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This part of the Plant Varieties Journal provides public notices on Acceptances, Variety Descriptions, Grants and Variations etc. The Public Notices of Plant Varieties Journal (Vol. 37 Issue 1) are listed below:

Contents

Acceptance

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
2024/129	NSG 465	Strawberry	Not Applicable	*Fragaria*	*x ananassa Duchesne ex Rozier*	Nova Siri Genetics S.R.L.	11/07/2024
2021/296	IFG Cher-seven	Sweet Cherry	Not Applicable	*Prunus*	*avium*	Bloom Fresh International Limited	30/05/2024
2024/031	ANABP 13	Apple	Not Applicable	*Malus*	*domestica*	Western Australian Agriculture Authority	08/05/2024
2024/091	RALSTON	Lettuce	Not Applicable	*Lactuca*	*sativa*	Rijk Zwaan Zaadteelt en Zaadhandel B.V.	20/05/2024
2024/017	HIKARIO	Lettuce	Not Applicable	*Lactuca*	*sativa*	Syngenta Crop Protection AG	04/06/2024
2024/138	IFG Forty-two	Grapevine	Not Applicable	*Vitis*	*vinifera*	Bloom Fresh International Limited	16/07/2024
2024/130	Quintera	Potato	Not Applicable	*Solanum*	*tuberosum L.*	IPR B.V.	10/07/2024
2024/059	Violet	Hybrid Ryegrass	Not Applicable	*Lolium*	*xhybridum*	Valley Seeds Proprietary Limited	28/05/2024
2024/099	Jandrie	Blackberry, Boysenberry, Loganberry	Not Applicable	*Rubus*	*subg. Rubus*	ROYAKKERS EXPLORE	14/06/2024
2024/092	Dazzler	Isopogon	Not Applicable	*Isopogon*	*latifolius*	Phillip Dowling	24/05/2024
2024/085	ENCATCHER	Tomato	Not Applicable	*Solanum*	*lycopersicum × S. habrochaites*	Nunhems B.V.	10/05/2024
2024/104	Rottnest	Bread Wheat	Not Applicable	*Triticum*	*aestivum*	Australian Grain Technologies Pty Ltd	06/06/2024
2024/071	Choka G11	Grapevine	Not Applicable	*Vitis*	*hybrid*	Nagano Prefecture	07/05/2024
2024/134	QUEENBEE	Lettuce	Not Applicable	*Lactuca*	*sativa*	Nunhems B.V.	15/07/2024
2024/132	Snow Belle	Peach	Not Applicable	*Prunus*	*persica*	Zaiger's Inc. Genetics	15/07/2024
2024/026	P100409	Spur-flower	Not Applicable	*Plectranthus*	*hilliardiae x P. saccatus*	The PJ Allderman Trust	10/05/2024
2024/033	ANABP 17	Apple	Not Applicable	*Malus*	*domestica*	Western Australian Agriculture Authority	08/05/2024

2024/093	S 96-10		Not Applicable	*Citrus*	*hybrid*	Commonwealth Scientific and Industrial Research Organisation (CSIRO)	20/06/2024
2024/122	BREONICE	Tomato	Not Applicable	*Lycopersicon*	*esculentum*	Seminis Vegetable Seeds, Inc	31/05/2024
2024/027	Oclaire	Potato	Not Applicable	*Solanum*	*tuberosum L.*	SIPRE	27/06/2024
2024/048	MAYAN510	Melon	Not Applicable	*Cucumis*	*melo*	Nunhems Netherlands B.V.	06/06/2024
2024/032	ANABP 14	Apple	Not Applicable	*Malus*	*domestica*	Western Australian Agriculture Authority	08/05/2024
2024/105	Shotgun	Bread Wheat	Not Applicable	*Triticum*	*aestivum*	Australian Grain Technologies Pty Ltd	06/06/2024
2024/098	Spark	Oats	Not Applicable	*Avena*	*sativa*	NDSU Research Foundation	03/06/2024
2024/101	Binda CL Plus	Bread wheat	Not Applicable	*Triticum*	*aestivum*	AUSTRALIAN GRAIN TECHNOLOGIES PTY LTD	06/06/2024
2024/141	SINATRA	Potato	Not Applicable	*Solanum*	*tuberosum L.*	FAIRBANK'S SELECTED SEED CO. PTY. LTD.	30/07/2024
2024/057	Hypa	Hybrid Ryegrass	Not Applicable	*Lolium*	*xhybridum*	Valley Seeds Proprietary Limited	24/05/2024
2023/277	BUHEE		Not Applicable	*Prunus*	*persica*	Nagisa Aizawa	08/07/2024
2024/055	Dunstan	Perennial Ryegrass	Not Applicable	*Lolium*	*perenne*	Valley Seeds Proprietary Limited	24/05/2024
2024/128	NSG 9	Strawberry	Not Applicable	*Fragaria*	*x ananassa*	Nova Siri Genetics S.R.L.	11/07/2024
2024/030	ANABP 12	Apple	Not Applicable	*Malus*	*domestica*	Western Australian Agriculture Authority	08/05/2024
2024/140	CARLOS	Potato	Not Applicable	*Solanum*	*tuberosum L.*	FAIRBANK'S SELECTED SEED CO. PTY. LTD.	30/07/2024
2023/295	Buralmfour	Almond	Not Applicable	*Prunus*	*amygdalus*	The Burchell Nursery, Inc.	12/07/2024
2024/112	Sheegene 27	Grape vine	Not Applicable	*Vitis*	*vinifera*	Bloom Fresh International Limited	25/07/2024
2024/087	IFG Thirty-six	Grapevine	Not Applicable	*Vitis*	*vinifera*	Bloom Fresh International Limited	21/05/2024
2024/109	AS 23-70	Grapevine	Not Applicable	*Vitis*	*vinifera*	Andriske Research Pty Ltd	17/06/2024
2024/102	Ironbark	Bread wheat	Not Applicable	*Triticum*	*aestivum*	Australian Grain Technologies Pty Ltd	06/06/2024
2024/077	NOA813219	Rose	Not Applicable	*Rosa*	*hybrid*	Reinhard Noack	07/05/2024
2024/115	GRHP10	Hydrangea	Not Applicable	*Hydrangea*	*paniculata*	Guido Rouwette	21/06/2024

2024/082	ARDTHIRTYSIX	Grapevine	Not Applicable	*Vitis*	*vinifera*	AGRICULTURAL RESEARCH AND DEVELOPMENT LIMITED LIABILITY COMPANY	08/05/2024
2024/058	Inverno	Italian Ryegrass	Not Applicable	*Lolium*	*multiflorum*	Valley Seeds Proprietary Limited	16/05/2024
2024/081	PremP058	Pear	Not Applicable	*Pyrus*	*spp*	Prevar Limited	07/05/2024
2024/116	ROU201406	Hydrangea	Not Applicable	*Hydrangea*	*paniculata*	Guido Rouwette	21/06/2024
2024/120	AF15283	Field Bean	Not Applicable	*Vicia*	*faba*	Grains Research and Development Corporation, THE UNIVERSITY OF ADELAIDE	22/07/2024
2024/114	GRHP14	Hydrangea	Not Applicable	*Hydrangea*	*paniculata*	Guido Rouwette	21/06/2024
2024/117	Anvil	Hybrid ryegrass	Not Applicable	*Lolium*	*boucheanum*	Grasslands Innovation Limited	18/07/2024
2024/121	AF14092	Field Bean	Not Applicable	*Vicia*	*faba*	THE UNIVERSITY OF ADELAIDE, Grains and Research Development Corporation	22/07/2024
2024/083	ARDFORTYTHREE	Grapevine	Not Applicable	*Vitis*	*vinifera*	AGRICULTURAL RESEARCH AND DEVELOPMENT LIMITED LIABILITY COMPANY	08/05/2024
2024/108	Landsdale Melissa	benghalensis	Not Applicable	*Ficus*	*benghalensis*	Grey Willow Pty Ltd	13/05/2024
2024/079	Coral Shore		Not Applicable	*Grevillea*	*hybrid*	Australian Plant Specialists Pty Ltd	07/05/2024
2024/062	ROMATICO	Tomato	Not Applicable	*Solanum*	*lycopersicum*	Syngenta Crop Protection AG	26/07/2024
2024/139	DB01 Magenta	Kurrajong	Not Applicable	*Brachychiton*	*velutinosus x B. populneus*	Desmond Boorman	26/07/2024
2024/086	Flaming Red	Grevillea	Not Applicable	*Grevillea*	*thelemanniana*	Phillip Dowling	15/05/2024
2021/297	IFG Cher-nine	Sweet Cherry	Not Applicable	*Prunus*	*avium*	Bloom Fresh International Limited	30/05/2024
2024/154	LPB19-3527	Common Wheat, bread wheat	Not Applicable	*Triticum*	*aestivum*	LongReach Plant Breeders	30/07/2024
2024/097	IFG Thirty	Grapevine	Not Applicable	*Vitis*	*vinifera*	Bloom Fresh International Limited	03/06/2024

2024/119	Abuzz	Annual ryegrass	Not Applicable	*Lolium*	*multiflorum var. westerwoldicum*	Grasslands Innovation Ltd	27/06/2024
2024/118	Shift	Italian ryegrass	Not Applicable	*Lolium*	*multiflorum*	Grasslands Innovation Limited	18/07/2024
2024/016	PHELAGO	Lettuce	Not Applicable	*Lactuca*	*sativa*	Syngenta Crop Protection AG	05/06/2024
2024/056	Evoke	Annual Ryegrass	Not Applicable	*Lolium*	*multiflorum spp westerwoldicum*	Valley Seeds Proprietary Limited	21/05/2024
2024/100	Brighton	Bread wheat	Not Applicable	*Triticum*	*aestivum*	AUSTRALIAN GRAIN TECHNOLOGIES PTY LTD	19/06/2024
2024/076	JIND60	Meyer Lemon	Not Applicable	*Citrus*	*meyeri*	Jindabyne Nursery	16/05/2024
2023/019	CARNAC	Watermelon	Not Applicable	*Citrullus*	*lanatus*	HM. CLAUSE, Inc.	11/07/2024
2024/106	STOCKMAN	Bread wheat	SEA STOCKMAN	*Triticum*	*aestivum*	Seed Excellence Pty Ltd	19/06/2024
2024/075	DrisBlackTwentyTwo	Blackberry	Not Applicable	*Rubus*	*subgenus Rubus*	Driscoll's Inc	09/05/2024
2024/135	LONGREACH OPTIMUS	Common Wheat, bread wheat	LRPB OPTIMUS	*Triticum*	*aestivum*	LongReach Plant Breeders	15/07/2024
2024/024	Yanoon 3	Kiwi Fruit	Not Applicable	*Actinidia*	*chinensis*	Changsha Yanoon BioTech Co., Ltd.	08/07/2024
2024/155	DrisRaspTwentyOne	Raspberry	Not Applicable	*Rubus*	*idaeus L.*	DRISCOLL'S, INC.	17/07/2024
2024/133	Snow Eden	Peach	Not Applicable	*Prunus*	*persica*	Zaiger's Inc. Genetics	15/07/2024
2024/061	Sunny Heart	Grapevine	Not Applicable	*Vitis*	*labrusca X vinifera*	National Agriculture And Food Research Organization	20/05/2024
2024/088	EXFRAME	Lettuce	Not Applicable	*Lactuca*	*sativa*	Rijk Zwaan Zaadteelt en Zaadhandel B.V.	20/05/2024
2024/018	ALICITA	Lettuce	Not Applicable	*Lactuca*	*sativa*	Syngenta Crop Protection AG	05/06/2024
2024/054	Caretaker II	Perennial Ryegrass	Not Applicable	*Lolium*	*perenne*	Valley Seeds Proprietary Limited	28/05/2024
2024/103	Avoca	Bread wheat	Not Applicable	*Triticum*	*aestivum*	Australian Grain Technologies Pty Ltd	19/06/2024
2024/090	AVEMUS	Lettuce	Not Applicable	*Lactuca*	*sativa*	Rijk Zwaan Zaadteelt en Zaadhandel B.V.	07/05/2024
2024/002	ArcticZee	Nectarine tree	Not Applicable	*Prunus*	*persica var. nucipersica*	Zaiger's Inc. Genetics	14/06/2024

Rejections

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

Variety Descriptions

Application no	Botanical Name	Variety Name
2003/223	*Malus domestica*	'Silken'
2009/192	*Rosa hybrid*	'Meiclusif'
2009/282	*Malus domestica*	'Lolly'
2012/181	*Persea americana*	'PP14'
2012/183	*Persea americana*	'PP4'
2014/322	*Hydrangea macrophylla*	'Anda'
2016/032	*Citrus clementina*	'Cultifort'
2016/243	*Cercis canadensis*	'Ruby Falls'
2016/318	*Maireana sedifolia*	'Silver Ghost'
2016/326	*Lavandula xallardii*	'Meerlo'
2017/012	*Syzygium austral*	'SAN01'
2017/112	*Malus domestica*	'WA 38'
2017/234	*Viburnum odoratissimum*	'VOQ1'
2017/299	*Rhaphiolepis indica*	'PC2'
2017/305	*Lactuca sativa*	'ELEMENTAL'
2018/017	*Prunus avium*	'Nimba'
2018/352	*Prunus avium*	'CAM-013'
2018/353	*Solanum lycopersicum*	'PR-7'
2019/066	*Prunus avium*	'IFG Cher-five'
2019/091	*Rhaphiolepis indica*	'Indibig'
2019/092	*Rhaphiolepis indica*	'Indicomp'
2019/107	*Ficus carica*	'S-49'
2019/110	*Podocarpus macrophyllus*	'Miu'
2019/112	*Sempervivum hybrid*	'GoldNugget'
2019/139	*Vicia faba*	'PBA Amberley'
2019/169	*Mandevilla hybrid*	'Sunpapri'
2019/235	*Rubus subg. Rubus*	'Plablack 15157'
2019/236	*Vaccinium corymbosum*	'Plablue 1542'

2019/237	*Vaccinium corymbosum*	'Plablue 1545'
2019/238	*Vaccinium corymbosum*	'Plablue 1502'
2019/239	*Rubus idaeus*	'Plapink 1004'
2019/240	*Rubus idaeus*	'Plapink 0740'
2019/241	*Vaccinium corymbosum*	'Plablue 1525'
2019/242	*Vaccinium corymbosum*	'Plablue 1549'
2019/243	*Vaccinium corymbosum*	'Plablue 15122'
2019/280	*Solanum tuberosum*	'LARISSA'
2020/003	*Fragaria x ananassa*	'SweetEve 2'
2020/126	*Prunus avium*	'IFG Cher-eight'
2020/131	*Rosa hybrid*	'Meibenbino'
2020/209	*Diplotaxis tenuifolia*	'VITESSA'
2020/240	*Solanum tuberosum*	'DANINA'
2020/241	*Solanum tuberosum*	'FLORIDANA'
2020/242	*Solanum tuberosum*	'KARELIA'
2020/251	*Triticum aestivum*	'Valiant'
2021/014	*Vitis hybrid*	'IFG Twenty-two'
2021/015	*Vitis vinifera*	'IFG Twenty-five'
2021/016	*Vitis vinifera*	'IFG Twenty-six'
2021/017	*Vitis vinifera*	'IFG Thirty-three'
2021/018	*Vitis hybrid*	'IFG Thirty-seven'
2021/023	*Prunus salicina*	'BigSun'
2021/035	*Lactuca sativa*	'HOLIDEI'
2021/113	*Brassica napus subsp. napus var. pabularia*	'KX2'
2021/131	*Lomandra confertifolia subsp rubiginosa*	'LM700'
2021/139	*Avena sativa*	'GRAZA 88'
2021/155	*Avena sativa*	'PG38'
2021/164	*Lactuca sativa*	'Red Crispita II'
2021/186	*Fragaria xananassa*	'Eves Delight 2'

2021/187	*Lactuca sativa*	'Prodigio'
2021/209	*Hebe hybrid*	'IB 605-8'
2021/258	*Prunus salicina*	'N7-92'
2021/291	*Malus domestica Borkh.*	'WURTWINNING'
2022/012	*Hordeum vulgare*	'Zena'
2022/019	*Triticum aestivum Jillaroo*	'Jillaroo'
2022/032	*Lactuca sativa 'Rubagio'*	'Rubagio'
2022/052	*Phaseolus vulgaris*	'WILLS'
2022/054	*Lactuca sativa*	'Fiorente'
2022/102	*Vitis hybrid*	'IFG Twenty-three'
2022/130	*Pyrus calleryana*	'Spright'
2022/138	*Hordeum vulgare*	'Combat'
2022/146	*Lactuca sativa*	'KROMIO'
2022/152	*Lactuca sativa*	'STUDIO'
2022/166	*Antirrhinum majus*	'IB 009-1'
2022/167	*Antirrhinum majus*	'IB 009-2'
2022/168	*Antirrhinum majus*	'IB 009-3'
2022/169	*Antirrhinum majus*	'IB 904-4'
2022/187	*Phaseolus vulgaris*	'SVGG1312'
2022/218	*Lactuca sativa*	'Grewger'
2022/227	*Stenotaphrum secundatum*	'CPV6'
2022/230	*Lactuca sativa*	'LICS20-0033'
2022/231	*Phlebodium aureum*	'RAADPHLE01'
2022/288	*Phaseolus vulgaris*	'BASS'
2022/296	*Prunus avium L.*	'Sto 3161'
2023/028	*Camellia sinensis*	'Kanaemaru'
2023/030	*Olea europaea*	'I-15'
2023/033	*Brassica oleracea L. convar. Botrytis (L) Alef. Var. botrytis*	'ICESTEM'
2023/059	*Spinacia oleracea*	'El Madison'

