxysporum f. sp. melonis (Fom)*	*race 2*	absent

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Salgari'	

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
'Samantha F1'	Seed length	medium	long	

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

Organ/Plant Part: Context	'SILVER DEW'	'Salgari'
☐ Seedling: length of hypocotyl	medium	
☐ Seedling: size of cotyledon	medium	
☐ Seedling: intensity of green colour of cotyledon	medium to dark	
☐ Leaf blade: size	medium to large	

☐ Leaf blade: intensity of green colour	medium to dark	
☒ Leaf blade: development of lobes	medium	weak
☐ Leaf blade: length of terminal lobe	medium	
☒ Leaf blade: dentation of margin	medium	weak
☒ Leaf blade: blistering	medium	weak to medium
☐ Petiole: attitude	semi-erect	
☐ Petiole: length	medium to long	
☐ *Inflorescence: sex expression	andromonoecious	
☐ Young fruit: hue of green colour of skin	green	
☐ *Young fruit: intensity of green colour of skin	very light	
☐ Young fruit: density of dots	dense	
☐ Young fruit: size of dots	small	
☐ Young fruit: contrast of dot colour/ground colour	weak	
☐ Young fruit: conspicuousness of groove colouring	absent or very weak	
☐ Young fruit: length of peduncle	very short to short	
☐ Young fruit: thickness of peduncle 1 cm from fruit	medium	
☐ Young fruit: extension of darker area around peduncle	absent or very small	
☐ Fruit: change of skin colour from young fruit to maturity	late in fruit development	
☒ *Fruit: length	long	long to very long
☐ *Fruit: diameter	very broad	
☒ *Fruit: ratio length/diameter	small	medium
☐ *Fruit: position of maximum diameter	at middle	
☐ *Fruit: shape in longitudinal section	circular	
☐ *Fruit: ground colour of skin	white	

☐ Fruit: hue of ground colour of skin	absent or very weak
☐ Fruit: density of dots	dense
☐ Fruit: size of dots	small
☐ Fruit: colour of dots	white
☐ *Fruit: density of patches	absent or very sparse
☐ *Fruit: warts	absent
☐ *Fruit: strength of attachment of peduncle at maturity	weak to medium
☐ *Fruit: shape of base	rounded
☐ *Fruit: shape of apex	rounded
☐ *Fruit: size of pistil scar	medium
☐ *Fruit: grooves	absent or very weakly expressed
☐ *Fruit: creasing of surface	absent or very weak
☐ *Fruit: cork formation	absent
☐ Fruit: rate of change of skin colour from maturity to over maturity	absent or very slow
☐ Fruit: width of flesh in longitudinal section	medium to thick
☐ *Fruit: main color of flesh	green
☐ Fruit: secondary salmon colouring of flesh (varieties with main color of flesh: white; greenish white; green; yellowish white only)	absent or very weak
☐ *Seed: length	long
☐ Seed: width	medium to broad
☐ Seed: shape	not pine-nut shape
☐ *Seed: colour	cream yellow
☐ Seed: intensity of colour (varieties with cream yellow seed color only)	medium

☐ Time of: male flowering	medium	
☐ Time of: female flowering	medium	
☐ Time of: ripening	medium to late	
☐ *Shelf life of: fruit	medium to long	
☐ Resistance to: *Fusarium oxysporum f. sp. melonis Race 0*	present	
☐ Resistance to: *Fusarium oxysporum f. sp. melonis Race 1*	absent	
☒ Resistance to: *Fusarium oxysporum f. sp. melonis Race 2*	absent	present
☐ Resistance to: *Fusarium oxysporum f. sp. melonis Race 1-2*	absent	
☐ Resistance to: *Sphaerotheca fuliginea (Podosphaera xanthii) (Powdery mildew) Race 5*	susceptible	
☐ Resistance to: colonization by *Aphis gossypii*	absent	
☐ Resistance to: *Muskmelon Necrotic Spot Virus (MNSV) Race E8*	absent	

Prior Applications and Sales:

Country	Year	Status	Name Applied
Netherlands	2021	granted	'SILVER DEW'
Costa Rica	2021	pending	'SILVER DEW'

First sold in Oct 2020 in Honduras

Description: **Ean Blackwell**, NSW 2000

‘SILVER DEW’

Melon (*Cucumis melo*) variety ‘SILVER DEW’

Details of Application

Application Number	2023/162
Variety Name	'Stella-ASBP'
Genus Species	*Fragaria xananassa*
Common Name	Strawberry
Accepted Date	08 Aug 2023
Applicant	The State of Queensland acting through the Department of Agriculture and Fisheries – 3.C West, 41 Boggo Road, Dutton Park QLD 4102 Australia; Horticulture Innovation Australia Limited – Level 7, 141 Walker Street, North Sydney NSW 2060 Australia.
Qualified Person	Katie O'Connor

Details of Comparative Trial

Location	Maroochy Research Station, Nambour, QLD (26.37° South, 152.57° East, elevation 29m).
Descriptor	Strawberry (new) (*Fragaria*) TG/22/10 Rev.
Period	March 2023 - August 2023
Conditions	Trial conducted at Maroochy Research Station Nambour, QLD (March to August 2022) in a non-fumigated field, with candidate variety 'Stella-ASBP' (breeders code: '2017-040'), and the comparator 'Red Rhapsody' as well as seven other accessions (used in sensory panels). Planting material of candidate variety and comparators were container-grown runners produced at Maroochy Research Station. Planted in black polythene mulch, double rows on beds (28cm inter-row, 40cm intrarow and 140cm between bed centres), trickle irrigated and fertilised, pest and disease treatments applied as required.
Trial Design	Planted in randomised complete block design with 8 replicates and 12 plants per plot, significance tested using F and t tests ignoring block effects.
Measurements	Approximately twenty plants or fruit as individual plants or harvested fruit randomly sampled per cultivar per block for measured data.
RHS Chart - edition	1995

Origin and Breeding

Controlled pollination: Approximately 6100 seedlings from controlled pollinations of selected parents were evaluated at Maroochy Research Facility, and 4300 at Bundaberg Research Facility, with selection within and among families for the suite of characteristics below. Initial selection '2017-040' was made between May and September 2017 at Bundaberg Research Facility, Queensland from plants of a cross between '2013-028' and 'Red Rhapsody'. Runners from approx. 146 clones selected from among the seedlings were evaluated for the

same set of characteristics in duplicate plots at Maroochy Research Facility in 2018, to produce approximately 22 selected clones in 2019. 'Stella-ASBP' ('2017-040') was selected from among 8 clones from the same cohort following further evaluation in 2020 to 2022 in small observation plots on several strawberry farms in Queensland using runners grown at Maroochy Research Facility from virus indexed plants. Work was directed by Jodi Neal, Mark Herrington and Katie O'Connor. Vegetative propagation has been by runners and tissue culture since first selection. Characters used in selection include, flavour, early yield, fruit size, fruit shape, resistance to bruising, external and internal colour, attractiveness of fruit, tolerance to disease and rain damage, bush type, ease of harvest, truss type. Breeder: Jodi Neal, Mark Herrington and Katie O'Connor - The State of Queensland acting through the Department of Agriculture and Fisheries – 3.C West, 41 Boggo Road, Dutton Park QLD 4102 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	growth habit	spreading
Petal	colour of upper side	white
Fruit	size	medium
Fruit	shape	conical