2023/104	*Triticum aestivum*	'Sundancer'
2023/171	*Triticum aestivum*	'Bondi'
2023/180	*Avena sativa*	'PAL23'
2023/181	*Avena sativa*	'Jackaroo'
2023/206	*Triticum aestivum*	'Rebel 65
2023/237	*Lactuca sativa*	'MULTIGREEN 161'
2023/238	*Cannabis sativa*	'HGT1'
2023/245	*Lactuca sativa*	'CINDITA'
2023/246	*Triticum aestivum*	'Wallaroo'
2023/247	*Lactuca sativa*	'ICE BLUES'
2023/249	*Lactuca sativa*	'ICEPOP'
2023/278	*Cannabis sativa*	'Mara-4'
2023/279	*Cannabis sativa*	'Mara-6'
2024/047	*Lactuca sativa*	'COCONINO'
2024/048	*Cucumis melo*	'MAYAN510'
2024/068	*Brassica oleracea L. convar. capitata (L.) Alef. var. alba DC.*	'KILAPRINCE'

Details of Application

Application Number	2003/223
Variety Name	'Silken'
Genus Species	*Malus domestica*
Common Name	Apple
Accepted Date	12-Nov-2003
Applicant	Her Majesty the Queen in Right of Canada as represented by the Minister of Agriculture and Agri-Food Canada
Agent	Australian Nurserymen's Fruit Improvement Company, Kalungar QLD
Qualified Person	Dr Gavin Porter

Details of Comparative Trial

Overseas Testing Authority	*Plant Breeders Rights Office, Ontario, CANADA*
Overseas Data Reference Number	*95-670*
Period	1996

Origin and Breeding

Controlled pollination: `8S-4-33' originated from a cross of lloneygold' x `Sunrise' made at the Agriculture and Agri-Food Canada Research Centre in Summerland, B.C. in 1983. The selection was evaluated at first fruiting at the Summerland Research Centre in 1986. The variety was multiplied, by budding, on Mailing 26 rootstock in 1987 and evaluated until 1995. It was propagated on Mailing 9 in 1993, and established in a randomly planted variety test block. The selection criteria were fruit characteristics such as quality, colour, size, taste, form, maturity date, firmness and storage life, and tree characteristics such as growth habit, precocity, productivity and disease resistance. Breeder

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	end use	scion cultivar-dessert
Fruit	over colour of skin	pink

Fruit	amount of over colour of skin	low
Tree	predominance of on spurs and shoots bearing (major fruit load)	

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Golden Delicious'	
'Starks Golden Delicious'	
'Honeygold'	
'Sunrise'	

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

Organ/Plant Part: Context	'Silken'	'Golden Delicious'	'Honeygold'	'Starks Golden Delicious'	'Sunrise'
☐ Tree: vigour	medium to strong	medium to strong	medium to strong	medium	medium to strong
☐ *Tree: type	ramified	ramified	ramified	ramified	ramified
☐ *Tree: habit (varieties with ramified tree type only)	spreading	spreading	spreading	spreading	spreading
☐ Tree: type of bearing	on spurs and long shoots	on spurs and long shoots	on spurs and long shoots	on spurs and long shoots	on spurs and long shoots
☐ One-year-old shoot: thickness	medium	medium to thick	thin to medium	thin to medium	medium
☒ *One-year-old shoot: length of internode	medium	short to medium	long	short to medium	long
☒ One-year-old shoot: pubescence	medium to strong	medium	weak	weak	weak to medium
☒ *One-year-old shoot: number of lenticels	medium	many	many	many	medium
☐ *Leaf blade: length	medium	medium to long	medium	medium	medium to long

☐ *Leaf blade: width	medium	narrow to medium	medium	narrow to medium	medium
☐ *Leaf blade: ratio length/width	medium	medium to large	medium	medium	medium to large
☒ Leaf blade: incisions of margin	serrate type 2	crenate	crenate	serrate type 2	crenate
☐ Leaf blade: pubescence on lower side	absent or weak	medium	absent or weak	absent or weak	absent or weak
☒ *Petiole: length	short to medium	medium to long	medium	medium	long
☒ *Flower: predominant colour at balloon stage	light pink	light pink		dark pink	
☐ *Flower: diameter with petals pressed into horizontal position	medium to large	medium to large		medium	
☒ *Flower: arrangement of petals	free	intermediate		free	
☒ *Fruit: size	small to medium	medium to large	medium	medium	small to medium
☒ *Fruit: general shape	ovoid	conic	globose	conic	globose
☐ Fruit: ribbing	moderate	moderate	moderate	moderate	absent or weak
☐ Fruit: crowning at calyx end	moderate	moderate	moderate	moderate	moderate
☒ *Fruit: size of eye	small	medium to large	small to medium	medium	small to medium
☒ *Fruit: bloom of skin	absent or weak	moderate	moderate	moderate	absent or weak
☒ Fruit: greasiness of skin	absent or weak	absent or weak	moderate	absent or weak	moderate
☒ *Fruit: ground colour	whitish yellow	yellow green	yellow green	yellow green	yellow
☐ *Fruit: relative area of over colour	small	small	small	small	large
☐ *Fruit: hue of over colour with bloom removed	pink red	pink red	pink red	pink red	red

☒ *Fruit: pattern of over colour	weakly defined flush with strongly defined stripes	only solid flush	only solid flush	only solid flush	only stripes (no flush)
☒ *Fruit: area of russet around stalk attachment	large	large	large	absent or small	absent or small
☒ Fruit: area of russet on cheeks	absent or small	absent or small	absent or small	medium	absent or small
☒ *Fruit: area of russet around eye basin	large	absent or small	absent or small	absent or small	absent or small
☐ Fruit: number of lenticels	few	few	few	few	few
☐ Fruit: size of lenticels	small	small to medium	medium to large	small	small
☐ *Fruit: length of stalk	short to medium	medium to long	short	medium	medium
☐ *Fruit: thickness of stalk	medium	medium	medium	thin to medium	medium
☒ *Fruit: depth of stalk cavity	medium	medium	medium	deep	shallow to medium
☐ *Fruit: width of stalk cavity	medium	medium	medium	medium to broad	medium
☒ *Fruit: depth of eye basin	deep	medium to deep	medium	medium to deep	shallow to medium
☐ *Fruit: width of eye basin	medium	medium	medium	medium	medium
☐ *Fruit: firmness of flesh	medium to firm	medium to firm	medium to firm	medium	soft to medium
☒ *Fruit: colour of flesh	white	greenish	greenish	greenish	greenish
☒ *Time of: beginning of flowering	early to medium	medium		early to medium	early
☒ Time for: harvest	early	medium to late	medium to late	late	very early
☒ Time of: eating maturity	early	medium to late	medium to late	late	very early

Characteristics Additional to the Descriptor/TG

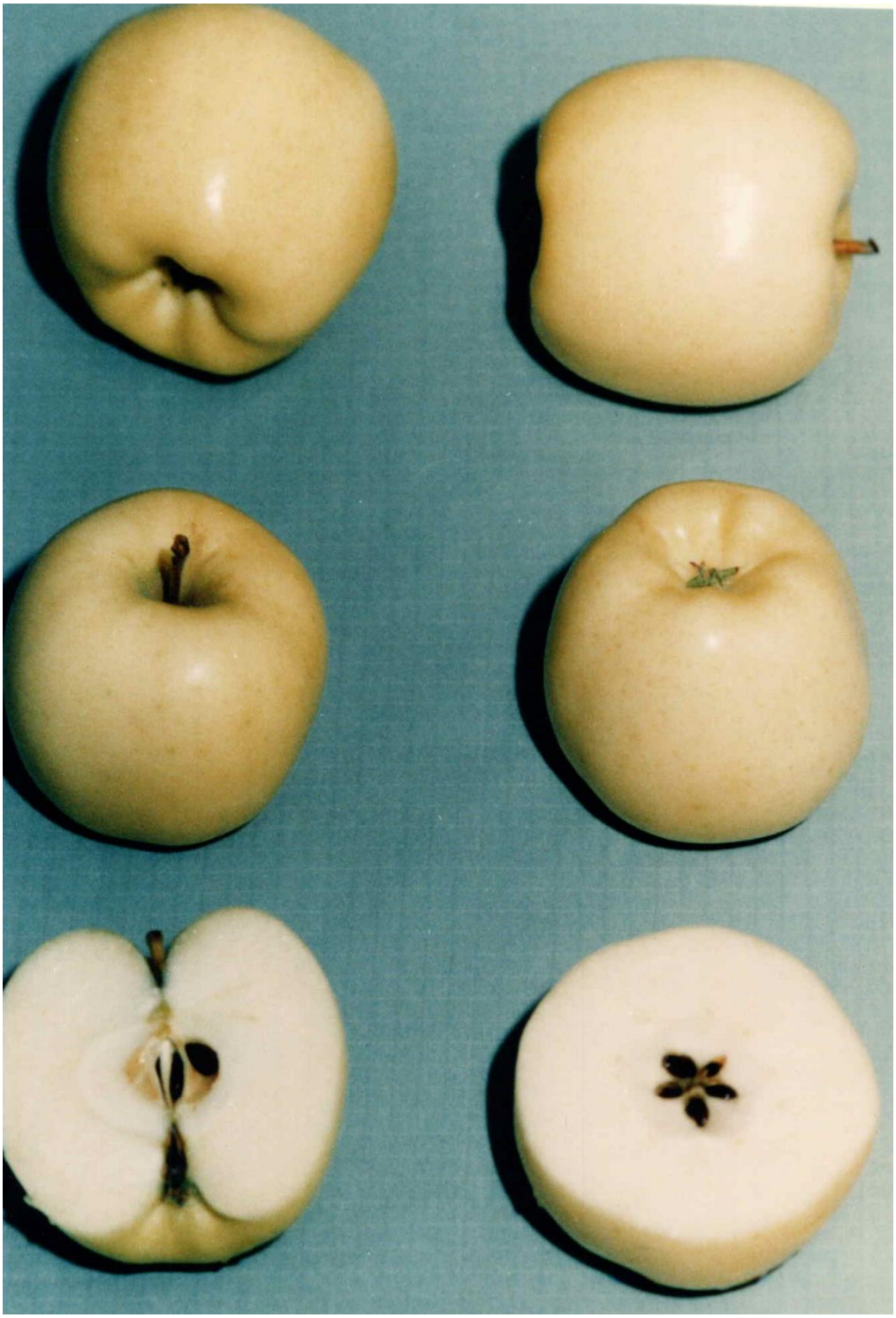
Organ/Plant Part: Context	'Silken'	'Golden Delicious'	'Honeygold'	'Starks Golden Delicious'	'Sunrise'
☒ Fruit: cross section: distinctness of core line	weak	medium	weak	medium	weak to medium
☐ Fruit: browning of flesh (1 hour after cutting)	weak	weak	weak	very weak	very weak
☒ Fruit: texture of flesh (when ripe)	intermediate	coarse to intermediate	intermediate	coarse to intermediate	intermediate
☐ Fruit: grittiness	present	present	present	present	present
☒ Fruit: juiciness	juicy	medium to juicy	medium	medium to juicy	juicy

Prior Applications and Sales:

Country	Year	Status	Name Applied
Canada	**1995**	**Granted**	'Silken'
USA	**1997**	**Granted**	'Silken'

First sold in Canada on 15th Aug 1997

Description: Dr Gavin Porter, Kalungar QLD



Apple (Malus domestica*)* – ‘Silken’

Details of Application

Application Number	2009/192
Variety Name	'Meiclusif'
Genus Species	*Rosa* hybrid
Common Name	Rose
Synonym	Nil
Accepted Date	27 Oct 2009
Applicant	Meilland International, S.A. France.
Agent	Kim Syrus, Myponga SA.
Qualified Person	Kim Syrus

Details of Comparative Trial

Location	**Myponga SA 5202**
Descriptor	**Rose (*Rosa*)TG/11/8**
Period	2021-24
Conditions	Both 'Meiclusif' and Comparator 'Meisionver', planted in open beds
Trial Design	Planted in a block, single location
Measurements	Measurement taken from mature plants
RHS Chart - edition	2007

Origin and Breeding

Controlled pollination: The new variety 'Meiclusif' was created by artificial pollination wherein two parents were crossed which previously have been studied in the hope that they would contribute the desired characteristics. The female parent was the 'Aachener Dom' variety. The male parent was the product of the cross of the 'Louis de Funès' variety and the 'Graham Thomas' variety. Breeder: Alain Meilland, 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	colour group	pink

Flower	fragrance	strong

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Meisionver'	

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
'Gift of Grace'	**fragrance**	**strong**	**medium**	
'Duet'	**fragrance**	**strong**	**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	'Meiclusif'	'Meisionver'
☐ *Plant: growth type	bed	bed
☐ *Plant: growth habit (excluding varieties with growth type climber)	semi upright	upright
☐ Plant: height	tall to very tall	tall to very tall
☐ Young shoot: anthocyanin colouration	present	present
☐ Young shoot: intensity of anthocyanin colouration	weak to medium	weak
☐ Stem: number of prickles	medium	absent or very few
☐ Prickles: predominant colour	purplish	reddish
☐ Leaf: size	medium to large	large to very large
☒ Leaf: intensity of green colour	medium	light
☐ Leaf: anthocyanin colouration	present	present
☐ *Leaf: glossiness of upper side	weak	weak to medium
☐ *Leaflet: undulation of margin	weak	absent or very weak

☒ *Terminal leaflet: shape of blade	circular	medium elliptic
☐ Terminal leaflet: shape of base of blade	rounded	rounded
☐ Terminal leaflet: shape of apex of blade	acute	acute
☐ Flowering shoot: flowering laterals	present	present
☐ Flowering shoot: number of flowering laterals	few	very few to few
☐ Flowering shoot: number of flowers per lateral (varieties with flowering laterals only)	very few to few	very few to few
☐ Flower bud: shape in longitudinal section	broad ovate	broad ovate
☐ *Flower: type	double	double
☒ *Flower: number of petals	many to very many	medium
☐ *Flower: colour group	pink	pink
☐ Flower: colour of the centre	pink	pink
☐ Flower: density of petals	medium	medium
☐ *Flower: diameter	large	large
☐ *Flower: shape	round	round
☐ Flower: profile of upper part	flat	flat
☐ *Flower: profile of lower part	flattened convex	flattened convex
☐ Flower: fragrance	strong	strong
☒ *Sepal: extensions	weak	medium to strong
☐ Petals: reflexing of petals one-by-one	present	present
☐ *Petal: shape	rounded	rounded
☐ Petal: incisions	medium	medium
☒ Petal: reflexing of margin	medium	weak
☒ Petal: undulation	strong	weak
☐ *Petal: size	medium to large	medium to large

☐ *Petal: length	medium	medium to long
☐ *Petal: width	medium to broad	medium to broad
☐ *Petal: number of colours on inner side	one	one
☐ *Petal: intensity of colour	lighter towards the top	even
☒ *Petal: main colour on the inner side (RHS colour Chart)	68B	62A
☐ *Petal: basal spot on the inner side	present	present
☒ *Petal: size of basal spot on inner side	small	medium
☐ *Petal: colour of basal spot on inner side	light yellow	light yellow
☒ *Petal: main colour on the outer side (RHS Colour Chart)	68A	61C
☐ Outer stamen: predominant colour of filament	pink	pink
☐ Seed vessel: size	medium	medium
☐ Hip: shape in longitudinal section	pitcher-shaped	funnel-shaped
☐ Hip: colour	orange	green

Prior Applications and Sales:

Nil

Description: Kim Syrus, Corporate Roses, MYPONGA, SA 5202.

Rose (*Rosa* hybrid) variety ‘Meiclusif’

Details of Application

Application Number	2009/282
Variety Name	'Lolly'
Genus Species	*Malus domestica*
Common Name	Apple
Accepted Date	26 Feb 2010
Applicant	Austin Orchards Ltd, Nelson, New Zealand
Agent	Flemings Nurseries & Associates, Hooddles Creek, Vic 3139
Qualified Person	Graham Fleming
Author of Description	Rebecca Fleming

Details of Comparative Trial

Location	Farrars Lane, Taggerty VIC
Descriptor	TG/14/9
Period	2018-2023
Conditions	Trees on the same Rootsock and the same age were planted in normal orchard rows at 3m x .5m. Trees were pruned, fertilised and watered under normal orchard practices.
Trial Design	5 trees of each randomly planted
Measurements	As per UPOV test guideline
RHS Chart - edition	

Origin and Breeding

Spontaneous mutation or sport: The present new variety 'Lolly' originated as a limb sport mutation of 'Aztec' Fuji (non-patented). It was discovered by the inventor in a cultivated orchard at Upper Moutere, Nelson, New Zealand. 'Lolly' was asexually propagated by grafting and has shown uniformity and stability over successive generations. 'Lolly' differs from its' parent 'Aztec' by its distinctive colouration and prominent stripes. Breeder: Austin Orchards Ltd, Nelson, New Zealand

Choice of Comparators

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Tree	type	ramified

Fruit	shape	globose
Fruit	ribbing	absent or weak
Fruit	crowning at calyx end	absent or weak
Fruit	ground colour	yellow green

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Fubrax'	Has less of a blush and more strongly defined stripes
'Fuji Supreme'	Matures approximately 2 to 3 weeks earlier than 'Lolly' and has a less intense lighter red blush
'Tigress'	Less defined stripes than 'Lolly' with a more solid blush
'Nagafu no 6'	Has less area of blush and less defined stripes than 'Lolly'.