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Red Rhapsody'	

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

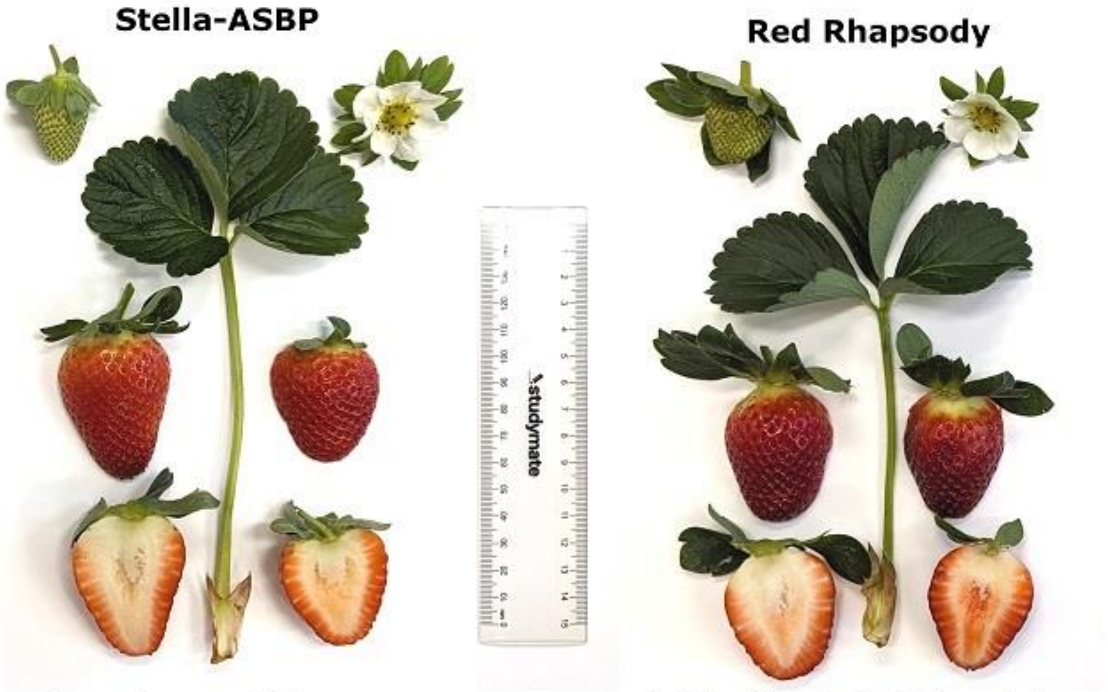
Organ/Plant Part: Context	'Stella-ASBP'	'Red Rhapsody'
☐ *Plant: growth habit	spreading	spreading
☐ Plant: density of foliage	medium	medium
☐ Plant: vigour	medium	medium
☐ *Plant: position of inflorescence in relation to foliage	same level	same level
☒ *Plant: number of stolons	many	few

☐ Leaf: size	small	small
☐ Leaf: colour of upper side	medium green	medium green
☒ *Leaf: blistering	medium	absent or weak
☐ *Leaf: glossiness	absent or weak	absent or weak
☐ Leaf: variegation	absent	absent
☐ *Terminal leaflet: length in relation to width	moderately longer	much longer
☒ *Terminal leaflet: shape of base	obtuse	acute
☐ Terminal leaflet: margin	crenate	crenate
☐ Terminal leaflet: shape in cross section	concave	concave
☐ Petiole: length	medium	medium
☒ Petiole: attitude of hairs	upwards	horizontal
☐ Stipule: anthocyanin colouration	weak to medium	weak
☐ Inflorescence: number of flowers	few	few
☐ Pedicel: attitude of hairs	upwards	upwards
☐ Flower: diameter	medium	medium
☐ *Flower: arrangement of petals	overlapping	overlapping
☐ *Flower: size of calyx in relation to corolla	larger	larger
☐ *Flower: stamen	present	present
☐ Petal: length in relation to width	moderately shorter	equal
☐ *Petal: colour of upper side	white	white
☐ *Fruit: length in relation to width	much longer	much longer
☐ *Fruit: size	medium	medium
☐ *Fruit: shape	conical	conical
☐ Fruit: difference in shape of terminal and other fruits	none or very slight	none or very slight
☐ *Fruit: colour	medium red	dark red

☐ Fruit: evenness of colour	even or very slightly uneven	even or very slightly uneven
☐ Fruit: glossiness	medium	medium
☐ Fruit: evenness of surface	even or very slightly uneven	even or very slightly uneven
☐ Fruit: width of band without achenes	narrow	narrow
☐ *Fruit: position of achenes	below surface	below surface
☐ Fruit: position of calyx attachment	level with fruit	level with fruit
☐ Fruit: attitude of sepals	outwards	outwards
☐ Fruit: diameter of calyx in relation to diameter of fruit	slightly larger	much larger
☐ Fruit: firmness	firm	firm to very firm
☐ Fruit: colour of flesh (excluding core)	medium red	medium red
☐ Fruit: colour of core	light red	light red
☐ Fruit: cavity	medium	medium
☒ *Time of: beginning of flowering	very early	early
☐ *Type of: bearing	day neutral	partially remontant

Prior Applications and Sales: **Nil**

Description: Katie O'Connor, Nambour QLD 4560



Strawberry (*Fragaria xananassa*) 'Stella-ASBP' and its comparator 'Red Rhapsody'

Details of Application

Application Number	2023/163
Variety Name	'SW20-317-ASBP'
Genus Species	*Fragaria xananassa*
Common Name	Strawberry
Accepted Date	08 Aug 2023
Applicant	The State of Queensland acting through the Department of Agriculture and Fisheries – 3.C West, 41 Boggo Road, Dutton Park QLD 4102 Australia; Horticulture Innovation Australia Limited – Level 7, 141 Walker Street, North Sydney NSW 2060 Australia.
Qualified Person	Katie O'Connor

Details of Comparative Trial

Location	Maroochy Research Station, Nambour, QLD (26.37° South, 152.57° East, elevation 29m).
Descriptor	Strawberry (new) (*Fragaria*) TG/22/10 Rev.
Period	March 2023 - August 2023
Conditions	QLD (March to August 2022) in a non-fumigated field, with candidate variety 'SW20-317-ASBP' (breeders code: '2020-317'), and the comparator 'SB17-230-ASBP' as well as seven other accessions (used in sensory panels). Planting material of candidate variety and comparators were container-grown runners produced at Maroochy Research Station. Planted in black polythene mulch, double rows on beds (28cm inter-row, 40cm intrarow and 140cm between bed centres),trickle irrigated and fertilised, pest and disease treatments applied as required.
Trial Design	Planted in randomised complete block design with 8replicates and 12 plants per plot, significance tested using F and t tests ignoring block effects.
Measurements	Approximately twenty plants or fruit as individual plants or harvested fruit randomly sampled per cultivar per block for measured data.
RHS Chart - edition	1995