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

Organ/Plant Part: Context	'Lolly'	'Fubrax'	'Fuji Supreme'	'Nagafu no 6'	'Tigress'
☐ Tree: vigour	medium to strong	medium	medium	medium	medium
☐ *Tree: type	ramified	ramified	ramified	ramified	ramified
☒ *Tree: habit (varieties with ramified tree type only)	spreading	spreading	upright	drooping	upright
☐ Tree: type of bearing	on spurs and long shoots	on spurs only	on spurs and long shoots	on spurs and long shoots	on spurs and long shoots
☐ One-year-old shoot: thickness	medium	thin to medium	thin to medium	thin to medium	thin
☐ *One-year-old shoot: length of internode	short to medium	medium	short	short to medium	short
☐ One-year-old shoot: colour on sunny side	light brown	light brown	medium brown	light brown	reddish brown
☐ One-year-old shoot: pubescence	medium to strong	weak to medium	medium	medium	medium to strong

☐ *One-year-old shoot: number of lenticels	medium	medium to many	many	medium to many	medium to many
☐ *Leaf blade: attitude in relation to shoot	upwards	upwards	upwards	upwards	upwards
☐ *Leaf blade: length	short to medium	medium	short to medium	short to medium	short to medium
☐ *Leaf blade: width	medium	medium	narrow	narrow to medium	narrow to medium
☐ *Leaf blade: ratio length/width	medium				
☐ Leaf blade: intensity of green colour	medium	medium to dark	light to medium	medium to dark	medium to dark
☐ Leaf blade: incisions of margin	serrate type 2	serrate type 1	serrate type 1	serrate type 1	serrate type 1
☐ Leaf blade: pubescence on lower side	absent or weak	absent or weak	absent or weak	medium	absent or weak
☐ *Petiole: length	short to medium	medium to long	medium	medium to long	medium
☐ Petiole: extent of anthocyanin colouration from base	small to medium	medium to large	very small to small	very small to small	small
☐ *Flower: predominant colour at balloon stage	white				
☐ *Flower: diameter with petals pressed into horizontal position	medium				
☐ *Flower: arrangement of petals	intermediate				
☐ Flower: position of stigmas relative to anthers	below				
☐ Young fruit: extent of anthocyanin overcolour	large				
☐ *Fruit: size	large	medium	very small to small	small	small
☐ *Fruit: height	medium	medium	short	very short to short	very short to short

☐ *Fruit: diameter	large	medium	small	very small to small	small
☐ *Fruit: ratio height/diameter	small to medium				
☐ *Fruit: general shape	globose	globose	globose	globose	globose
☐ Fruit: ribbing	absent or weak	absent or weak	absent or weak	absent or weak	absent or weak
☐ Fruit: crowning at calyx end	absent or weak	absent or weak	absent or weak	absent or weak	absent or weak
☐ *Fruit: size of eye	small to medium				
☐ Fruit: length of sepal	medium	short to medium	medium to long	short to medium	short
☐ *Fruit: bloom of skin	moderate	moderate	moderate	moderate	moderate
☐ Fruit: greasiness of skin	absent or weak	absent or weak	absent or weak	absent or weak	absent or weak
☐ *Fruit: ground colour	green	yellow green	yellow green	yellow green	yellow green
☒ *Fruit: relative area of over colour	medium to large	large to very large	medium to large	medium	large
☒ *Fruit: hue of over colour – with bloom removed	brown red	red	orange red	pink red	pink red
☒ *Fruit: intensity of over colour	medium to dark	medium	medium	medium	medium
☒ *Fruit: pattern of over colour	solid flush with weakly defined stripes	weakly defined flush with strongly defined stripes	weakly defined flush with strongly defined stripes	solid flush with weakly defined stripes	solid flush with weakly defined stripes
☒ *Fruit: width of stripes	medium	narrow	narrow	narrow	narrow
☐ *Fruit: area of russet around stalk attachment	absent or small	absent or small	absent or small	absent or small	absent or small
☒ Fruit: area of russet on cheeks	medium	absent or small	absent or small	absent or small	absent or small
☐ *Fruit: area of russet around eye basin	absent or small	absent or small	absent or small	absent or small	absent or small

☐ Fruit: number of lenticels	medium	medium	medium	medium	medium
☒ Fruit: size of lenticels	medium to large	small to medium	small to medium	small to medium	small to medium
☐ *Fruit: length of stalk	medium				
☐ *Fruit: thickness of stalk	medium to thick	medium to thick	thin to medium	medium	medium
☒ *Fruit: depth of stalk cavity	medium to deep	medium	shallow to medium	medium	medium
☒ *Fruit: width of stalk cavity	broad	medium	medium	medium	medium
☐ *Fruit: depth of eye basin	shallow to medium	shallow	shallow	shallow	shallow
☐ *Fruit: width of eye basin	medium to broad	medium to broad	medium to broad	medium to broad	medium to broad
☐ *Fruit: firmness of flesh	medium				
☐ *Fruit: colour of flesh	cream				
☐ *Fruit: aperture of locules	closed or slightly open				
☐ *Time of: beginning of flowering	early to medium				
☐ *Time of: eating maturity	late		medium to late		

Prior Applications and Sales:

Country	Year	Status	Name Applied
NZ	2004	granted	'Candy'
USA	2006	pending	'Candy'

First sold in New Zealand as 'Candy' on 1st July 2006

Description: **Rebecca Flemming**, Hoddles Creek, Vic 3139

Malus domestica variety ‘Lolly’ with comparators ‘Tigress’, ‘Fuji Supreme’, ‘Fubrax’, and ‘Nagafu no 6’

Details of Application

Application Number	2012/181
Variety Name	'PP14'
Genus Species	*Persea americana*
Common Name	Avocado
Accepted Date	25 Feb 2013
Applicant	The Regents of the University of California, Oakland, California, USA
Agent	Phillip Ormonde Fitzpatrick, Melbourne, Vic 3000
Qualified Person	Matthew Cottrell

Details of Comparative Trial

Overseas Testing Authority	*Community Plant Variety Office*
Overseas Data Reference Number	*CPVO file number: 2012/1977*
Location	Fundación Sálvador Sánchez Colín, CICTAMEX, S.C.
Descriptor	UPOV TG/97/4
Period	2013-2018
Conditions	As per CPVO test report
Trial Design	As per CPVO test report
Measurements	As per CPVO test report
RHS Chart - edition	

Origin and Breeding

Controlled pollination: 'PP14' was developed at Riverside, California, USA. The maternal parent is 'G6' (unpatented) avocado variety. The pollen parent is unknown. The fruit were collected from the avocado breeding blocks, the seed removed, and germinated. The plants were inoculated with the fungus *Phytophthora cinnamomi.* After showing tolerance to the disease, 'PP14' was selected as a single plant for further testing. After further testing and evaluation, PP14 distinguished itself from other varieties by having a high tolerance against *Phytophthora* root rot. Breeders: John A. Menge, Gray E. Martin, Bethold O. Bergh, Fred B. Guillemet, Brandon S. McKee, the Regents of the University of California, Oakland, 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
Young Shoot	colour	reddish
Ripe fruit	thickness of skin	very thin
Fruit	time of maturity for harvest	very early
Mature fruit	surface	Very smooth

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Merensky 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	'PP14'	'Merensky 2'
☒ *Tree: growth habit	upright	spreading
☐ *Young shoot: colour	reddish	
☐ Young shoot: colour of lenticels	purple	
☐ Young leaf: colour of pubescence of petiole	white	
☐ Shoot: length of internode	intermediate	
☒ Leaf: attitude relative to shoot	outwards	upwards
☐ Leaf blade: length	short to medium	
☒ Leaf blade: width	narrow	medium
☐ Leaf blade: ratio length/width	medium to large	
☒ Leaf blade: shape	lanceolate	elliptic
☒ Leaf blade: shape of apex	acuminate	acute
☐ Leaf blade: twisting along whole length	absent	

☐	Leaf blade: twisting of apex	absent	
☐	Leaf blade: undulation of margin	weak	
☐	Leaf blade: relief of venation on upper surface	level	
☐	Leaf blade: number of secondary veins	intermediate	
☒	Leaf blade: density of pubescence on lower surface	medium	absent or sparse
☒	*Leaf blade: anise aroma	strong	medium
☒	Petiole: length	short	medium
☐	Inflorescence: length of axis	very short	
☐	Inflorescence: colour of lenticels	green	
☐	Inflorescence: flowering type	type B	
☐	Flower: nectary	stalked	
☐	Flower: style	straight	
☐	Flower: pollen	present	
☐	Sepal: pubescence of inner surface	present	
☐	Sepal: density of pubescence of inner surface	medium	
☒	*Mature fruit: length	very short	short
☐	*Mature fruit: diameter	very small	
☐	*Mature fruit: ratio length/diameter	small	
☒	Mature fruit: shape of stalk end	truncate	pointed
☐	Mature fruit: presence of neck	absent	
☐	Mature fruit: presence of depression at stalk end	present	
☐	Mature fruit: diameter of stalk attachment	very small to small	
☐	Mature fruit: position of stalk	slightly oblique	
☐	Mature fruit: shape at stylar region	pointed	

☐	Mature fruit: conspicuousness of lenticels	inconspicuous or weak	
☐	Mature fruit: size of lenticels	very small	
☐	Mature fruit: colour of lenticels	yellow	
☐	Mature fruit: glossiness	medium	
☐	*Mature fruit: surface	very smooth	
☐	Mature fruit: persistence of perianth	strong	
☐	Pedicel: thickness compared to peduncle	thicker	
☒	*Pedicel: length	short	long
☐	*Pedicel: shape	cylindrical	
☐	*Pedicel: “nailhead”	absent	
☒	Pedicel: colour	green	yellow green
☐	Pedicel: surface	smooth	
☒	*Ripe fruit: colour	medium purple	dark green
☐	*Ripe fruit: thickness of skin	very thin	
☐	Ripe fruit: consistency of skin	membranous	
☐	Ripe fruit: adherence of skin to flesh	intermediate	
☐	Ripe fruit: main colour of flesh	yellow	
☐	Ripe fruit: colour of layer next to skin	medium green	
☐	Ripe fruit: width of layer next to skin	narrow	
☐	Ripe fruit: conspicuousness of fibers in flesh	conspicuous	
☒	Ripe fruit: consistency of flesh	watery	buttery
☐	Ripe fruit: anise aroma of flesh	absent	
☐	Ripe fruit: ratio fruit length/seed length	very small	
☒	Seed: shape in longitudinal section	ovate	triangular

☐ Seed: shape in cross section	circular
☐ Seed coat: adherence to flesh	strong
☐ Seed coat: adherence to cotyledon	strong
☐ Seed coat: surface	smooth or slightly wrinkled
☐ Cotyledon: surface	smooth
☐ Time of: beginning of flowering	early
☐ *Time of: fruit maturity for harvesting	very early
☐ Seed: multiple sprouting	absent

Prior Applications and Sales:

Country	Year	Status	Name Applied
USA	2011	pending	'Uzi'

No prior sale

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

Mature fruit: persistence of perianth (strong) y pedicel: color (green).

Ripe fruit: consistency of skin (membranous).

Persea americana (Avocado) variety 'PP14'

Details of Application

Application Number	2012/183
Variety Name	'PP4'
Genus Species	*Persea americana*
Common Name	Avocado
Accepted Date	25 Feb 2013
Applicant	The Regents of the University of California, Oakland, California, USA
Agent	Phillip Ormonde Fitzpatrick, Melbourne, Vic 3000
Qualified Person	Matthew Cottrell

Details of Comparative Trial

Overseas Testing Authority	CPVO
Overseas Data Reference Number	2012/1979
Location	Fundación Sálvador Sánchez Colín, CICTAMEX, S.C.
Descriptor	UPOV TG 97/4
Period	2013-2018
Conditions	As per CPVO test report
Trial Design	As per CPVO test report
Measurements	As per CPVO test report
RHS Chart - edition	

Origin and Breeding

Controlled pollination: 'PP4' was developed at Riverside, California, USA. The maternal parent is 'Thomas' avocado variety. The pollen parent is unknown. The fruit were collected from the avocado breeding blocks, the seed removed, and germinated. The plants were inoculated with the fungus *Phytophthora cinnamomi.* After showing tolerance to the disease, 'PP4' was selected as a single plant for further testing. After further testing and evaluation, PP4 distinguished itself from other varieties, including the maternal parent 'Thomas,' by having a high tolerance against *Phytophthora* root rot. Breeders: John A. Menge, Gray E. Martin, Bethold O. Bergh, Fred B. Guillemet, Brandon S. McKee, the Regents of the University of California, Oakland, 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
Leaf blade	anise aroma	medium
Ripe fruit	thickness of skin	very thin
Fruit	time of maturity for harvesting	very early

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Merensky 2'	

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
'Duke 7'	Leaf blade	widthmedium	very narrow	

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

Organ/Plant Part: Context	'PP4'	'Merensky 2'
☒ *Tree: growth habit	upright	spreading
☐ *Young shoot: colour	reddish	
☐ Young shoot: colour of lenticels	purple	
☐ Young leaf: colour of pubescence of petiole	white	
☐ Shoot: length of internode	intermediate	
☐ Leaf: attitude relative to shoot	outwards	
☐ Leaf blade: length	medium	
☐ Leaf blade: width	medium	
☐ Leaf blade: ratio length/width	medium to large	
☐ Leaf blade: shape	lanceolate	
☒ Leaf blade: shape of apex	acuminate	acute

☐	Leaf blade: twisting along whole length	absent	
☐	Leaf blade: twisting of apex	absent	
☐	Leaf blade: undulation of margin	weak	
☒	Leaf blade: relief of venation on upper surface	sunken	level
☐	Leaf blade: number of secondary veins	intermediate	
☒	Leaf blade: density of pubescence on lower surface	dense	absent or sparse
☐	*Leaf blade: anise aroma	medium	
☐	Petiole: length	medium	
☐	Inflorescence: length of axis	very short	
☐	Inflorescence: colour of lenticels	green	
☒	Inflorescence: flowering type	type A	type B
☐	Flower: nectary	stalked	
☐	Flower: style	straight	
☐	Flower: pollen	present	
☐	Sepal: pubescence of inner surface	present	
☐	Sepal: density of pubescence of inner surface	medium	
☐	*Mature fruit: length	very short	
☐	*Mature fruit: diameter	very small	
☐	*Mature fruit: ratio length/diameter	small to medium	
☒	Mature fruit: shape of stalk end	narrowly rounded	pointed
☐	Mature fruit: presence of neck	absent	
☐	Mature fruit: presence of depression at stalk end	present	
☐	Mature fruit: diameter of stalk attachment	small	
☐	Mature fruit: position of stalk	slightly oblique	

☐	Mature fruit: shape at stylar region	flattened	
☐	Mature fruit: conspicuousness of lenticels	inconspicuous or weak	
☐	Mature fruit: size of lenticels	very small to small	
☐	Mature fruit: colour of lenticels	yellow	
☐	Mature fruit: glossiness	strong	
☐	*Mature fruit: surface	smooth	
☐	Mature fruit: persistence of perianth	medium	
☐	Pedicel: thickness compared to peduncle	thicker	
☐	*Pedicel: length	very short to short	
☐	*Pedicel: shape	cylindrical	
☐	*Pedicel: “nailhead”	absent	
☐	Pedicel: colour	yellow green	
☐	Pedicel: surface	smooth	
☒	*Ripe fruit: colour	medium purple	dark green
☐	*Ripe fruit: thickness of skin	very thin	
☐	Ripe fruit: consistency of skin	membranous	
☒	Ripe fruit: adherence of skin to flesh	weak	strong
☐	Ripe fruit: main colour of flesh	yellow	
☒	Ripe fruit: colour of layer next to skin	medium green	yellow green
☐	Ripe fruit: width of layer next to skin	very narrow to narrow	
☐	Ripe fruit: conspicuousness of fibers in flesh	conspicuous	
☐	Ripe fruit: consistency of flesh	buttery	
☐	Ripe fruit: anise aroma of flesh	absent	
☐	Ripe fruit: ratio fruit length/seed length	very small to small	

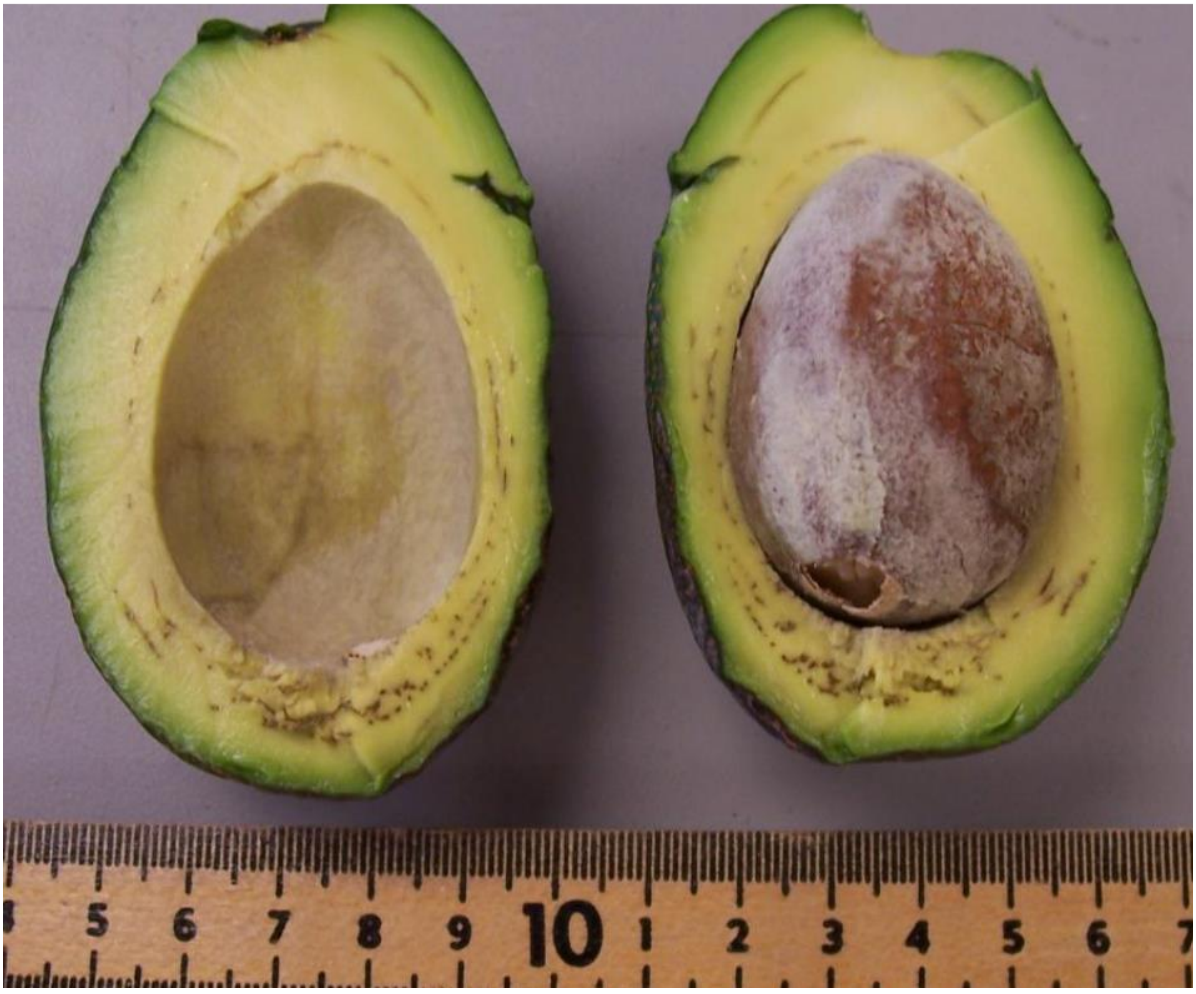
☒ Seed: shape in longitudinal section	ovate	triangular
☐ Seed: shape in cross section	circular	
☐ Seed coat: adherence to flesh	strong	
☐ Seed coat: adherence to cotyledon	medium	
☐ Seed coat: surface	smooth or slightly wrinkled	
☐ Cotyledon: surface	smooth	
☐ Time of: beginning of flowering	early	
☐ *Time of: fruit maturity for harvesting	very early	
☐ Seed: multiple sprouting	absent	

Prior Applications and Sales:

Country	Year	Status	Name Applied
USA	2011	granted	'Zentmyer'

No prior sale.

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



Persea americana variety 'PP4'

Details of Application

Application Number	2014/322
Variety Name	'Anda'
Genus Species	*Hydrangea macrophylla*
Common Name	Hydrangea
Accepted Date	15 May 2017
Applicant	Horteve Breeding B.V., De Kwakel, The Netherlands
Agent	Crop & Nursery Services. Central coast, NSW
Qualified Person	Ian Paananen

Details of Comparative Trial

Overseas Testing Authority	GEVES, France
Overseas Data Reference Number	DEE 4048617
Location	GEVES, Brion (49)
Descriptor	CPVO-TP/133/2
Period	2011 - 2013
Conditions	As per DUS test report
Trial Design	As per DUS test report
Measurements	As per DUS test report
RHS Chart - edition	2007

Origin and Breeding

Controlled pollination: seed parent 'proprietary breeding selection 03-027-003' x pollen parent 'proprietary breeding selection 03-015-006' in 2006. The seed parent is characterised by its few branches of medium strength. The pollen parent is characterised by a moderate inflorescence hardiness. Selection took place in De Hoef, The Netherlands in 2008. Selection criteria: strong, sturdy stems, good pink flower colour that holds colour when maturing. Propagation: vegetative cuttings are found to be uniform and stable. Breeder: Cornelis Pieter Eveleens, De Kwakel, The Netherlands.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	type	non-climbing
Plant	growth habit	upright
Leaf blade	length	medium
Inflorescence	shape	globular
Sterile flower	diameter of calyx	small to medium
Sterile flower	type	single
Sterile flower	secondary colour of sepal	absent

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'NR6'	

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

Organ/Plant Part: Context	'Anda'	'NR6'
☐ *Plant: type	non-climbing	
☐ *Plant: growth habit (varieties with plant type: nonclimbing only)	upright	
☐ *Plant: natural height including inflorescence (varieties with plant type: nonclimbing only)	medium	
☐ *Stem: fasciation	absent	
☐ *Stem: colour	green	
☐ Stem: lenticels (in autumn)	absent or few	
☐ *Stem: colour of lenticels	red	
☐ *Leaf blade: length	medium	
☐ Leaf blade: width	medium to broad	

☐	*Leaf blade: lobing	absent
☐	Leaf blade: shape (varieties with leaf blade lobing: absent only)	ovate
☐	*Leaf blade: length of tip	short
☐	Leaf blade: shape of base	obtuse
☐	Leaf blade: depth of incisions	shallow
☐	*Leaf blade: variegation	absent
☐	*Leaf blade: main colour	dark green
☐	Leaf blade: glossiness of upper side	absent or weak
☐	Leaf blade: blistering	medium
☐	*Inflorescence: shape	globular
☐	Inflorescence: height	short
☒	Inflorescence: diameter	small large
☐	*Inflorescence: conspicuousness of fertile flowers	inconspicuous or slightly conspicuous
☐	*Sterile flower: diameter of calyx	small to medium
☐	*Sterile flower: type	single
☐	Sterile flower: degree of overlapping of sepals	strong
☐	*Sterile flower: incisions of margin of sepal	present on some sepals
☐	*Sterile flower: main colour of sepal (RHS Colour Chart)	68A
☐	*Sterile flower: secondary colour of sepal	absent
☐	*Time of: beginning of flowering	medium

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2011	granted	'Anda'

First sold in the NL as 'Anda' on 1st March 2012

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

Hydrangea macrophylla (Hydrangea) 'Anda'

Details of Application

Application Number	2016/032
Variety Name	'Cultifort'
Genus Species	*Citrus clementina*
Common Name	Mandarin
Accepted Date	27-May-2016
Applicant	Rafael Sendra Rocher, ALICANTE, Spain
Agent	Nu Leaf I.P. Pty Ltd, Gol Gol, NSW 2738
Qualified Person	Matthew Cottrell

Details of Comparative Trial

Overseas Testing Authority	OFICINA ESPAÑOLA DE VARIEDADES VEGETALES (OEVV), Spain
Overseas Data Reference Number	2004/1447
Location	IVIA, 43113 Moncada, Valencia, Spain
Descriptor	201/1
Period	09/2005-10/2008
Conditions	As per test report
Trial Design	As per test report
Measurements	In accordance with UPOV TG
RHS Chart - edition	N/A

Origin and Breeding

Sport or chance mutation: the 'Cultifort' clementine was discovered in 1998 in the province of Alicante (Spain), as a chance mutation of 'Oronules'. Material of the mutation was soon transferred to the IVIA Institute in Valencia (Spain) to be cleaned up from viruses through the shoot tip grafting technique. Further trials confirmed the traits of the new variety. Breeder: Rafael Sendra Rocher, ALICANTE, 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	Growth habit.	spreading

Fruit	Length	medium
Fruit	Presence of neck	absent
Fruit	main colour of flesh	medium orange
Time of	maturity of fruit for consumption.	early

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Clemenrubi'	
'Orogros'	
'Oronules'	

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

Organ/Plant Part: Context	'Cultifort'	'Clemenrubi'	'Orogros'	'Oronules'
☐ Ploidy:	diploid			
☐ *Tree: growth habit	spreading			
☐ Tree: density of spines	absent or sparse			
☒ Leaf blade: length	medium	short		short
☐ Leaf blade: width	narrow			
☐ Leaf blade: ratio length/width	large			
☒ Leaf blade: shape in cross section	straight or weakly concave		intermediate	
☐ Leaf blade: incisions of margin	absent			
☐ Leaf blade: shape of apex	acute			
☐ Petiole: length	short			
☐ Petiole: presence of wings	absent			
☐ Flower: length of petal	short			
☐ Flower: width of petal	medium			
☐ Flower: ratio length/width of petal	medium			

☐ Flower: length of stamens	medium			
☐ Anther: colour	medium yellow			
☐ Anther: viable pollen	present			
☐ Style: length	medium			
☐ *Fruit: length	medium			
☒ *Fruit: diameter	small	medium	medium	medium
☐ *Fruit: ratio length/diameter	medium			
☐ *Fruit: position of broadest part	at middle			
☐ Fruit: shape in transverse section	somewhat angular			
☐ *Fruit: general shape of proximal part	flattened			
☐ *Fruit: presence of neck	absent			
☐ *Fruit: presence of depression at stalk end (varieties without fruit neck only)	present			
☐ Fruit: number of radial grooves at stalk end	intermediate			
☐ Fruit: presence of collar	absent			
☐ *Fruit: general shape of distal part	flattened			
☐ *Fruit: presence of depression at distal end	present			
☐ *Fruit: presence of areola	incomplete			
☐ Fruit: type of areola	smooth			
☒ Fruit: diameter of areola	medium	large		
☒ Fruit: diameter of stylar scar	small		medium	
☐ Fruit: persistence of style	none			

☐ Fruit: presence of navel opening	absent			
☐ Fruit: presence of radial grooves at distal end	absent			
☒ *Fruit surface: predominant colours	dark orange			orange red
☐ *Fruit surface: glossiness	medium			
☐ Fruit surface: roughness	medium			
☐ Fruit surface: size of oil glands	all more or less the same size			
☒ Fruit surface: presence of pitting and pebbling in oil glands	pitting absent, pebbling present	pitting and pebbling absent	pitting and pebbling absent	pitting and pebbling absent
☐ *Fruit rind: thickness	medium			
☐ *Fruit rind: adherence to flesh	weak			
☐ Fruit rind: strength	medium			
☒ Fruit rind: oiliness	oily	medium	medium	
☐ Fruit: colour of albedo	white			
☐ Fruit: density of albedo	loose			
☒ *Fruit: amount of albedo adhering to flesh	small		absent or very small	
☐ Fruit: presence of albedo strands	present			
☐ Fruit: amount of albedo strands	medium			
☐ *Fruit: main colour of flesh	medium orange			
☐ Fruit: filling of core	medium			
☐ Fruit: diameter of core	medium			
☐ Fruit: presence of rudimentary segments	absent or weak			

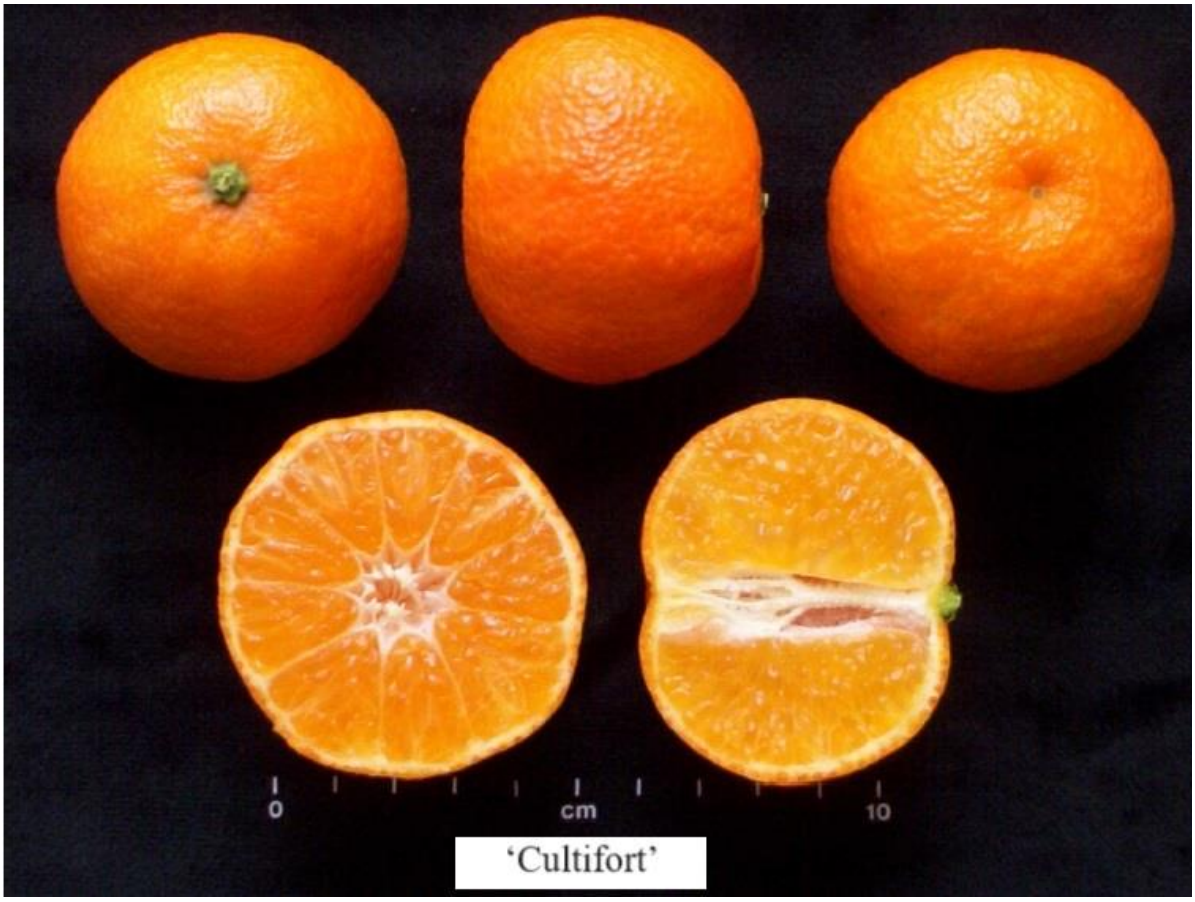
☒ Fruit: number of well developed segments	medium		many
☐ Fruit: coherence of adjacent segment walls	weak		
☐ Fruit: strength of segment walls	strong		
☒ Fruit: length of juice vesicles	long		medium
☐ Fruit: thickness of juice vesicles	thin		
☐ *Fruit: presence of navel (viewed internally)	absent or very rare		
☐ Fruit: juiciness	high		
☒ *Fruit juice: total soluble solids	medium	high	
☐ Fruit juice: acidity	medium		
☐ Fruit: strength of fibre	medium		
☐ Fruit: number of seeds (controlled manual self-pollination)	absent or very few		
☐ *Time of: maturity of fruit for consumption	early		
☐ *Fruit: parthenocarpy	present		
☐ Plant: self-incompatibility	present		

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2004	granted	'Cultifort'
Spain	2001	granted	'Cultifort'
South Africa	2013	pending	'Cultifort'
Peru	2014	pending	'Cultifort'
Turkey	2014	pending	'Cultifort'

First sold in Spain as 'Cultifort' on 22nd March 2010

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



Citrus clementina (Mandarin) variety 'Cultifort'

Details of Application

Application Number	2016/243
Variety Name	'Ruby Falls'
Genus Species	*Cercis canadensis*
Common Name	Eastern redbud
Accepted Date	17-Oct-2016
Applicant	North Carolina State University, Raleigh, NC, USA
Agent	Fleming's Nurseries, Monbulk, VIC
Qualified Person	Leanne Gillies

Details of Comparative Trial

Location	Monbulk, 3793, Victoria
Descriptor	PBR Acacia
Period	2016-2023
Conditions	Trees were budded onto Cercis canadensis seedling rootstock in the conventional bare root production nursery. They were then lifted, pruned and transferred to above ground bags containing industry standard potting media. They were fertilised and irrigated following the standard nursery programs.
Trial Design	Trees of the candidate and the comparator were grown side by side.
Measurements	As per UPOV guidelines.
RHS Chart - edition	1986 Edition

Origin and Breeding

Controlled pollination: Parents *Cercis canadensis* 'Forest Pansy' and *Cercis canadensis* 'Covey' were crossed. Seed was collected and germinated. 19 selections were isolated and planted in a field. Seed was collected from these trees and germinated. 42 of these seedlings were selected for continued observation. Of these a single plant (the candidate) was identified as having ideal characteristics. Breeders: Dennis James Werner & Layne Karlton Snelling, North Carolina State University, Raleigh, NC, 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

Tree	habit	weeping
Leaves	colour	purple

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Forest Pansy'	
'Covey'	

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
'Forest Pansy'	Tree	Habit	weeping	upright

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

Organ/Plant Part: Context	'Ruby Falls'	'Covey'
☐ Plant: growth habit	mounding	mounding
☐ Plant: height	short	short
☐ Plant: width	narrow	narrow
☐ Plant: density	medium	medium
☐ Plant: curvature of branches	straight	straight to arching
☐ Plant: curvature of branches at distal end	downwards	downwards
☐ Stem: number	medium	medium
☐ Stem: length	medium to tall	tall
☐ Stem: colour	brownish	brownish
☒ Stem: anthocyanin colouration	strong to very strong	medium to strong
☐ Stem: internode length	medium	tall
☐ Stem: density of leaves or phyllodes	medium	medium
☐ Leaf: type	simple	simple