Origin and Breeding

Controlled pollination: Approximately 6300 seedlings from controlled pollinations of selected parents were evaluated at Maroochy Research Facility, and 5000 at Bundaberg Research Facility, with selection within and among families for the suite of characteristics below. Initial selection '2020-317' was made between May and September 2020 at Maroochy Research Facility, Nambour, Queensland from open in-field pollination '2019-003' (a white-fruited selection). 12 runners were clonally propagated from the selection and trialled in duplicate plots at Maroochy Research Facility in 2021, amongst approximately 200 other genotypes. 'SW20-317-ASBP' ('2020-317') was selected as a specialty selection with light-coloured fruit for further evaluation in

2022. Work was directed by Jodi Neal and Katie O'Connor, following on from previous selections produced by Mark Herrington. Characters used in selection include, flavour, early yield, fruit size, fruit shape, resistance to bruising, external and internal colour, attractiveness of fruit, tolerance to disease and rain damage, bush type, ease of harvest, truss type. Breeder: Jodi Neal, Mark Herrington and Katie O'Connor - The State of Queensland acting through the Department of Agriculture and Fisheries – 3.C West, 41 Boggo Road, Dutton Park QLD 4102 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	growth habit	semi-upright
Petal	colour of upper side	white
Type of	bearing	partially remontant

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'SB17-230-ASBP'	

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

Organ/Plant Part: Context	'SW20-317-ASBP'	'SB17-230-ASBP'
☐ *Plant: growth habit	semi-upright	semi-upright
☐ Plant: density of foliage	sparse to medium	medium
☐ Plant: vigour	medium	medium
☐ *Plant: position of inflorescence in relation to foliage	same level	same level
☐ *Plant: number of stolons	few	medium
☐ Leaf: size	small	small
☐ Leaf: colour of upper side	medium green	medium green

☐ *Leaf: blistering	absent or weak	absent or weak
☐ *Leaf: glossiness	absent or weak	medium
☐ Leaf: variegation	absent	absent
☐ *Terminal leaflet: length in relation to width	moderately longer	equal
☐ *Terminal leaflet: shape of base	obtuse	obtuse
☐ Terminal leaflet: margin	crenate	crenate
☐ Terminal leaflet: shape in cross section	concave	concave
☐ Petiole: length	medium	medium
☒ Petiole: attitude of hairs	upwards	slightly outwards
☐ Stipule: anthocyanin colouration	weak	medium
☐ Inflorescence: number of flowers	few	few
☐ Pedicel: attitude of hairs	upwards	upwards
☐ Flower: diameter	medium to large	medium to large
☐ *Flower: arrangement of petals	overlapping	touching
☐ *Flower: size of calyx in relation to corolla	larger	same size
☐ *Flower: stamen	present	present
☐ Petal: length in relation to width	equal	equal
☐ *Petal: colour of upper side	white	white
☐ *Fruit: length in relation to width	much longer	moderately longer
☐ *Fruit: size	medium	medium
☐ *Fruit: shape	conical	cordate
☐ Fruit: evenness of colour	strongly uneven	strongly uneven
☐ Fruit: glossiness	medium	medium
☐ Fruit: evenness of surface	even or very slightly uneven	even or very slightly uneven

☒ Fruit: width of band without achenes	narrow	very narrow to narrow
☒ *Fruit: position of achenes	level with surface	below surface
☐ Fruit: position of calyx attachment	level with fruit	inserted
☐ Fruit: attitude of sepals	upwards	upwards
☐ Fruit: diameter of calyx in relation to diameter of fruit	much larger	much larger
☐ Fruit: firmness	firm to very firm	firm to very firm
☐ Fruit: colour of flesh (excluding core)	whitish	whitish
☐ Fruit: colour of core	white	white
☒ Fruit: cavity	medium	absent or small
☐ *Time of: beginning of flowering	medium	early
☐ *Type of: bearing	partially remontant	partially remontant

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	**'SW20-317-ASBP'**	**'SB17-230-ASBP'**
☒ Fruit: colour	whitish pink 51B deep pink on upper side	orange red on upper side and 35D on underside
☒ Plant: truss branching	single trusses or minimal branching	medium amount of branching

Prior Applications and Sales: Nil

Description: Katie O'Connor, Nambour QLD 4560

Strawberry (*Fragaria xananassa*) 'SW20-317-ASBP' and its comparator 'SB17-230-ASBP'

Grants

Application Number	Variety Name	Common Name	Synonym	Genus	Species	Applicant(s)	Grant Date	Certificate Number	Expiry Date
2022/045	Nzsummer2	Apricot	Not Applicable	Prunus	armeniaca	The New Zealand Institute for Plant and Food Research Limited	18/03/2024	7065	18/03/2049
2013/230	Bounty	Avocado	Not Applicable	Persea	americana	Fruit Farm Group South Africa Proprietary Limited	02/01/2024	7042	02/01/2049
2018/142	DrisRaspTwelve	Raspberry	Not Applicable	Rubus	idaeus L.	Driscoll's, Inc.	10/01/2024	7046	10/01/2044
2017/090	Tendita	Lettuce	Not Applicable	Lactuca	sativa	Rijk Zwaan Zaadteelt en Zaadhandel B.V.	15/12/2023	7039	15/12/2043
2018/367	BigBucks	Apple	Not Applicable	Malus	domestica	Pink Vein Pty Ltd	26/04/2024	7075	26/04/2049
2022/126	Hokomatelo	Hydrangea	Not Applicable	Hydrangea	macrophylla	Kolster Holding B.V. and Horteve Breeding B.V.	11/01/2024	7048	11/01/2044
2019/202	SPC136	Sweet Cherry	Suite Note	Prunus	avium	Her Majesty the Queen in Right of Canada as	17/01/2024	7050	17/01/2049

						represented by the Minister of Agriculture and Agri-Food			
2020/272	Stella Citron	Daylily	Not Applicable	Hemerocallis	hybrid	AD Salmon & BM Thomas	17/04/2024	7072	17/04/2044
2021/279	AUSF3	Fungal Endophyte	Not Applicable	Thozetella	nivea	Loam Bio Pty Ltd.	15/12/2023	7038	15/12/2043
2022/127	Hokomatempta	Hydrangea	Not Applicable	Hydrangea	macrophylla	Kolster Holding B.V. and Horteve Breeding B.V.	11/01/2024	7047	11/01/2044
2017/002	New York 1	Apple	Not Applicable	Malus	domestica	Cornell University	16/02/2024	7058	16/02/2049
2021/266	El Furio	Spinach	Not Applicable	Spinacia	oleracea	Syngenta Crop Protection AG	19/12/2023	7041	19/12/2043
2014/064	Peace	Hydrangea	Not Applicable	Hydrangea	macrophylla	Ryoji Irie	08/12/2023	7035	08/12/2043
2017/044	Lagorai Plus	Raspberry	Not Applicable	Rubus	idaeus	SANT'ORSOLA SOCIETA' COOPERATIVA AGRICOLA	11/04/2024	7070	11/04/2044
2021/167	MK5601	Japanese Tea	Not Applicable	Camellia	taliensis × C. sinensis	National Agriculture and Food Research Organization	29/02/2024	7062	29/02/2044
2017/003	New York 2		Not Applicable	Malus	domestica	Cornell University	16/02/2024	7059	16/02/2049
2020/017	DrisBlueEighteen	Blueberry	Not Applicable	Vaccinium	corymbosum	Driscoll's, Inc.	09/01/2024	7043	09/01/2044
2020/266	ADVENTURE	Tomato	Not Applicable	Solanum	lycopersicum L.	Rijk Zwaan Zaadteelt en	09/02/2024	7055	09/02/2044