☐ Leaf: length	medium	medium to long
☐ Leaf: width	medium	medium to broad
☐ Leaf: length to width ratio	very small to small	very small to small
☐ Leaf: shape of apex	acuminate	acuminate
☒ Leaf: colour of new growth (RHS Colour Chart)	187A	176B
☒ Leaf: mature leaf colour (RHS Colour Chart)	200A	137A
☒ Leaf: anthocyanin colouration in tip	very strong	absent or very weak
☒ Leaf: anthocyanin in new growth	very strong	weak to medium

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Ruby Falls'	'Covey'
☐ Leaves: shape	cordate	cordate

Prior Applications and Sales:

Country	Year	Status	Name Applied
USA	2009	Granted	'Ruby Falls'
EU	2011	Granted	'Ruby Falls'

First sold in the USA, Sept 2010

Description: Leanne Gillies, Monbulk,VIC

Eastern Redbud (*Cercis canadensis*) – Candidate ‘Ruby falls’ showing differences in growth habit with Comparator ‘Covey’

Details of Application

Application Number	2016/318
Variety Name	'Silver Ghost'
Genus Species	*Maireana sedifolia*
Common Name	Pearl Bluebush
Accepted Date	12-Dec-2016
Applicant	Orange Valley Nursery, Kalamunda, WA 6076
Agent	Quito Pty Ltd trading as Benara Nurseries, Carabooda, WA
Qualified Person	Ian Paananen

Details of Comparative Trial

Location	Carabooda, WA
Descriptor	General descriptor
Period	2018 - 2019
Conditions	Trial conducted in open beds, planted into 140mm pots filled with soilless potting mix, nutrition maintained with slow release fertilisers, pest and disease treatments applied as required.
Trial Design	Twelve plants of each variety arranged in a completely randomised design.
Measurements	From five plants at random
RHS Chart - edition	2015

Origin and Breeding

Open pollination: seed parent *M. sedifolia* in 2010. The seed parent is characterised by a short to medium length of internode, silver white leaf colouring and medium plant size. Selection took place in Kalamunda, WA in 2010. Selection criteria: attractive , compact plant growth form. Propagation: vegetative cutting propagation was found to be uniform and stable. Breeder: Phil James, Kalamunda, 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
Young stem	degree of hairiness	very high
Leaf	attitude	horizontal
Leaf	length of blade	short
Leaf	number of colours	one

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
M. sedifolia	parent form

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 Ghost'	*M. sedifolia* (Parent form)
☐ Plant: type	shrub	shrub
☐ Plant: growth habit	erect	erect
☒ Plant: size	small	medium
☒ Plant: height	short	medium
☐ Stem: thorns, prickles, spines etc	absent	absent
☐ Stem: presence of anthocyanin in new growth	absent	absent
☐ Leaf: leaf type	simple	simple
☐ Leaf: size	medium	medium
☐ Leaf: attitude	horizontal	horizontal
☐ Leaf: arrangement	whorled	whorled
☐ Leaf: length of blade	short	short
☐ Leaf: width of blade	medium	medium
☐ Leaf: shape	obovate	obovate
☐ Leaf: shape of apex	obtuse	obtuse

☐ Leaf: shape of cross-section	rounded	rounded
☒ Leaf: curvature of longitudinal axis	incurved	recurved
☐ Leaf: green colour	very light	very light
☐ Leaf: presence of variegation	absent	absent
☐ Leaf: primary colour (RHS colour chart)	N155A	N155A
☐ Leaf colour: number of colours	one	one

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	**'Silver Ghost'**	***M. sedifolia* (Parent form)**
☐ Young stem: presence of hairs	present	present
☐ Young stem : degree of hairiness	very high	very high
☒ Leaf blade: thickness	thick	thin to medium

Prior Applications and Sales:

No prior sale or applications.

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

Maireana sedifolia (Pearl Bluebush) variety ‘Silver Ghost’ with comparator *M. sedifolia* (Parent form)

Details of Application

Application Number	2016/326
Variety Name	'Meerlo'
Genus Species	*Lavandula xallardii*
Common Name	Allards Lavender
Accepted Date	15-Dec-2016
Applicant	Louis Meerlo, Waiuku, NZ.
Agent	Australian Horticultural Services Pty Ltd, Wonga Park, VIC.
Qualified Person	Mark Lunghusen

Details of Comparative Trial

Location	Wonga Park, Vic
Descriptor	TG/194/1 *Lavandula* (Lavandula)
Period	Autumn to Winter 2019
Conditions	Plants were grown in a shadehouse with 70% shadecloth cover in commercially supplied pinebark and coir based potting media. Plants were fertilised with slow-release fertiliser and overhead watered as required.
Trial Design	10 plants in block design
Measurements	Taken from the middle third of stem.
RHS Chart - edition	Fifth Edition

Origin and Breeding

Spontaneous mutation: a variegated branch sport was observed on the parent plant, *Lavandula allardii.* Cuttings were taken from this plant and grown on to determine uniformity and stability. Breeder Louis Meerlo, Waiuku, New Zealand.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	growth habit	bushy

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Lavandula allardii'	

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

Organ/Plant Part: Context	'Meerlo'	*'Lavandula allardii'*
☐ *Plant: growth habit	bushy	bushy
☒ *Plant: size	small	large
☒ *Plant: density	very dense	open
☐ *Leaf: incisions of margin	strongly expressed	strongly expressed

Characteristics Additional to the Descriptor/TG

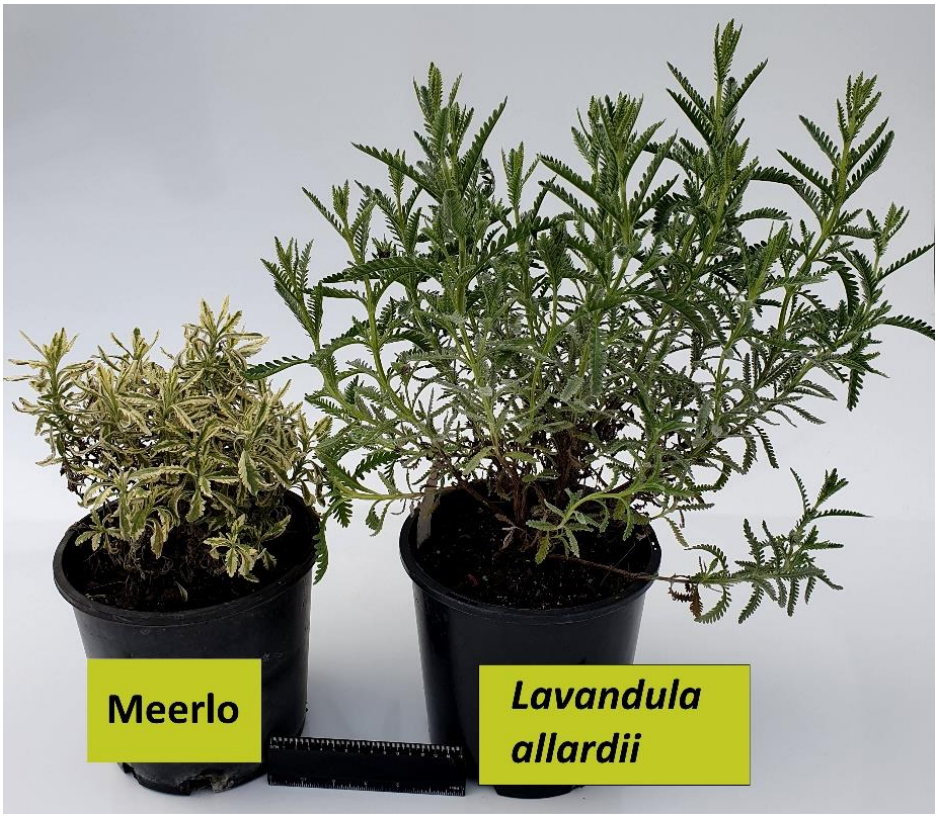
Organ/Plant Part: Context	'Meerlo'	*'Lavandula allardii'*
☒ Leaf: Length	medium	very long
☒ Leaf: Width	medium	broad
☒ Leaf: variegation	present	absent
☐ Leaf: main colour	137A	N137A
☒ Leaf: secondary colour	12D	nil
☒ Leaf: shape	oblanceolate	elliptic
☒ Leaf: tip	acute	rounded
☐ Leaf: margin	sinuate	sinuate
☒ Leaf: curvature along axis	medium to strong	weak
☒ Leaf base: incision of margin	absent	present
☒ Stem: Internode length	short	long
☒ Leaf: position of main colour	marginal	nil

Prior Applications and Sales:

Country	Year	Status	Name Applied
NZ	2012	Granted	'Meerlo'
USA	2013	Granted	'Meerlo'

First sold in July 2014 in NZ.

Description: Mark Lunghusen, Wonga Park, VIC 3115**.**



Allards Lavender (*Lavandula xallardii*) variety 'Meerlo'

Details of Application

Application Number	2017/012
Variety Name	'SAN01'
Genus Species	*Syzygium australe*
Common Name	Lilly Pilly
Accepted Date	05-Apr-2017
Applicant	Ozbreed Green Life Pty Ltd, Clarendon NSW
Qualified Person	John Oates

Details of Comparative Trial

Location	Clarendon NSW Australia
Descriptor	PBR Lill
Period	2022 - 2024
Conditions	Plants growing without cover in 30cm pots, regular overhead irrigation as required.
Trial Design	All pots arranged at random in block design.
Measurements	As per UPOV technical guideline
RHS Chart - edition	Sixth Edition (2015)

Origin and Breeding

Seedling Selection: In January 2011 seed was sown of a narrow growing *Syzygium australe*. 300 seedlings were potted and grown on for assessment. 50 were selected as being 'narrow erect' in growth habit and grown on further. In February 2013 the 30 considered to be the narrowest and most fastigiate were selected and sent to a nursery in northern NSW for growing on and further assessment. They were being assessed for the growth habit desired and resistance to Psyllid. The variety selected now referred to as SAN01 has narrow erect growth habit and resistance to Psyllids. It has been uniform and stable through the selection period and into production trials, 5 generations. Breeder, Todd Layt, Ozbreed Green Life Pty Ltd., Clarendon 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
Plant	habit	upright

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'AATS'	

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

Organ/Plant Part: Context	SAN01	'AATS'
☐ Plant: growth habit	upright	upright
☐ Plant: branch density	medium	medium
☐ Stem: branch angle	45degrees	45degrees
☐ Stem: internode length	medium	medium
☐ Leaf: blade length	medium to long	medium
☐ Leaf: blade width	medium	medium
☐ Leaf: blade length/width ratio	moderately elongated	medium
☐ Leaf: petiole length	short	short
☐ Leaf: shape of blade	elliptic	elliptic
☒ Leaf: shape of apex	apicuate	acute
☐ Leaf: shape of base	attenuate	attenuate
☐ Leaf: glossiness	medium	medium
☐ Leaf: shape of cross section	convex to flat	convex to flat
☐ Leaf: shape of longitudinal section	concave	flat to concave
☐ Leaf: stiffness	medium	medium
☐ Leaf: prominence of midrib on lower surface	prominent	prominent
☒ Mature leaf: primary colour of upper side (RHS colour chart)	146B	NN137A
☐ Leaf: variegation	absent	absent

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'SAN01'	'AATS'
☒ Leaf blade: margin	entire	serrate

Prior Applications and Sales:

Nil

Description: John Oates, Merimbula NSW

Lilly Pilly (*Syzigium australe*) – 'SAN01'

Details of Application

Application Number	2017/112
Variety Name	'WA 38'
Genus Species	*Malus domestica*
Common Name	Apple
Accepted Date	08-May-2017
Applicant	Washington State University (WSU), Pullman, WA 99164-1060, USA
Agent	Australian Nurserymens Fruit Improvement Company (ANFIC) Ltd, KALLANGUR, QLD 4503
Qualified Person	Dr Gavin Porter

Details of Comparative Trial

Location	INRA Beaucouze (49)
Descriptor	CPVO - TP/14/2
Period	2017-2020
Conditions	No information is provided
Trial Design	No information is provided
Measurements	No information is provided
RHS Chart - edition	N/A

Origin and Breeding

Controlled pollination: The new variety was derived from a controlled pollination in March 1997 between the apple variety 'Enterprise' and the apple variety 'Honeycrisp'. One seedling from this cross was germinated in January 1998 in the greenhouse at Wenatchee, WA and named 'WA 38'. In September 1999, 'WA 38' was chip budded onto a 'M9' rootstock and the resulting tree planted in the evaluation orchard at Douglas County, WA in March, 2001. Fruit from this originally budded tree were observed in 2003 and 2004 and due to the unique fruit quality traits, 'WA 38' was selected and second generation trees were made by chip budding onto 'M9' rootstock in the fall of 2004. Second generation trees were planted at three locations in Washington State near Chelan, Douglas County, WA; near East Wenatchee, Douglas County, WA and near Basin City, Franklin County, WA. A comparison of second generation trees against the originally budded tree, including trunk, branches, leaves, flowers and fruit; showed them to be essentially the same and stable over the years checked (2008 - 2011). Asexual reproduction at Wenatchee, WA by budding of the new cultivar 'WA 38' by the inventors shows that the unique combination of characteristics of asexually propagated trees is true to form and transmitted through succeeding propagations. Breeder: Dr Bruce H. Barritt, Washington State University (WSU), Pullman, WA 99164-1060, 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
Tree	type	ramified
Tree	habit	spreading
Fruit	general shape	conic
Fruit	relative area of overcolour	large to very large
Fruit	hue of over colour of skin - with bloom removed	purple red
Fruit	pattern of over colour of skin	solid flush with weakly defined stripes
Time of	beginning of flowering	medium to late
Time of	eating maturity	late

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'New York 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	'WA 38'	'New York 2'
☒ Tree: vigour	medium to strong	weak to medium
☐ *Tree: type	ramified	
☐ *Tree: habit (varieties with ramified tree type only)	spreading	
☐ Tree: type of bearing	on spurs and long shoots	
☐ One-year-old shoot: thickness	medium	
☐ *One-year-old shoot: length of internode	medium to long	
☐ One-year-old shoot: colour on sunny side	light brown	

☐	One-year-old shoot: pubescence	medium
☐	*One-year-old shoot: number of lenticels	few
☐	*Leaf blade: attitude in relation to shoot	outwards
☐	*Leaf blade: length	medium to long
☐	*Leaf blade: width	medium
☐	*Leaf blade: ratio length/width	medium
☐	Leaf blade: intensity of green colour	medium
☐	Leaf blade: incisions of margin	crenate
☐	Leaf blade: pubescence on lower side	strong
☐	*Petiole: length	medium
☐	Petiole: extent of anthocyanin colouration from base	small to medium
☐	*Flower: predominant colour at balloon stage	dark pink
☐	*Flower: diameter with petals pressed into horizontal position	medium
☐	*Flower: arrangement of petals	overlapping
☐	Flower: position of stigmas relative to anthers	above
☐	Young fruit: extent of anthocyanin overcolour	medium to large
☐	*Fruit: size	large to very large
☐	*Fruit: height	tall
☐	*Fruit: diameter	medium to large
☒	*Fruit: ratio height/diameter	large medium
☐	*Fruit: general shape	conic

☐ Fruit: ribbing	moderate	
☐ Fruit: crowning at calyx end	moderate	
☒ *Fruit: size of eye	small to medium	large
☐ Fruit: length of sepal	medium	
☐ *Fruit: bloom of skin	absent or weak	
☐ Fruit: greasiness of skin	moderate	
☐ *Fruit: ground colour	yellow	
☐ *Fruit: relative area of over colour	large to very large	
☐ *Fruit: hue of over colour – with bloom removed	purple red	
☒ *Fruit: intensity of over colour	medium to dark	dark to very dark
☐ *Fruit: pattern of over colour	solid flush with weakly defined stripes	
☐ *Fruit: width of stripes	medium	
☐ *Fruit: area of russet around stalk attachment	absent or small	
☐ Fruit: area of russet on cheeks	absent or small	
☐ *Fruit: area of russet around eye basin	absent or small	
☐ Fruit: number of lenticels	medium to many	
☐ Fruit: size of lenticels	medium	
☒ *Fruit: length of stalk	long	short
☐ *Fruit: thickness of stalk	medium	
☐ *Fruit: depth of stalk cavity	very deep	
☐ *Fruit: width of stalk cavity	broad	
☐ *Fruit: depth of eye basin	deep to very deep	
☐ *Fruit: width of eye basin	broad	

☐ *Fruit: firmness of flesh	medium to firm
☐ *Fruit: colour of flesh	yellowish
☐ *Fruit: aperture of locules	fully open
☐ *Time of: beginning of flowering	medium to late
☐ Time for: harvest	late
☐ *Time of: eating maturity	late

Prior Applications and Sales:

Country	Year	Status	Name Applied
USA	2012	granted	'WA 38'

First sold in USA in Jun 2014.

Description: Gavin Porter, QLD 4503

'WA 38'

Apple (*Malus domestica*) variety 'WA 38'

Details of Application

Application Number	2017/234
Variety Name	'VOQ1'
Genus Species	*Viburnum odoratissimum*
Common Name	Sweet Viburnum
Accepted Date	21-Sep-2017
Applicant	Livistona Australis Pty Ltd trading as Cabbage Tree Nursery, Dural, NSW
Agent	Ozbreed Pty Ltd, Clarendon, NSW
Qualified Person	John Oates

Details of Comparative Trial

Location	Clarendon NSW Australia
Descriptor	TG/277/1 Corr.
Period	2022-2024
Conditions	Plants growing without cover in 30cm pots, regular overhead irrigation as required.
Trial Design	Pots arranged at random in block design.
Measurements	As per UPOV Technical Guidelines.
RHS Chart - edition	Sixth Edition (2015)

Origin and Breeding

Seed Selection: A vigorous, densely branched, upright seedling was observed among *Viburnum odoratissimum* seedlings at 64 Quarry Road, Dural in February 2008. This particular seedling was observed for 4 years and selection was made in October 2012. Now it is called 'VOQ1'. After selection propagated five (5) generations through cuttings and no off type was observed and selected characteristics have found to be uniform and stable. Breeder: Jonathon Williams, Livistona Australia Pty Ltd, Dural 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

Plant	vigour	medium to strong

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Emerald Lustre'	

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

Organ/Plant Part: Context	'VOQ1'	'Emerald Lustre'
☐ Plant: vigour	medium to strong	medium to strong
☐ Plant: habit	upright	semi-upright
☐ Plant: branching	medium	medium
☐ One-year-old shoot: lenticels	present	present
☐ One-year-old shoot : pubescence	absent or very weak	absent or very weak
☐ One-year-old shoot : colour of bark	light brown	light brown
☐ Shoot: pubescence of tip	absent or weak	absent or weak
☐ Shoot: anthocyanin colouration of tip	weak	weak
☒ Leaf blade: length	medium to long	medium
☐ Leaf blade: width	medium	medium
☐ Leaf blade: length/width ratio	moderately elongated	medium
☐ Leaf blade: shape of apex	acute	obtuse
☐ Leaf blade: pubescence of lower side	absent or very weak	absent or very weak
☐ Leaf blade: intensity of green colour on upper side	medium	medium to dark

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'VOQ1'	'Emerald Lustre'

☒ Leaf: margin shape	entire	serrate
☒ Leaf blade: colour upper side	137B	NN137AB
☐ Leaf blade: colour lower side	146C	146B
☐ Young Leaf: shape in cross section	involate	concave

Prior Applications and Sales:

First sold in Australia in August 2016

Description: John Oates, Merimbula NSW

Sweet Viburnum (*Viburnum odoratissimum*) – Candidate 'SAN01' showing differences in foliar characteristics with comparator 'Emarald Lustre'

Details of Application

Application Number	2017/299
Variety Name	'PC2'
Genus Species	*Rhaphiolepis indica*
Common Name	Indian Hawthorn
Synonym	Little Bliss
Accepted Date	05-Feb-2018
Applicant	Pinecrest Nursery, Laurieton, NSW Australia 2443
Qualified Person	Ian Paananen

Details of Comparative Trial

Location	Kulnura, NSW
Descriptor	PBR GEN DES General Descriptor
Period	summer 2018-spring 2019
Conditions	Trial conducted in open beds, planted into 200mm pots filled with soilless potting mix, nutrition maintained with slow-release fertilisers, pest and disease treatments applied as required.
Trial Design	Twelve plants of each variety arranged in a completely randomised design.
Measurements	From ten plants at random
RHS Chart - edition	2015

Origin and Breeding

Open pollination: seed parent R. indica in 2011. The seed parent is characterised by weak immature shoot anthocyanin. Selection took place in Laurieton, NSW in 2011. Selection criteria: attractive greyed orange newly emerged immature leaf colour, bushy plant growth habit and white flowers. Propagation: vegetative cuttings are found to be uniform and stable. Breeder: Rob Tate, Laurieton, 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	width	medium
Stem	presence of anthocyanin in new growth	present

Leaf	shape	elliptic
Flower	type	single
Leaf	undulation of margin	very weak to weak
Petal	main colour	white

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Oriental Pearl'	
'Spring Pearl'	

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
'RHAP01'	Immature shoot: anthocyanin colour	strong	weak	
'Fergusonii'	Leaf undulation of margin	very weak	strong	
'Snow Maiden'	Immature shoot: anthocyanin colour	strong	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	'PC2'	'Oriental Pearl'	'Spring Pearl'
☐ Plant: height	medium	medium	short to medium
☐ Plant: width	medium	narrow to medium	medium
☒ Plant: time of beginning of flowering	early	medium	medium
☐ Stem: presence of anthocyanin in new growth	present	present	present
☐ Leaf: shape	elliptic	elliptic	elliptic
☒ Leaf: shape of apex	acute	obtuse	obtuse
☒ Leaf: shape of base	cuneate	attenuate	attenuate

☐ Leaf: incision of margin	present	present	present
☒ Leaf: depth of incision	medium	very shallow	very shallow
☐ Leaf: type of incision	crenate	crenate	crenate
☐ Leaf: undulation of the margin	weak	very weak to weak	very weak to weak
☐ Leaf: shape of cross-section	concave	concave	concave
☐ Leaf: curvature of longitudinal axis	straight	straight	straight
☒ Leaf: glossiness of upper side	medium	weak	weak
☐ Leaf: green colour	medium to dark	medium to dark	medium to dark
☐ Leaf: presence of variegation	absent	absent	absent
☐ Flower: type	single	single	single
☐ Flower: attitude	erect	erect	erect
☐ Flower: fragrance	present	present	present
☐ Petal: predominant colour of upper side (RHS colour chart)	NN155D	NN155D	NN155D
☐ Petal: predominant colour of lower side (RHS colour chart)	NN155D	NN155D	NN155D
☐ Petal: eye zone (basal spot upper side)	absent	absent	absent

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'PC2'	'Oriental Pearl'	'Spring Pearl'
☐ Immature stem: degree of pubescence	medium	medium to strong	medium to strong
☐ Plant: growth habit	semi-erect	semi upright	semi upright
☒ Stem: intensity of anthocyanin in new growth	strong	absent or very weak	absent or very weak

Statistical Table

Organ/Plant Part: Context	'PC2'	'Oriental Pearl'	'Spring Pearl'
☒ Leaf: length (mm)			
Mean	56.70	49.60	59.70
Std. Deviation	4.20	3.90	6.70

Lsd/sig	6.00	P≤0.01	ns
☒ Leaf: width (mm)			
Mean	25.00	35.30	35.10
Std. Deviation	3.90	3.70	2.60
Lsd/sig	3.49	P≤0.01	P≤0.01
☒ Leaf: length/width			
Mean	2.30	1.42	1.71
Std. Deviation	0.30	0.20	0.20
Lsd/sig	0.24	P≤0.01	P≤0.01
☒ Petiole: length (mm)			
Mean	7.30	13.70	12.80
Std. Deviation	1.30	1.60	1.30
Lsd/sig	1.76	P≤0.01	P≤0.01
☒ Flower: diameter (mm)			
Mean	19.50	22.40	19.90
Std. Deviation	1.40	1.20	2.00
Lsd/sig	1.69	P≤0.01	ns
☒ Pedicel: length (mm)			
Mean	3.90	3.20	4.30
Std. Deviation	0.70	0.40	0.70
Lsd/sig	0.94	P≤0.01	ns
☒ Petal: length			
Mean	10.30	12.40	12.20
Std. Deviation	0.50	0.80	0.90
Lsd/sig	0.98	P≤0.01	P≤0.01
☒ Petal: width			
Mean	5.30	7.40	6.60
Std. Deviation	0.50	0.50	0.50
Lsd/sig	0.73	P≤0.01	P≤0.01

Prior Applications and Sales:

Country	Year	Status	Name applied
USA	2017	Granted	'PC2'

First sold in Australia on 1 November 2016.

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

Indian Hawthorn *(Rhaphiolepis indica) variety* ''PC2' and its comparators 'Oriental Pearl' and 'Spring Pearl'.

Details of Application

Application Number	2017/305
Variety Name	'ELEMENTAL'
Genus Species	*Lactuca sativa*
Common Name	Lettuce
Accepted Date	17-Nov-2017
Applicant	Nunhems B.V., Napoleonsweg 152, Nunhem, 6063 AB, 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	SLA4564
Location	Naktuinbouw, ROELOFARENDSVEEN, The Netherlands
Descriptor	Lettuce (*Lactuca*) TG/13/11
Period	2021-2022
Conditions	in the open
Trial Design	As according UPOV test guidelines
Measurements	As according UPOV test guidelines
RHS Chart - edition	n/a

Origin and Breeding

Controlled pollination: After a cross was made between two proprietary breeding lines, several 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. The present resulting variety Nun 'ELEMENTAL' was found to be stable and uniform. Breeder: Nunhems BV, 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	gem type
Culture	type	in the open
Seed	colour	black
Leaf	anthocyanin coloration	absent or very weak
Plant	time of beginning of bolting	medium
Plant	resistance *Bremia lactucae* (Bl) isolate Bl: 16EU	present
Plant	resistance *Bremia lactuca*e (Bl) isolate Bl: 29EU	present

Most Similar Varieties of Common Knowledge identified (VCK)

Name	**Comments**
'Akiens'	

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

Organ/Plant Part: Context	**'ELEMENTAL'**	**'Akiens'**
☐ Seed: colour	black	
☒ Plant: diameter	small to medium	small
☐ Plant: degree of overlapping of upper part of leaves	medium	
☐ Leaf: attitude	erect to semi-erect	
☐ Leaf: number of divisions	absent or very few	
☐ Leaf: shape	obovate	
☐ Leaf: shape of apex	rounded	
☐ Leaf: longitudinal section	flat	
☐ Leaf: anthocyanin colouration	absent or very weak	

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

Characteristics Additional to the Descriptor/TG

	Organ/Plant Part: Context	**'ELEMENTAL'**	**'Akiens'**
☐	Head: shape in longitudinal section	narrow oblate	
☒	Harvest maturity: time of harvest maturity	late	medium
☐	Bolting: time of beginning of bolting	medium	
☐	Stem: Axillary sprouting	absent or weak	
☐	Bolting stem: fasciation	weak	
☐	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	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	present
☐ Resistance: Resistance to *Bremia lactucae* (Bl) isolate Bl: 29EU	present
☐ Resistance: Resistance to *Bremia lactucae* (Bl) isolate Bl: 30EU	present
☐ Resistance: Resistance to *Bremia lactucae* (Bl) isolate Bl: 31EU	present
☐ Resistance: Resistance to *Bremia lactucae* (Bl) isolate Bl: 33EU	present
☐ Resistance: Resistance to *Bremia lactucae* (Bl) isolate Bl: 35EU	present
☐ Resistance: Resistance to *Lettuce mosaic* virus (LMV) pathotype II	present
☐ Resistance: Resistance to *Nasonovia ribisnigri* (Nr) biotype Nr: 0	present
☐ Head: size	small to medium

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2022	Granted	'ELEMENTAL'
Mexico	2023	Granted	'ELEMENTAL'
UK	2017	Granted	'ELEMENTAL'

Nil prior sales

Description: Ean Blackwell, GPO Box 3898, Sydney, NSW.

Lettuce (*Lactuca sativa*) variety 'ELEMENTAL'

Details of Application

Application Number	2018/017
Variety Name	'Nimba'
Genus Species	*Prunus avium*
Common Name	Sweet Cherry
Accepted Date	13-Feb-2018
Applicant	SMS Unlimited LLC, 1142 Rivergate Dr APT 22 Lodi, CA 95240, USA
Agent	Australian Nurserymen's Fruit Improvement Company (ANFIC) Ltd, Kallangur, QLD 4503
Author of Description	Dr Gavin Porter

Details of Comparative Trial

Overseas Testing Authority	OCVV, France
Overseas Data Reference Number	DEE 4053939
Location	INRA Villenave d'Ornon (33)
Descriptor	TG/35/7
Period	01/03/2014 - 01/12/2018
Conditions	Information unavailable
Trial Design	Information unavailable
Measurements	Information unavailable
RHS Chart - edition	N/A

Origin and Breeding

Open pollination: in 2008, fruit was harvested from our proprietary sweet cherry seedling 'SC3-13 in our experimental orchard located near Lodi, California USA. The seed from this fruit was extracted, stratified and then germinated before planting the seedlings in our experimental orchard. These seedlings were grown for several seasons before first fruit were observed on the seedlings. Evaluation of these seedlings led to the identification of a potential new cherry variety with the characteristics of very early fruit maturity, high tree productivity with large to very large firm fruit. This seedling selection (Breeder code: SMS290) was evaluated for 3-4 seasons before being allocated a variety name. This seedling selection was subsequently named 'Nimba', 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 'SC3-13'. The seed parent ('SC3-13') originated as a first generation seedling from an open pollination cross between our proprietary seedlings with the field identification numbers 'SC1-35' and 'SC1-43' and the variety 'Early Burlat'. 'Nimba' was known to have the following desirable commercial cherry variety

characteristics of very early season harvest maturity, high quality large to very large fruit with good flavour and heavy cropping. Breeder: Steve Southwick, SMS Unlimited LLC, 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	early
Time of	beginning of fruit ripening	early

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Burlat'	

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

Organ/Plant Part: Context	'Nimba'	'Burlat'
☐ Tree: vigour	medium to strong	
☐ *Tree: habit	upright	
☐ *Tree: branching	weak	
☐ Young shoot: anthocyanin colouration of apex	medium to strong	
☐ Young shoot: pubescence of apex	medium to strong	
☐ *One-year-old shoot: length of internode	normal	
☐ One-year-old shoot: number of lenticels	few	
☐ One-year-old shoot: thickness	medium to thick	
☐ Leaf blade: length	medium to long	
☐ Leaf blade: width	medium to broad	
☐ *Leaf blade: ratio length/width	very small	
☐ Leaf blade: intensity of green colour of upper side	dark	

☐	*Leaf: length of petiole	short	
☐	Leaf: ratio length of blade/length of petiole	small	
☐	*Leaf: presence of nectaries	present	
☐	Nectaries: colour	light red	
☒	Flower: diameter	small to medium	large
☐	Flower: shape of petal	broad obovate	
☐	Flower: arrangement of petals	intermediate	
☐	*Fruit: size	large	
☐	*Fruit: shape	reniform	
☒	Fruit: pistil end	flat	depressed
☐	Fruit: suture	weakly conspicuous	
☐	*Fruit: length of stalk	very short to short	
☐	Fruit: thickness of stalk	thin to medium	
☐	Fruit: abscission layer between stalk and fruit	absent	
☐	*Fruit: colour of skin	brown red	
☐	Fruit: size of lenticels on skin	large	
☐	Fruit: number of lenticels on skin	many	
☐	Fruit: thickness of skin	thick	
☐	*Fruit: colour of flesh	medium red	
☐	Fruit: colour of juice	red	
☐	*Fruit: firmness	medium to firm	medium
☐	Fruit: acidity	low	
☐	Fruit: sweetness	medium to high	
☐	Fruit: juiciness	weak to medium	
☐	*Stone: size	small to medium	

☐ *Stone: shape in ventral view	medium elliptic
☐ *Fruit: ratio weight of fruit/weight of stone	large
☐ *Time of: beginning of flowering	early
☐ *Time of: beginning of fruit ripening	early

Prior Applications and Sales:

Country	Year	Status	Name Applied
France	**2013**	**granted**	'Nimba'

First sold in Spain in Dec 2013.

Description: Dr Gavin Porter, QLD 4503

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

Details of Application

Application Number	2018/352
Variety Name	'CAM-013'
Genus Species	*Prunus avium*
Common Name	Sweet Cherry
Accepted Date	17-Dec-2018
Applicant	James & Gay Cusato, Cabarlah, QLD
Qualified Person	Dr Donald S. Loch

Details of Comparative Trial

Location	Nashdale, NSW, Australia (Latitude 33°19'S, Longitude 149°01'E, Altitude 1028 masl)
Descriptor	TG/35/6
Period	6 Jul 2022 – 19 Dec 2023
Conditions	Bare-rooted winter-dormant 4-yr old trees transplanted into a slightly acid volcanic soil on 6 Jul 2022. Watered and fertilised as and when required to maintain productive fruit tree growth.
Trial Design	6 plants of Prunus avium 'CAM-013', 2 plants of Prunus avium 'Rainier' (comparator) and 1 plant of 'Sylvia' (pollinator), all planted at 2.4 m spacings in a single row.
Measurements	Descriptor attributes assessed at the ripe fruit stage and key varietal differences documented by photographs on 19 Dec 2023.
RHS Chart - edition	2015 (6th edition)

Origin and Breeding

Spontaneous Mutation - 'CAM-013' sweet cherry was discovered in 2013 as a sport on a tree of 'Regina' growing in the breeder's commercial cherry orchard near Campania (TAS). Five new trees were propagated by cuttings in 2014 while observations on the mutated branch continued and the unique appearance and quality of its fruit were assessed. In 2015, buds taken from the first cutting-grown trees were used in nursery propagation of 15 new trees. In turn, these were used by the same nursery in 2016 to bud an additional 150+ trees for further evaluation of the growth and performance of the new cultivar. The breeder made a small fourth generation expansion by scion grafting 10 plants in September 2018.Throughout the expansion process as described, the unique striping and light colour of the fruit have remained stable. 'CAM-013' has been selected for commercial release based on its unique striped and light-coloured fruit, its excellent eating quality, and its resistance to cracking in wet weather. Breeder: James Cusato, Cabarlah (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
Fruit	colour of skin	light red

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Rainier'	Public variety developed during the 1950s in Washington state (USA) and released in 1960

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

Organ/Plant Part: Context	'CAM-013'	'Rainier'
☐ *Tree: type	normal	normal
☒ Tree: vigour	strong	medium
☒ *Tree: habit	upright	semi-upright
☐ *Tree: branching	strong	medium to strong
☐ One-year-old shoot: number of lenticels	few	few
☐ One-year-old shoot: position of vegetative bud in relation to shoot	strongly held out	strongly held out
☐ Young shoot: anthocyanin colouration of tip	weak	weak to medium
☐ Leaf blade: length	long	long
☒ Leaf blade: width	narrow	broad
☒ *Leaf blade: ratio length/width	large	small
☐ Leaf blade: green colour of upper side	medium to dark	medium to dark
☒ *Leaf: length of petiole	long	medium
☐ Leaf: ratio length of petiole/length of blade	medium	small to medium