						Zaadhandel B.V.			
2019/048	Final 131	Sweet Cherry	Not Applicable	Prunus	avium	Peter Stoppel	16/01/2024	7049	16/01/2049
2016/041	Primaris	Wild Rocket	Not Applicable	Diplotaxis	tenuifolia	HM.CLAUSE SA	08/02/2024	7053	08/02/2044
2018/136	Wirrega	Lucerne	AGC04	Medicago	sativa	Alpha Group Consulting Pty Ltd	05/03/2024	7063	05/03/2044
2016/078	Barlach	Lettuce	Not Applicable	Lactuca	sativa	Rijk Zwaan Zaadteelt en Zaadhandel B.V.	15/02/2024	7057	15/02/2044
2022/235	ANNISOLE		Not Applicable	Lactuca	sativa	Syngenta Crop Protection AG	13/12/2023	7036	13/12/2043
2017/310	DrisRaspThirteen	Raspberry	Not Applicable	Rubus	idaeus	Driscoll's, Inc.	09/02/2024	7056	09/02/2044
2020/142	Manwhite	Mandevilla	Not Applicable	Mandevilla	hybrid	NuFlora International Pty Ltd	23/01/2024	7051	23/01/2044
2018/196	PA2UNIBO	Sweet Cherry	Not Applicable	Prunus	avium	Alma Mater Studiorum - Universita of Bologna	10/04/2024	7068	10/04/2049
2021/268	Cumulus	Apple	Not Applicable	Malus	domestica	VYZKUMNY A SLECHTITELSKY USTAV OVOCNARSKY HOLOVOUSY s.r.o.	15/12/2023	7040	15/12/2048
2016/025	Starlight	Grape vine	Not Applicable	Vitis	vinifera	The State of Israel, Ministry of Agriculture	08/02/2024	7054	08/02/2049

						& Rural Development, Agricultural Research Organization			
2020/115	Beast	Barley	Not Applicable	Hordeum	vulgare	Australian Grain Technologies Pty Ltd	10/01/2024	7045	10/01/2044
2020/020	DrisBlueNineteen	Blueberry	Not Applicable	Vaccinium	corymbosum	Driscoll's, Inc.	01/02/2024	7052	01/02/2044
2015/100	LLP002	Matt Rush	Little Lime	Lomandra	confertifolia ssp. Pallida	Ian Shimmen	29/02/2024	7061	29/02/2044
2020/253	Wonmi		Not Applicable	Diospyros	kaki	Republic of Korea (Rural Development Administration)	03/04/2024	7066	03/04/2049
2018/197	PA3UNIBO	Sweet Cherry	Not Applicable	Prunus	avium	Alma Mater Studiorum - Universita of Bologna	10/04/2024	7069	10/04/2049
2020/191	Stella Rouge	Daylily	Not Applicable	Hemerocallis	hybrida	AD Salmon & BM Thomas	15/04/2024	7071	15/04/2044
2018/135	Willalooka	Lucerne	AGC03	Medicago	sativa	Alpha Group Consulting Pty Ltd	06/03/2024	7064	06/03/2044
2020/273	Stella Tangerine	Daylily	Not Applicable	Hemerocallis	hybrid	AD Salmon & BM Thomas	18/04/2024	7073	18/04/2044
2021/277	AUSF1	Dark septate endophytic fungus	Not Applicable	Periconia	macrospinosa	Loam Bio Pty Ltd.	08/12/2023	7034	08/12/2043
2020/254	Wonchu		Not Applicable	Diospyros	kaki	Republic of Korea (Rural	03/04/2024	7067	03/04/2049

						Development Administration)			
2022/128	Orakio	Lettuce	Not Applicable	Lactuca	sativa	Syngenta Crop Protection AG	09/01/2024	7044	09/01/2044
2021/232	CJAUS-1	Sesame	Not Applicable	Sesamum	indicum	CJ Cheiljedang	29/02/2024	7060	29/02/2044
2017/035	Regalyou	Apple	Not Applicable	Malus	domestica	Agro Selections Fruits S.A.S.	22/04/2024	7074	22/04/2049
2021/278	AUSF2	Fungal Endophyte	Not Applicable	Leptodontidium	orchidicola	Loam Bio Pty Ltd.	13/12/2023	7037	13/12/2043

Refusals

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

Applications Withdrawn

The following varieties are withdrawn under Section 34(2) of the PBR Act 1994 and are no longer under provisional protection:

Application Number	Variety Name	Common Name	Synonym	Genus	Species	Applicant(s)	Withdrawal Date
2022/213	GreenArrow Millet		Not Applicable	Echinochloa		Upper Murray Seeds	11/04/2024
2021/056	CARIBBEAN JACKPOT	Melon	Not Applicable	Cucumis	melo	Rijk Zwaan Zaadteelt en Zaadhandel B.V.	07/02/2024
2020/048	AUSWAGSY	Rose	Not Applicable	Rosa	hybrid	David Austin Roses Limited	15/02/2024
2018/208	FF03-178	Blueberry	Not Applicable	Vaccinium	corymbosum	Fall Creek Farm & Nursery, Inc.	05/03/2024
2018/107	GB03	Greek Basil	Not Applicable	Ocimum	minimum	Ozbreed Pty Ltd	09/04/2024
2023/241	AeroAlgae CO2Max		Carbonite	Scenedesmus	sp.	University of Technology Sydney	28/02/2024
2018/266	AGV1007	Sesame	Not Applicable	Sesamum	indicum	Agriventis Technologies Pty. Ltd.	01/02/2024
2015/050	Advaberimar	Raspberry	Not Applicable	Rubus	idaeus	Advanced Berry Breeding	18/12/2023
2008/152	Spring Heaven	Nectarine	Not Applicable	Prunus	persica var. nucipersica	Zaiger's Inc. Genetics	25/01/2024
2021/237	PBI-MusGold	Indian Mustard	PBI 7 - Y	Brassica	juncea	The University of Sydney	30/01/2024
2018/262	AGV1003	Chickpea	Not Applicable	Cicer	arietinum	Agriventis Technologies Pty. Ltd.	01/02/2024
2023/266	MBC003	Banana	Not Applicable	Musa	acuminata	Musa Breeding Corporation	04/01/2024
2021/021	MULTIRED 144	Lettuce	Not Applicable	Lactuca	sativa	Nunhems B.V.	13/02/2024