☐ *Petiole: nectaries	present	present
☒ Petiole: colour of nectaries	dark red	orange yellow
☒ Flower: diameter of corolla	large	medium
☒ Flower: shape of petal	round	broad elliptic
☒ Flower: relative position of petal margins	touching	free
☒ *Fruit: size	large	medium
☐ *Fruit: shape	cordate	cordate
☐ Fruit: pistil end	depressed	depressed
☐ *Fruit: colour of skin	light red	light red
☐ Fruit: size of lenticels on skin	small	small
☐ Fruit: number of lenticels on skin	medium	medium
☐ Fruit: colour of juice	colourless	colourless
☐ Fruit: colour of flesh	cream white	cream white
☐ *Fruit: firmness	firm	firm
☐ Fruit: acidity	low	low to medium
☒ Fruit: sweetness	high to very high	medium to high
☒ Fruit: juiciness	strong to very strong	medium to strong
☐ *Fruit: length of stalk	long	medium to long
☐ Fruit: abscission layer between stalk and fruit	absent	absent
☐ Fruit: thickness of stalk	thin	thin
☐ *Stone: size	small	small
☒ *Stone: shape	broad elliptic	round
☐ *Stone: size relative to fruit	small	small
☐ *Time of: flowering	medium	medium

☒ *Time of: fruit maturity	late to very late	early to medium

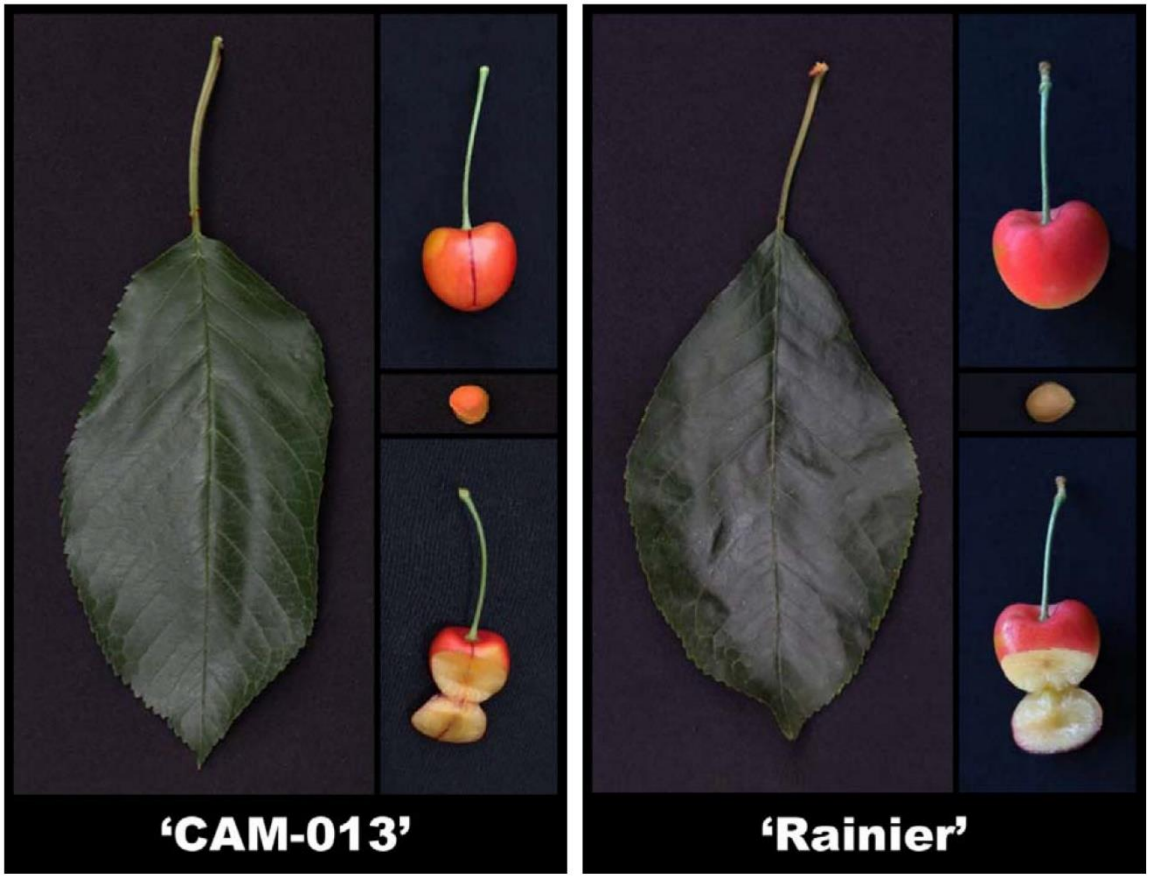
Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'CAM-013'	'Rainier'
☐ Leaf blade: colour of upper side (RHS)	N137A	N137A
☒ Fruit: secondary dark-coloured stripe on the skin	present	absent
☒ Fruit: secondary dark-coloured stripe extending into the flesh	present	absent

Prior Applications and Sales:

Nill

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



Sweet Cherry (*Prunus avium*) – Candidate 'CAM-013' showing differences in foliar and fruit characteristics with comparator 'Rainier'

Details of Application

Application Number	2018/353
Variety Name	'PR-7'
Genus Species	*Solanum lycopersicum*
Common Name	Tomato
Synonym	
Accepted Date	12-Mar-2019
Applicant	TAKII & COMPANY LIMITED, Kyoto, Japan
Agent	Spruson & Ferguson Pty Limited, Sydney
Qualified Person	Ian Paananen

Details of Comparative Trial

Overseas Testing Authority	PVPO, Japan
Overseas Data Reference Number	32361
Location	Nagasaki, Japan
Descriptor	UPOV TG/44/10
Period	2019
Conditions	as per DUS test report
Trial Design	as per DUS test report
Measurements	as per DUS test report
RHS Chart - edition	2015

Origin and Breeding

Controlled pollination: seed parent a stable proprietary breeding line designated "Momotaro gift x proprietary black tomato line K153" x pollen parent a stable proprietary breeding line designated "proprietary tomato line T1244 x proprietary tomato line R39" at Takii Research Farm, Shiga, Japan. The seed parent is characterised by an oblate fruit shape, pink fruit colour and more than six locules in fruit. The pollen parent is characterised by a brown fruit colour, oblate fruit shape and susceptibility to Fulvia fulva. Selection criteria: ease of cultivation, desirable fruit quality and disease resistance. Propagation: asexual propagation found to be uniform and stable. Breeder: TAKII & COMPANY LIMITED, Kyoto, Japan.

Choice of Comparators:

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	growth type	indeterminate
Leaf	division of blade	bipinnate
Peduncle	abscission layer	present
Fruit	shape in longitudinal section	ovate
Fruit	number of locules	two or three
Fruit	green shoulder (before maturity)	present
Fruit	colour at maturity	red

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'KGM062'	
'Russian Plum'	

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

Organ/Plant Part: Context	'PR-7'	'Russian Plum'	'KGM062'
☐ *Plant: growth type	indeterminate		
☐ Stem: anthocyanin colouration of upper third	medium		
☐ Stem: length of internode (indeterminate growth type varieties only)	medium		
☐ *Leaf: attitude	horizontal to semi-drooping		
☐ *Leaf: length	medium		
☐ *Leaf: width	narrow to medium		
☐ *Leaf: division of blade	bipinnate		

☐ Leaf: size of leaflets	small to medium
☐ Leaf: intensity of green colour	medium
☐ Leaf: blistering	medium
☐ Leaf: attitude of petiole of leaflet in relation to main axis	semi-erect to horizontal
☐ Inflorescence: type	mainly uniparous
☐ Flower: fasciation	absent
☐ *Flower: colour	yellow
☐ *Peduncle: abscission layer	present
☐ *Peduncle: length (varieties with abscission layers only)	short
☐ *Fruit: size	medium
☐ *Fruit: ratio length/diameter	small to medium
☐ *Fruit: shape in longitudinal section	ovate
☐ *Fruit: ribbing at peduncle end	very weak to weak
☐ Fruit: cross section	round
☐ Fruit: depression at peduncle end	weak
☐ Fruit: size of peduncle scar	small
☐ Fruit: size of blossom scar	very small
☐ Fruit: shape at blossom end	flat to pointed
☐ Fruit: size of core in cross section	small
☐ Fruit: thickness of pericarp	medium to thick
☐ *Fruit: number of locules	two to three
☐ *Fruit: green shoulder	present
☐ *Fruit: extent of green shoulder	medium

☒ *Fruit: intensity of green colour of shoulder	light to medium	medium to dark
☒ *Fruit: intensity of green colour	medium to dark	medium
☐ *Fruit: colour at maturity	red	
☐ *Fruit: colour of flesh	red	
☐ *Fruit: firmness	medium	
☐ Fruit: shelf-life	medium to long	
☐ Time of: flowering	early to medium	
☐ *Time of: maturity	medium	

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2018	pending	'PR-7'
Japan	2017	granted	'PR-7'
Malaysia	2018	pending	'PR-7'
Vietnam	2018	pending	'PR-7'
Brazil	2018	pending	'PR-7'

First sold as 'SB-M1701' on 26th Sep 2016 in Japan

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

Solanum lycopersicum (Tomato) variety 'PR-7'

Details of Application

Application Number	2019/066
Variety Name	'IFG Cher-five'
Genus Species	*Prunus avium*
Common Name	Sweet Cherry
Accepted Date	15 May 2019
Applicant	Bloom Fresh International Limited, London, UK.
Agent	Baker McKenzie, Sydney, NSW.
Qualified Person	Leslie Mitchell

Details of Comparative Trial

Location	Cobram Victoria
Descriptor	Sweet Cherry (*Prunus avium*), TG/35/7
Period	2018 to 2024
Conditions	Grown under commercial conditions
Trial Design	Large block un-replicated
Measurements	As per TG/35/7
RHS Chart - edition	

Origin and Breeding

Open pollination: The new and distinct sweet cherry tree described and claimed originated from open pollinated seeds collected in May 2001 of the non-patented 'Flavor Giant' variety (female parent) growing in a commercial orchard in Kern County, California. The male pollen parent is unknown. The seeds were stratified, germinated and the resulting 231 seedlings were planted in a field near Delano, Kern County, California in April 2002. The present variety of sweet cherry tree was selected as a single plant in May 2005 and was first asexually propagated in January 2006 by grafting onto *Prunus mahalab* rootstock. This propagule was found to reproduce true-to-type by asexual propagation. All propagation was done near Delano, Kern County, California. Breeder: David W. Cain, Bakersfield, CA, USA.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Tree	time to beginning of flowering	early to medium

Tree	time to fruit maturity	early to medium
Fruit	size	medium
Fruit	colour of the skin	dark red

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Brooks'	

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
'Glenred'	Length of stem	shorter	longer	

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

Organ/Plant Part: Context	'IFG Cher-five'	'Brooks'
☒ Tree: vigour	medium	weak
☐ *Tree: habit	semi-upright	semi-upright
☐ *Tree: branching	medium	medium
☒ One-year-old shoot: number of lenticels	few	medium
☐ One-year-old shoot: thickness	medium	medium
☒ Leaf blade: length	short to medium	long to very long
☒ Leaf blade: width	narrow to medium	broad to very broad
☐ *Leaf blade: ratio length/width	medium to large	medium
☒ Leaf blade: intensity of green colour of upper side	medium	dark
☒ *Leaf: length of petiole	medium to long	long to very long
☒ Leaf: ratio length of blade/length of petiole	small	large

☐	*Leaf: presence of nectaries	present	present
☒	Nectaries: colour	light red	greenish yellow
☐	Flower: diameter	large	large
☐	Flower: shape of petal	medium obovate	medium obovate
☐	Flower: arrangement of petals	overlapping	overlapping
☐	*Fruit: size	large	medium to large
☐	*Fruit: shape	reniform	oblate
☐	Fruit: pistil end	flat	depressed
☒	Fruit: suture	weakly conspicuous	strongly conspicuous
☐	*Fruit: length of stalk	short	short
☐	Fruit: thickness of stalk	medium to thick	medium
☐	*Fruit: colour of skin	dark red	dark red
☐	Fruit: thickness of skin	intermediate	thick
☒	*Fruit: colour of flesh	dark red	pink
☐	Fruit: colour of juice	purple	red
☒	*Fruit: firmness	firm to very firm	medium to firm
☐	Fruit: acidity	low	medium
☐	Fruit: sweetness	high	medium to high
☐	*Stone: size	medium	medium
☒	*Stone: shape in ventral view	circular	medium elliptic
☐	*Time of: beginning of flowering	early	early to medium
☐	*Time of: beginning of fruit ripening	early to medium	early to medium

Prior Applications and Sales:

Country	Year	Status	Name Applied
USA	2017	Pending	'IFG Cher-five'
CL	2020	Granted	'IFG Cher-five'
MX	2021	Granted	'IFG Cher-five'

Nil

Description: Les Mitchell, Shepparton, VIC.

Sweet Cherry (*Prunus avium*) variety 'IFG Cher-five'

Details of Application

Application Number	2019/091
Variety Name	'Indibig'
Genus Species	*Rhaphiolepis indica*
Common Name	Indian Hawthorn
Accepted Date	04-Jun-2019
Applicant	MELINDA ELIAS, Goonellabah, NSW Australia 2480
Agent	Australian Horticultural Services, Wonga Park, VIC 3115
Qualified Person	Ian Paananen

Details of Comparative Trial

Location	Kulnura, NSW
Descriptor	PBR GEN DES General Descriptor
Period	summer 2018-spring 2019
Conditions	Trial conducted in open beds, planted into 200mm pots filled with soilless potting mix, nutrition maintained with slow-release fertilisers, pest and disease treatments applied as required.
Trial Design	Twelve plants of each variety arranged in a completely randomised design.
Measurements	From ten plants at random
RHS Chart - edition	2015

Origin and Breeding

Controlled pollination: seed parent 'Spring Pearl' x pollen parent 'Snow Maiden' in 2012. The seed parent is characterised by a medium leaf size and spring & autumn flowering season. The pollen parent is characterised by a medium leaf size, strong undulation of leaf margin and weak degree of branching. Selection took place in Goonellabah, NSW in 2014. Selection criteria: compact plant habit & low seed set. Propagation: vegetative cuttings are found to be uniform and stable. Breeder: Melinda Elias, Goonellabah, 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	width	medium
Stem	presence of anthocyanin in new growth	present
Leaf	shape	elliptic

Flower	type	single
Leaf	undulation of margin	very weak to weak
Petal	main colour	white

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Oriental Pearl'	
'Spring Pearl'	
'PC2'	

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
'Fergusonii'	Leaf undulation of margin	very weak to weak	strong	Fergusonii also has strong anthocyanin of new growth
'Raph01'	Leaf width	broad	medium	'Raph01' also has a much broader flower diameter
'Snow Maiden '	Leaf undulation of margin	very weak to weak	strong	'Snow Maiden' also has narrower leaves and less branching

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

Organ/Plant Part: Context	'Indibig'	'Oriental Pearl'	'PC2'	'Spring Pearl'
☐ Plant: height	medium to tall	medium	medium	medium
☐ Plant: width	medium	medium	medium	medium
☐ Plant: time of beginning of flowering	early to medium	medium	early	medium
☐ Stem: presence of anthocyanin in new growth	present	present	present	present
☐ Leaf: attitude	semi-erect	semi-erect	semi-erect	semi-erect

☐ Leaf: shape	elliptic	elliptic	elliptic	elliptic
☒ Leaf: shape of apex	obtuse	obtuse	acute	obtuse
☒ Leaf: shape of base	attenuate	attenuate	cuneate	attenuate
☐ Leaf: incision of margin	present	present	present	present
☒ Leaf: depth of incision	shallow	very shallow	medium	very shallow
☐ Leaf: type of incision	crenate	crenate	crenate	crenate
☐ Leaf: undulation of the margin	very weak to weak	very weak to weak	weak	very weak to weak
☐ Leaf: shape of cross-section	concave	concave	concave	concave
☐ Leaf: curvature of longitudinal axis	straight	straight	straight	straight
☒ Leaf: glossiness of upper side	weak	weak	medium	weak
☐ Leaf: green colour	medium to dark	medium to dark	medium to dark	medium to dark
☐ Leaf: presence of variegation	absent	absent	absent	absent
☐ Flower: type	single	single	single	single
☐ Flower: attitude	erect	erect	erect	erect
☐ Flower: fragrance	present	present	present	present
☐ Petal: predominant colour of upper side (RHS colour chart)	NN155D	NN155D	NN155D	NN155D
☐ Petal: predominant colour of lower side (RHS colour chart)	NN155D	NN155D	NN155D	NN155D
☐ Petal: eye zone (basal spot upper side)	absent	absent	absent	absent

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Indibig'	'Oriental Pearl'	'PC2'	'Spring Pearl'
☒ Immature stem: degree of pubescence	strong	medium to strong	medium	medium to strong
☐ Plant: growth habit	semi-erect	semi upright	semi upright	semi upright
☒ Stem: intensity of anthocyanin in new growth	absent or very weak	absent or very weak	strong	absent or very weak