2023/049	JF901-2	Sage	Not Applicable	Salvia	(splendens x guarantica) x buchananii	Plant Growers Australia Pty Ltd	28/02/2024
2011/034	DBK01	Giant Water Gum	Not Applicable	Syzygium	francisii	Don & Marea Burke	19/12/2023
2018/263	AGV1004	Chickpea	Not Applicable	Cicer	arietinum	Agriventis Technologies Pty Ltd	01/02/2024
2021/255	Desert-Flame	Cannabis	Not Applicable	Cannabis	hybrid	Little Green Pharma	02/01/2024
2021/060	MULTIGREEN 111	Lettuce	Not Applicable	Lactuca	sativa	Nunhems B.V.	15/02/2024
2011/313	Little Mac	Spotted Gum	Not Applicable	Corymbia	maculata	Vic John Ciccolella	08/01/2024
2020/186	ANABP 16	Apple	Not Applicable	Malus	domestica	Western Australian Agriculture Authority	18/12/2023
2020/188	ANABP 15	Apple	Not Applicable	Malus	domestica	Western Australian Agriculture Authority	18/12/2023
2018/081	LB01		Not Applicable	Melissa	officinalis	Ozbreed Pty Ltd	09/04/2024
2021/235	PBI-MusWin	Indian Mustard	PBI 71- Y	Brassica	juncea	The University of Sydney	31/01/2024
2023/255	A15 17	Strawberry	Not Applicable	Fragaria	xananassa	Masia Ciscar S.A.	28/02/2024
2017/206	AYA 1	Strawberry	Not Applicable	Fragaria	xananassa	Efraim Yosef	22/04/2024
2019/187	MULTIGREEN 114	Lettuce	Not Applicable	Lactuca	sativa L.	Nunhems B.V.	15/02/2024
2014/113	BL-39	Leucaena	Not Applicable	Leucaena	pallida x Leucaena leucocephala	The University of Queensland, Meat & Livestock Australia Limited	23/01/2024
2021/214	FCM12-131	Blueberry	Not Applicable	Vaccinium	corymbosum hybrid	Fall Creek Farm & Nursery, Inc.	29/02/2024

2022/294	BABINDA	Tomato	Not Applicable	Solanum	lycopersicum	Seminis Vegetable Seeds, Inc.	05/04/2024
2023/248	ICE JAZZ	Lettuce	IceJazz	Lactuca	sativa	Syngenta Crop Protection AG	26/02/2024
2020/265	MULTIRED 134	Lettuce	Not Applicable	Lactuca	sativa	Nunhems B.V.	15/02/2024
2021/250	MULTIRED 164	Lettuce	Not Applicable	Lactuca	sativa	Nunhems B.V.	15/02/2024
2018/272	AGV1013	Sesame	Not Applicable	Sesamum	indicum	Agriventis Technologies Pty. Ltd.	01/02/2024
2017/123	Zenturion	Melon	Not Applicable	Cucumis	melo	Nunhems B.V.	15/02/2024
2023/048	Serendip 19	Sage	Not Applicable	Salvia	miniata x buchananii	Plant Growers Australia Pty Ltd	28/02/2024
2013/306	Tyson	Perennial Ryegrass	Not Applicable	Lolium	perenne	New Zealand Agriseeds Limited	18/12/2023

Grants Revoked

The following varieties have been revoked under Section 50 of the Plant Breeder's Rights Act 1994, and are no longer under PBR protection:

Application Number	Variety Name	Common Name	Synonym	Genus	Species	Applicant(s)	Revocation Date
2007/282	Fig-A-Row	Small leaved Fig	Not Applicable	Ficus	obliqua	Agbiz Holdings Pty Ltd and Southern Advanced Plants Pty Ltd	28/02/2024
2017/282	Trevine	Tomato	Not Applicable	Solanum	lycopersicum	Nunhems B.V.	07/12/2023
2010/122	LCS1	Mat Rush	Not Applicable	Lomandra	sp.	TC Australia Pty Ltd	02/01/2024

Grants Surrendered

The following varieties are surrendered under Section 52 of the Plant Breeder 's Rights Act 1994 and the breeder's rights protection has ceased:

Application Number	Variety Name	Common Name	Synonym	Genus	Species	Applicant(s)	Surrendered Date
2017/029	OREG04	Oregano	Not Applicable	Origanum	vulgare	Ozbreed Pty Ltd	02/02/2024
2015/016	LuckyLanternYellow	Chinese lantern	Not Applicable	Abutilon	hybrid	NuFlora International Pty Ltd	21/12/2023
2011/115	Auschariot	Rose	Not Applicable	Rosa	hybrid	David Austin Roses Limited	29/02/2024
2015/196	Mongreb	Nectarine	Not Applicable	Prunus	persica var. nucipersica	Rene Monteux-Caillet	28/03/2024
2011/012	LEO 4363	Aloe	Not Applicable	Aloe	hybrid	Leo Peter Erik Thamm	28/02/2024
1999/124	Ivory Pillar	Pittosporum	Not Applicable	Pittosporum	tenuifolium	All Grow Wholesale Nursery	19/04/2024
2013/078	Bonaire Wind	Chinese Hibiscus	Not Applicable	Hibiscus	rosa-sinensis	Aris Horticulture Incorporated	19/12/2023
2019/031	HeatwaveFlash	Sage	Not Applicable	Salvia	hybrid	Plant Growers Australia	01/02/2024
2012/040	RADIANCE	Raspberry	Not Applicable	Rubus	ideaus	Plant Sciences Inc.; Berry R & D Inc.	08/04/2024
2008/333	Reggae Breeze	Chinese Hibiscus	Not Applicable	Hibiscus	rosa-sinensis	Yoder Brothers, Inc.	19/12/2023
2015/197	Monaland	Nectarine	Not Applicable	Prunus	persica var. nucipersica	Rene Monteux-Caillet	28/03/2024
2010/129	AUSPASTOR	Rose	Not Applicable	Rosa	hybrid	David Austin Roses Limited	29/02/2024
2012/053	LEO 8521A	Aloe	Not Applicable	Aloe	hybrid	Leo Peter Erik Thamm	28/02/2024

2013/081	Tobago Wind	Chinese Hibiscus	Not Applicable	Hibiscus	rosa-sinensis	Aris Horticulture Incorporated	18/12/2023
2005/085	With Love	Italian Lavender	Not Applicable	Lavandula	hybrid	Plant Growers Australia Pty Ltd	21/12/2023
2008/343	Tye-Dye Wind	Chinese Hibiscus	Not Applicable	Hibiscus	rosa-sinensis	Yoder Brothers, Inc.	18/12/2023
2009/024	Heatwave Glimmer	Sage	Not Applicable	Salvia	hybrid	Plant Growers Australia	15/03/2024
2010/265	FM324A135	European Pear	Not Applicable	Pyrus	communis	Wolfgang Muller, Baum-und Rosenschule	27/02/2024
1999/125	Ivory Sheen	Pittosporum	Not Applicable	Pittosporum	tenuifolium	All Grow Wholesale Nursery	19/04/2024
2009/101	QUINTUS	Lettuce	Not Applicable	Lactuca	sativa	Rijk Zwaan Zaadteelt en Zaadhandel B.V.	19/01/2024
2009/115	Ridley 1104	Southern Highbush Blueberry	Not Applicable	Vaccinium	hybrid	Mountain Blue Orchards Pty Ltd	13/12/2023
2005/310	M13-01	Grape vine	Not Applicable	Vitis	vinifera	Commonwealth Scientific and Industrial Research Organisation	29/02/2024
2013/080	Samoa Wind	Chinese Hibiscus	Not Applicable	Hibiscus	rosa-sinensis	Aris Horticulture Incorporated	20/12/2023
2008/342	Baja Breeze	Chinese Hibiscus	Not Applicable	Hibiscus	rosa-sinensis	Yoder Brothers, Inc.	18/12/2023
2004/227	M51-18	Grape vine	Not Applicable	Vitis	vinifera	Commonwealth Scientific and Industrial Research Organisation	29/02/2024

2010/262	KBMS1	Scarlet Kunzea	Not Applicable	Kunzea	baxteri	Michael Edwards	19/04/2024
2014/078	Ausboxer	Rose	Not Applicable	Rosa	hybrid	David Austin Roses Limited	29/02/2024
2008/331	Montego Wind	Chinese Hibiscus	Not Applicable	Hibiscus	rosa-sinensis	Yoder Brothers, Inc.	19/12/2023
2013/079	Cayman Wind	Chinese Hibiscus	Not Applicable	Hibiscus	rosa-sinensis	Aris Horticulture Incorporated	18/12/2023
2017/207	Peles	Strawberry	Not Applicable	Fragaria	xananassa	Efraim Yosef	22/04/2024
2003/340	Laura Mae Pearl	Waxflower	Not Applicable	Chamelaucium	hybrid	Botanic Gardens and Parks Authority	17/12/2023
2011/277	Barazur	Couchgrass	Not Applicable	Cynodon	dactylon	Barenbrug USA, Inc.	23/01/2024
2011/055	M 44-14	Grape vine	Not Applicable	Vitis	vinifera hybrid	CSIRO	29/02/2024
2008/248	Little Silver	Bottlebrush	Not Applicable	Callistemon	viminalis	Terence Charles Keogh	12/01/2024
2013/082	Tonga Wind	Chinese Hibiscus	Not Applicable	Hibiscus	rosa-sinensis	Aris Horticulture Incorporated	18/12/2023

Grants Expired

The following varieties have expired under Section 22(2) of the PBR Act 1994 and are no longer under PBR protection:

Application Number	Variety Name	Common Name	Synonym	Genus	Species	Applicant(s)	Expiry Date
2003/056	Plepalila	Spurflower	Not Applicable	Plectranthus	hybrid	National Botanical Institute	08/03/2024
2000/110	AUSLOT	Rose	Not Applicable	Rosa	hybrid	David Austin Roses Ltd	18/12/2023
1995/046	RED PRINCESS	European Pear	Not Applicable	Pyrus	communis	Mr Paul Giankos	31/03/2024
2002/040	CONCA D'OR	Lily	Vletcon	Lilium	hybrid	Vletter & Den Haan Beheer B.V.	08/03/2024
1997/314	AUSSIE BOOMER	Lilly Pilly	Not Applicable	Syzygium	australe	Lloyd W Vagg and Joan M Vagg	31/03/2024
2002/042	MANISSA	Lily	Vletman	Lilium	hybrid	Vletter & Den Haan Beheer B.V.	08/03/2024
1999/082	Noala	Rose	Coral Ground Cover	Rosa	hybrid	Reinhard Noack	20/02/2024
1999/046	PARJENNI	Camellia	Not Applicable	Camellia	sasanqua	The Paradise Seed Company Pty. Ltd.	08/03/2024
2000/108	AUSBAKER	Rose	Not Applicable	Rosa	hybrid	David Austin Roses Ltd	03/02/2024
2001/308	Allyn Magic	Small leaf Lilly Pilly	Not Applicable	Acmena	smithii var minor	VF and NC Jupp	08/03/2024
1989/005	ROHDE SUMMER NAVEL	Sweet Orange	Not Applicable	Citrus	sinensis	Chislett Developments Pty Ltd	03/03/2024
2002/003	Noalesa	Rose	Gold Ground Cover	Rosa	hybrid	Reinhard Noack	23/12/2023
2001/012	GRU CO 0001	Variegated Croton	Zanzibar	Codiaeum	variegatum	Andre De Gruyter BV	08/03/2024
2001/094	Conlec	Azalea	Autumn Royalty	Rhododendron	hybrid	Robert E Lee	11/02/2024

2000/111	AUSMOVE	Rose	Not Applicable	Rosa	hybrid	David Austin Roses Ltd	18/12/2023
1995/068	KENSINGTON RED	Mango	Not Applicable	Mangifera	indica	Lucar Nominees Pty Ltd	22/12/2023
1999/363	JACshaq	Rose	Not Applicable	Rosa	hybrid	Bear Creek Gardens, Inc.	08/03/2024
2001/084	Bedspread	Grevillea	Not Applicable	Grevillea	hybrid	Peter James Ollerenshaw	15/12/2023
2001/174	Mulato	Brachiaria hybrid	Not Applicable	Brachiaria	ruziziensis x Brachiaria brizantha	Centro Internacional de Agricultura Tropical (CIAT)	05/02/2024
2002/131	Moroccan Beauty	Moroccan Glory Bind	Not Applicable	Convolvulus	sabatius	Plant Growers Australia	15/12/2023
1999/040	PARBARB	Camellia	Not Applicable	Camellia	sasanqua	The Paradise Seed Company Pty. Ltd.	08/03/2024
2002/306	Tribute	White Clover	Not Applicable	Trifolium	repens	Grasslanz Technology Limited	03/02/2024

Change of Applicant Name

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

Transfer/Assignment of Rights

Application Number	Variety Name	Common Name	Synonym	Genus	Species	Changed From	Changed To	Date of Change
2021/047	Severn	Wheat		Triticum	aestivum	S & W Seed Company Australia Pty Ltd	Trigall Australia Pty Ltd	14/03/2024
2011/143	JCU 5	Desmanthus		Desmanthus	virgatus	Biologix Pty Ltd as trustee for the Biologix Trust	Selected Seeds Pty Ltd	22/02/2024
2011/146	JCU 4	Desmanthus		Desmanthus	bicornutus	Biologix Pty Ltd as trustee for the Biologix Trust	Selected Seeds Pty Ltd	22/02/2024
2016/360	JCU7	Desmanthus		Desmanthus	leptophyllus	Biologix Pty Ltd as trustee for the Biologix Trust	Selected Seeds Pty Ltd	22/02/2024
2016/362	JCU9	Desmanthus		Desmanthus	pernambucanus	Biologix Pty Ltd as trustee for the Biologix Trust	Selected Seeds Pty Ltd	22/02/2024
2016/361	JCU8	Desmanthus		Desmanthus	virgatus	Biologix Pty Ltd as trustee for the Biologix Trust	Selected Seeds Pty Ltd	22/02/2024
2016/359	JCU6	Desmanthus		Desmanthus	bicornutus	Biologix Pty Ltd as trustee for the Biologix Trust	Selected Seeds Pty Ltd	22/02/2024

2011/144	JCU 2	Desmanthus		Desmanthus	virgatus	Biologix Pty Ltd as trustee for the Biologix Trust	Selected Seeds Pty Ltd	22/02/2024
2011/145	JCU 1	Desmanthus		Desmanthus	leptophyllus	Biologix Pty Ltd as trustee for the Biologix Trust	Selected Seeds Pty Ltd	22/02/2024
2011/147	JCU 3	Desmanthus		Desmanthus	virgatus	Biologix Pty Ltd as trustee for the Biologix Trust	Selected Seeds Pty Ltd	22/02/2024

Change or Nomination of Agent

Application Number	Variety Name	Common Name	Synonym	Genus	Species	Changed From	Changed To	Date of Change
2013/024	Harrosy	Gaura		Gaura	lindheimeri	Aussie Winners Pty Ltd	Proven Winners Australasia Pty Ltd as trustee for Proven Winners Australasia Trust	02/04/2024
2011/201	PBA Boundary	Chickpea		Cicer	arietinum		Department of Primary Industries New South Wales	08/03/2024
2009/186	PBA Slasher	Chickpea		Cicer	arietinum		Department of Primary Industries New South Wales	08/03/2024
2009/185	PBA HatTrick	Chickpea		Cicer	arietinum		Department of Primary Industries New South Wales	08/03/2024
2017/044	Lagorai Plus	Raspberry		Rubus	idaeus	Spruson & Ferguson	Plant Varieties Australia Pty Ltd	15/03/2024
2013/320	ZF06-179	Blueberry		Vaccinium	corymbosum x angustifolium	A J Park	Ball Australia Pty Ltd	05/03/2024
2011/197	PBA Warda	Field Bean		Vicia	faba		Department of Primary	08/03/2024

							Industries New South Wales	
2009/301	PBA Pistol	Chickpea		Cicer	arietinum		Department of Primary Industries New South Wales	08/03/2024
2007/002	KKH01	Bottlebrush		Callistemon	pallidus x citrinus	Aussie Winners Pty Ltd	Proven Winners Australasia Pty Ltd as trustee for Proven Winners Australasia Trust	26/04/2024
2016/097	KEK 5006	African Lily	Zambezi	Agapanthus	praecox	Sprint Horticulture Pty Ltd	Proven Winners Australasia Pty Ltd as ttee for Proven Winners Australasia Trust	29/04/2024
2006/294	INNEUPHE	Grassleaf Spurge		Euphorbia	graminea	Aussie Winners Pty Ltd	Proven Winners Australasia Pty Ltd as ttee for Proven Winners Australasia Trust	05/04/2024
2016/362	JCU9	Desmanthus		Desmanthus	pernambucanus	Agrimix Pastures Pty Ltd	TALBOTSAYER PTY LTD	28/02/2024

2016/359	JCU6	Desmanthus		Desmanthus	bicornutus	Agrimix Pastures Pty Ltd	TALBOTSAYER PTY LTD	28/02/2024
2011/143	JCU 5	Desmanthus		Desmanthus	virgatus	Nick Kempe	TALBOTSAYER PTY LTD	28/02/2024
2011/146	JCU 4	Desmanthus		Desmanthus	bicornutus	Nick Kempe	TALBOTSAYER PTY LTD	28/02/2024
2011/144	JCU 2	Desmanthus		Desmanthus	virgatus	Nick Kempe	TALBOTSAYER PTY LTD	28/02/2024
2011/145	JCU 1	Desmanthus		Desmanthus	leptophyllus	Nick Kempe	TALBOTSAYER PTY LTD	28/02/2024
2020/074	Sarafina	Raspberry	ABB 120	Rubus	idaeus	SR OP CO PTY LTD	Perfection Fresh Australia Pty Ltd	01/02/2024
2020/075	Shani	Raspberry	ABB 121	Rubus	idaeus	SR OP CO PTY LTD	Perfection Fresh Australia Pty Ltd	07/02/2024
2010/135	Inlbusnopr	Alyssum		Lobularia	hybrid	Aussie Winners Pty Ltd	Proven Winners Australasia Pty Ltd as ttee for Proven Winners Australasia Trust	28/03/2024
2016/083	Uraraka	Rice		Oryza	sativa	New South Wales Department of Primary Industries	Ricegrowers Limited trading as SunRice	22/12/2023
2013/322	ZF06-043	Blueberry		Vaccinium	corymbosum	A J Park	Ball Australia Pty Ltd	28/02/2024

2016/361	JCU8	Desmanthus		Desmanthus	virgatus	Agrimix Pastures Pty Ltd	TALBOTSAYER PTY LTD	28/02/2024
2016/360	JCU7	Desmanthus		Desmanthus	leptophyllus	Agrimix Pastures Pty Ltd	TALBOTSAYER PTY LTD	28/02/2024
2011/147	JCU 3	Desmanthus		Desmanthus	virgatus	Nick Kempe	TALBOTSAYER PTY LTD	28/02/2024
2013/321	ZF06-079	Blueberry		Vaccinium	corymbosum	A J Park	Ball Australia Pty Ltd	29/02/2024
2018/261	AGV1002	Chickpea		Cicer	arietinum	Peter Maxwell and Associates	Leonard Mancini of IP Solved (ANZ) Pty Ltd	12/01/2024
2021/079	YRE16 V071	Rice		Oryza	sativa	NSW Department of Primary Industries	Ricegrowers Limited trading as SunRice	21/12/2023
2019/009	YRL39	Rice		Oryza	sativa	NSW Department of Primary Industries	Ricegrowers Limited trading as SunRice	22/12/2023
2016/087	YRM70	Rice		Oryza	sativa	New South Wales Department of Primary Industries	Ricegrowers Limited trading as SunRice	22/12/2023
2009/126	INNCLEOSR	Spider Flower		Cleome	spinosa	Aussie Winners Pty Ltd	Proven Winners Australasia Pty Ltd as ttee for Proven Winners	28/03/2024

							Australasia Trust	

Denomination (Variety Name) Changes

Application Number	Common Name	Synonym	Genus	Species	Changed From	Changed To	Date of Change
2023/246			Triticum	aestivum	Mullet	Wallaroo	03/04/2024
2023/199	Wheat		Triticum	aestivum	SUN1081A	Intrigue	07/03/2024
2023/239	Spinach		Spinacia	oleracea	220865697	PMSP220865697	30/01/2024
2018/100	Kiwifruit	JINSHI 1	Actinidia	chinensis	HFY01	JINSHI 1	15/04/2024

Change/Addition of Synonym

Application Number	Variety Name	Common Name	Genus	Species	Changed From	Changed To	Date of Change
2021/195	Allure	Italian Ryegrass	Lolium	multiflorum		Fascinate	02/01/2024
2018/100	HFY01	Kiwifruit	Actinidia	chinensis	JINSHI 1	HFY01	15/04/2024

Corrigenda

Oats
Avena sativa
Application Number: 2021/254
'Oliver'
Synonym: "PAL19". This information was missing in the variety description published in the Plant Varieties Journal Vol. 35 No.4.

Lettuce
Lactuca sativa
Application Number: 2021/160
'RECILIA'
Breeder: Juan Francisco Mûnoz Mûnoz, Nunhems B.V., Netherlands. This information was missing in the variety description published in the Plant Varieties Journal Vol. 35 No.4.

Blueberry
Vaccinium hybrid
Application Number: 2020/222
'Ridley 1702'
In the variety description published in the Plant Varieties Journal Vol. 36 No.2, the variety name should read 'Ridley 1702' and the botanical name of the variety should read *Vaccinium* hybrid.

Sweet Cherry
Prunus avium
Application Number: 2022/058
'Balrine'
Breeder: CTIFL - Centre technique interprofessional des fruit et legumes, Paris, 75017, France. This information was missing in the variety description published in the Plant Varieties Journal Vol. 35 No.4.

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 director of Consultant QPs

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

Last Name	**First Name**
Arkinstall	Sean
De Barro	James
Ansari	Omid
Fitzgibbon	John
Matthews	Michael
Wei	Xianming
Coventry	Stewart
Jupp	Noel
Cecil	Andrew
Peck	David
Katz	Mark
Liu	Ming-Chung
Todd	Peter
Peck	Gavin
Tancred	Stephen
Paull	Jeffrey
O'Connor	Daniel
van den Berg	Louisa
Granger	Andrew
Berryman	Pamela
Clothier	Damien
Real	Daniel
Nagel	Stuart
Clayton-Greene	Kevin
Manson	Daniel
O'Leary	Finbarr
Lewis	Hartley
Collins	David
Tabah	David
Kaehne	Ian
Harmer	Martin
Smark	Jordan
Russell	Dougal
Campbell	David
Smith	Leigh
Boorman	Des
Neal	Jodi
Madsen	Dean
Senior	Michael
Kitson	Elizabeth
Snell	Peter
Chesher	Wayne
Peng	Fei
Pegg	Amelia
Clifton	Hannah
Rayner	Kenneth

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

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

Appendix 3- Centralised Testing Centres

Under Plant Breeder's Rights Regulations introduced in 1996, establishments may be officially authorised by the PBR office to conduct test growing's. An authorised establishment will be known as Centralised Test Centre (CTC).

Usually, the implementation of PBR in Australia relies on a 'breeder testing' system in which the applicant, in conjunction with a nominated Qualified Person (QP), establishes, conducts, and reports a comparative trial. More often than not, trials by several breeders are being conducted concurrently at different sites. This makes valid comparisons difficult and often results in costly duplication.

While the current system is and will remain satisfactory, other optional testing methods are available which adds flexibility to the PBR process.

Centralised Testing is one such optional system. It is based upon the authorisation of private or public establishments to test one or more genera of plants. Applicants can choose to submit their varieties for testing by a CTC or continue to do the test themselves. Remember, using a CTC to test your variety is voluntary.

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

The PBR office has amended its fees so that cost savings can be passed to applicants who choose to test their varieties in a CTC. Accordingly, when one or more candidate varieties are tested, each will qualify for the CTC examination fee of $920. This is a saving of more than 40% over the normal fee of $1610.

Establishments wishing to be authorised as a CTC may apply in writing to the PBR office outlining their claims against the selection criteria. Initially, only one CTC will be authorised for each genus. Exemptions to this rule can be claimed due to special circumstances, industry needs and quarantine regulations. Authorisations will be reviewed periodically and may be withdrawn at any time if considered no longer suitable, inactive or the listed Qualified Person(s) are no longer accredited. The onus is on the CTC establishment to contact the PBR Office if their authorisation details change. If authorisation is withdrawn then a new application will be necessary if re-authorisation is required.

Authorisation of CTCs is not aimed solely at large research institutions. Smaller establishments with appropriate facilities and experience can also apply for CTC status. There is no cost for authorisation as a CTC.

REQUESTS FOR AUTHORISATION AS A'CENTRALISED TESTING CENTRE

Establishments interested in gaining authorisation as a Centralised Testing Centre should apply in writing addressing each of the Conditions and Selection Criteria outlined below.

Conditions and Selection Criteria

To be authorised as a CTC, the following conditions and criteria will need to be met: **Appropriate facilities**

While in part determined by the genera being tested, all establishments must have facilities that allow the conduct and completion of moderate to large-scale scientific experiments without undue environmental influences. Again, dependent on genera, a range of complementary testing and propagation facilities (e.g. outdoor, glasshouse, shade house, tissue culture stations) is desirable.

Experienced staff

Adequately trained staff, and access to appropriately accredited Qualified Persons, with a history of successful PVR/PBR applications will need to be available for all stages of the trial from planting to the presentation of the trial the relevant UPOV protocols, technical guideline or national descriptor for the genus should be followed. Where necessary the establishment and conduct of the trial can be discussed with the PBR office.

Industry support

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

Long-term storage of genetic material

Applicants nominate where their material is to be maintained prior to grant. However, depending upon the genus, a CTC may be in a position to collect and maintain, at minimal cost, genetic resources of vegetatively propagated species as a source of comparative varieties. Applicants indicating a willingness to act as national genetic resource centre in perpetuity will be favoured.

Contract testing for 3rd Parties

Unless exempted inwriting by the PBR office operators of a CTC must be prepared to test varieties submitted by a third party.

Relationship between CTC and 3rd Parties

A formal arrangement between the CTC and any third party including fees for service will need to be prepared and signed before the commencement of the trial. It will include among other things: how the plant material will be delivered (e.g. date, stage of development plant, condition etc); allow the applicant and/or their agent and QP access to the site during normal working hours; and release the use of all trial data to the owners of the varieties included in the trial.

One trial at a time

Unless exempted in writing by the PBR office, all candidates and comparators should be tested in a single trial.

One CTC per genus

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

Authorised Centralised Test Centres (CTCs)

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

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

Name	Location	Approved Genera	Facilities	Name of QP	Date of accreditat ionon	Next review date
Tahune Fields Nursery	Huon Valley Southern Tasmania	Pome Fruit	Comprehensive equipment and facilities for large scale propagation, growing, conditioning, storage, marketing and transport	G. Brown	12/03/2015	1/12/2022
Agronico Technology Pty Ltd	Leith, TAS	Solanum tuberosum	Access to tissue culture storage and mini tuber production facilities (VICSPA accredited),for storing and multiplying varieties in preparation for testing	Stewart McKay, James Hills	7/04/2016	1/12/2022
G Crumpton & Sons & Co Pty Ltd	Crawford,QLD	Duboisia	Comprehensive growing facilities	D. Loch	13/12/2016	1/12/2022
Driscolls AustraliaPty Ltd	Palmwoods,QLD	Fragaria spp., Vaccinium spp., Rubus spp.	Irrigated fieldtrial areas, laboratory facilities, glasshouse	Jennifer Moisander	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 accreditat ionon	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, VIC3115	Lagerstroemia	Outdoor and indoor growingareas	M. Lunghusen	13/08/2021	1/12/2022

Appendix 4 – Register of Plant Varieties

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