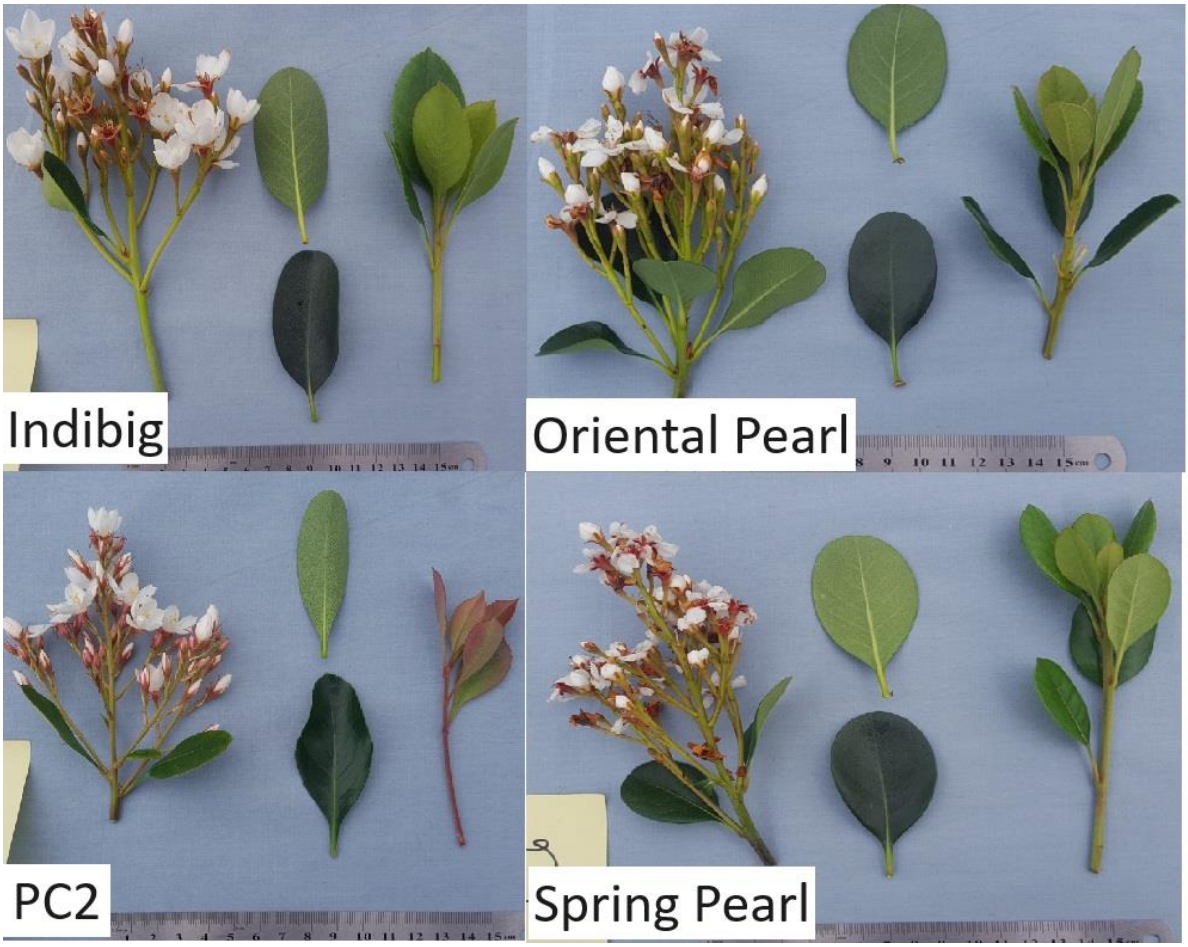
Statistical Table

Organ/Plant Part: Context	'Indibig'	'Oriental Pearl'	'PC2'	'Spring Pearl'
☒ Leaf: length (mm)				
Mean	63.60	49.60	56.70	59.70
Std. Deviation	5.90	3.90	4.20	6.70
Lsd/sig	6.00	P≤0.01	P≤0.01	ns
☒ Leaf: width (mm)				
Mean	38.00	35.30	25.00	35.10
Std. Deviation	1.80	3.70	3.90	2.60
Lsd/sig	3.49	ns	P≤0.01	ns
☒ Leaf: length/width				
Mean	1.68	1.42	2.30	1.70
Std. Deviation	0.20	0.20	0.30	0.20
Lsd/sig	0.24	ns	P≤0.01	ns
☒ Petiole: length (mm)				
Mean	14.90	13.70	7.30	12.80
Std. Deviation	1.70	1.60	1.30	1.30
Lsd/sig	1.76	ns	P≤0.01	P≤0.01
☒ Flower: diameter (mm)				
Mean	25.50	22.40	19.50	19.90
Std. Deviation	1.40	1.20	1.40	2.00
Lsd/sig	1.69	P≤0.01	P≤0.01	P≤0.01
☒ Pedicel: length (mm)				
Mean	4.70	4.70	4.70	4.30
Std. Deviation	0.70	0.70	0.70	0.70
Lsd/sig	0.94	P≤0.01	ns	ns
☒ Petal: length (mm)				
Mean	15.80	12.40	10.30	12.20
Std. Deviation	1.00	0.80	0.50	0.90
Lsd/sig	0.98	P≤0.01	P≤0.01	P≤0.01

☒ Petal: width (mm)				
Mean	9.10	7.40	5.30	6.60
Std. Deviation	0.90	0.50	0.50	0.50
Lsd/sig	0.73	P≤0.01	P≤0.01	P≤0.01

Prior Applications and Sales: Nil

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



Indian Hawthorn *(Rhaphiolepis indica) variety* 'Indibig' and its comparators 'Oriental Pearl', 'PC2', 'Spring Pearl'.

Details of Application

Application Number	2019/092
Variety Name	'Indicomp'
Genus Species	*Rhaphiolepis indica*
Common Name	Indian Hawthorn
Accepted Date	04-Jun-2019
Applicant	MELINDA ELIAS, Goonellabah, NSW Australia 2480
Agent	Australian Horticultural Services, Wonga Park, VIC 3115
Qualified Person	Ian Paananen

Details of Comparative Trial

Location	Kulnura, NSW
Descriptor	PBR GEN DES General Descriptor
Period	summer 2018-spring 2019
Conditions	Trial conducted in open beds, planted into 200mm pots filled with soilless potting mix, nutrition maintained with slow-release fertilisers, pest and disease treatments applied as required.
Trial Design	Twelve plants of each variety arranged in a completely randomised design.
Measurements	From ten plants at random
RHS Chart - edition	2015

Origin and Breeding

Controlled pollination: seed parent 'Spring Pearl' x pollen parent 'Snow Maiden' in 2012. The seed parent is characterised by a medium leaf size and spring & autumn flowering season. The pollen parent is characterised by a medium leaf size, strong undulation of leaf margin and weak degree of branching. Selection took place in Goonellabah, NSW in 2014. Selection criteria: compact plant habit & low seed set. Propagation: vegetative cuttings are found to be uniform and stable. Breeder: Melinda Elias, Goonellabah, 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	width	medium
Stem	presence of anthocyanin in new growth	present

Leaf	shape	elliptic
Flower	type	single
Leaf	undulation of margin	very weak to weak
Petal	main colour	white

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Oriental Pearl'	
'Spring Pearl'	
'PC2'	

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
'Snow Maiden'	Leaf undulation of margin	very weak to weak	strong	Snow Maiden also has narrower leaves and less branching and taller plant height
'Fergusonii'	Leaf undulation of margin	very weak to weak	strong	Fergusonii also has strong anthocyanin of new growth
'Raph01'	Leaf undulation of margin	very weak to weak	weak to medium	Raph01 also has a much broader flower diameter

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

Organ/Plant Part: Context	'Indicomp'	'Oriental Pearl'	'PC2'	'Spring Pearl'
☒ Plant: height	short	short	medium	medium
☐ Plant: width	medium	medium	medium	medium
☒ Plant: time of beginning of flowering	late	late	early	medium
☐ Stem: presence of anthocyanin in new growth	present	present	present	present
☐ Leaf: attitude	semi-erect	semi-erect	semi-erect	semi-erect

☐ Leaf: shape	elliptic	elliptic	elliptic	elliptic
☒ Leaf: shape of apex	obtuse	obtuse	acute	obtuse
☒ Leaf: shape of base	attenuate	attenuate	cuneate	attenuate
☐ Leaf: incision of margin	present	present	present	present
☒ Leaf: depth of incision	shallow to medium	shallow to medium	medium	very shallow
☐ Leaf: type of incision	crenate	crenate	crenate	crenate
☐ Leaf: undulation of the margin	very weak to weak	very weak to weak	weak	very weak to weak
☐ Leaf: shape of cross-section	concave	concave	concave	concave
☐ Leaf: curvature of longitudinal axis	straight	straight	straight	straight
☒ Leaf: glossiness of upper side	weak	weak	medium	weak
☐ Leaf: green colour	medium to dark	medium to dark	medium to dark	medium to dark
☐ Leaf: presence of variegation	absent	absent	absent	absent
☐ Flower: type	single	single	single	single
☐ Flower: attitude	erect	erect	erect	erect
☐ Flower: fragrance	present	present	present	present
☐ Petal: predominant colour of upper side (RHS colour chart)	NN155D	NN155D	NN155D	NN155D
☐ Petal: predominant colour of lower side (RHS colour chart)	NN155D	NN155D	NN155D	NN155D
☐ Petal: eye zone (basal spot upper side)	absent	absent	absent	absent

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Indicomp'	'Oriental Pearl'	'PC2'	'Spring Pearl'
☒ Immature stem: degree of pubescence	weak	weak	medium	medium to strong

☐ Plant: growth habit	semi-erect	semi upright	semi upright	semi upright
☒ Stem: intensity of anthocyanin in new growth	absent or very weak	absent or very weak	strong	absent or very weak

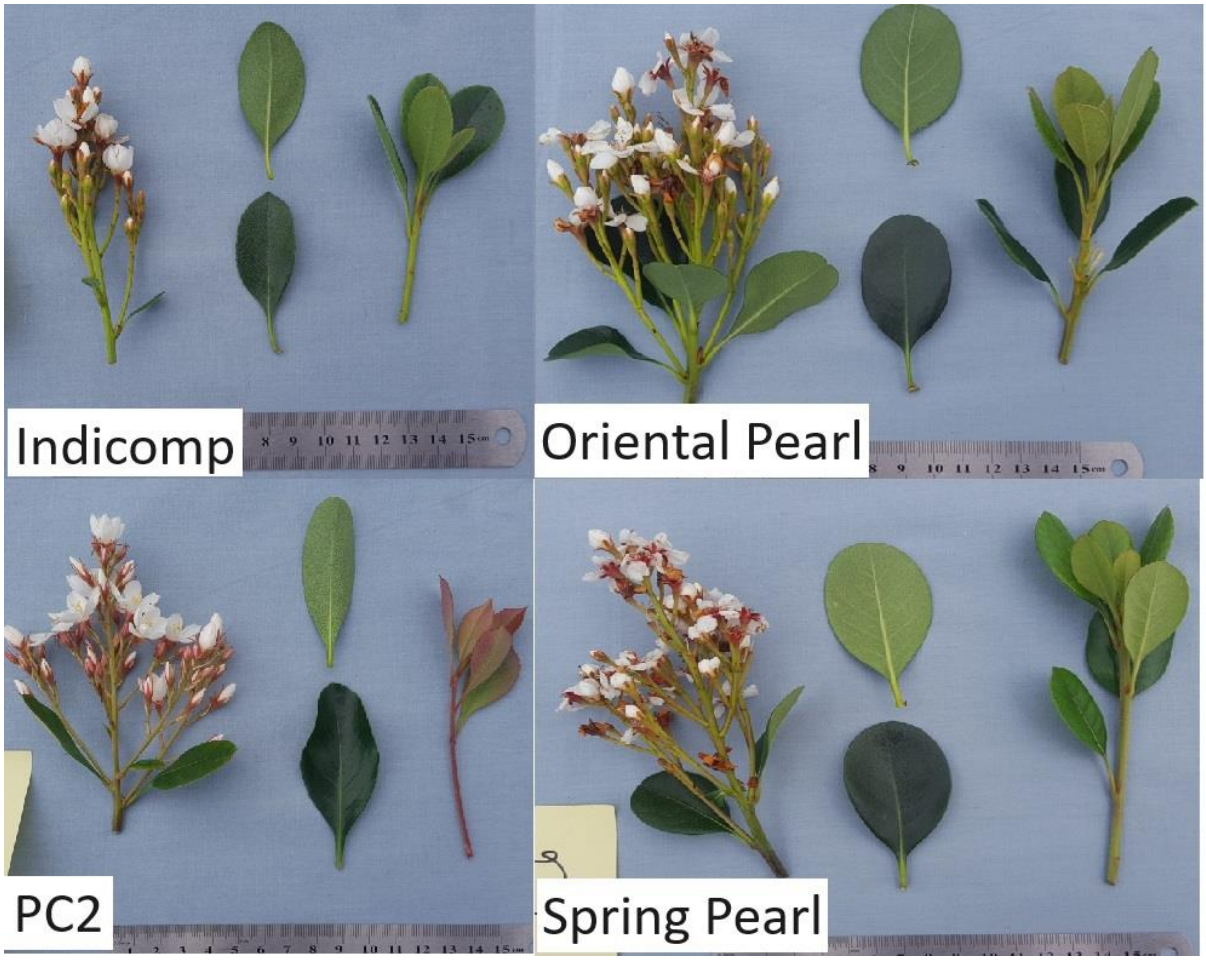
Statistical Table

Organ/Plant Part: Context	**'Indicomp'**	**'Oriental Pearl'**	**'PC2'**	**'Spring Pearl'**
☒ Leaf: length (mm)				
Mean	38.80	49.60	56.70	59.70
Std. Deviation	3.60	3.90	4.20	6.70
Lsd/sig	6.00	P≤0.01	P≤0.01	P≤0.01
☒ Leaf: width (mm)				
Mean	20.60	35.30	25.00	35.10
Std. Deviation	1.80	3.70	3.90	2.60
Lsd/sig	3.49	P≤0.01	P≤0.01	P≤0.01
☒ Leaf: length/width				
Mean	1.89	1.42	2.30	1.70
Std. Deviation	0.10	0.20	0.30	0.20
Lsd/sig	0.24	P≤0.01	P≤0.01	ns
☒ Flower: diameter (mm)				
Mean	18.60	22.40	19.50	19.90
Std. Deviation	1.40	1.20	1.40	2.00
Lsd/sig	1.69	P≤0.01	ns	ns
☒ Petiole: length (mm)				
Mean	10.00	13.70	7.30	12.80
Std. Deviation	1.30	1.60	1.30	1.30
Lsd/sig	1.76	P≤0.01	P≤0.01	P≤0.01
☒ Pedicel: length (mm)				
Mean	4.50	3.20	3.90	4.30
Std. Deviation	1.20	0.40	0.70	0.70
Lsd/sig	0.94	P≤0.01	ns	ns

☒ Petal: length (mm)				
Mean	11.00	12.40	10.30	12.20
Std. Deviation	1.00	0.80	0.50	0.90
Lsd/sig	0.98	P≤0.01	ns	P≤0.01
☒ Petal: width (mm)				
Mean	7.10	7.40	5.30	6.60
Std. Deviation	0.60	0.50	0.50	0.50
Lsd/sig	0.73	ns	P≤0.01	ns

Prior Applications and Sales: **Nil**

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



Indian Hawthorn *(Rhaphiolepis indica) variety* 'Indicomp' and its comparators 'Oriental Pearl', 'PC2', 'Spring Pearl'.

Details of Application

Application Number	2019/107
Variety Name	'S-49'
Genus Species	*Ficus carica*
Common Name	Native Fig
Accepted Date	26-Aug-2019
Applicant	Family Tree Farms, Inc. Reedley, USA.
Agent	Griffith Hack, Perth, WA.
Qualified Person	Leslie Mitchell

Details of Comparative Trial

Overseas Testing Authority	USPTO
Overseas Data Reference Number	US PP27,982 P2
Location	Traver, Tulare County, California, USA
Descriptor	Fig (*Ficus carica*), TG/265/1
Period	2015
Conditions	Field grown under semi commercial conditions.
Trial Design	Unrandomized block
Measurements	As per TG/265/1
RHS Chart - edition	6th Edition

Origin and Breeding

Controlled pollination: The initial hybrid cross was completed at Roseville, California, United States of America in 2010 between the variety 'Desert King'(unpatented) as the female parent and the caprifig tree '91C' (unpatented) as the pollen parent. Upon maturity, the fruit was harvested, and the seed washed and dried, then field planted into rows in 2011, where they produced fruit that was evaluated and selected in 2015. One seedling coded S-49 exhibited outstanding characteristics and was further evaluated for commercialisation. Through successive asexual propagations the variety has remained stable and true to type. Breeder: James F Doyle, Clovis, 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
Fruit	ground colour of skin (main crop)	purple
Fruit	colour of pulp (main crop)	red
Tree	time to fruit maturity (main crop)	medium

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'CA Brown Turkey'	

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Desert King'	Fruitground colour of the skin	purple	green	
'Mission'	Fruitcolour	purple	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	'S-49'	'CA Brown Turkey'
☐ *Plant: growth habit	semi-upright to spreading	
☐ *Plant: weeping of secondary shoots	absent	
☒ *Plant: vigour	strong	very strong
☐ Plant: number of basal suckers	few	
☐ *Plant: density of branching	medium	
☐ *One-year-old shoot: number of internodes	medium	
☐ *Terminal bud: length/width ratio	medium	
☐ *Terminal bud: size	medium	
☐ *Terminal bud: colour	yellow-green	

☐	*Shoot: bud support swellings	medium	
☐	*Two-year-old shoot: trajectory	linear	
☐	Shoot: number of leaves	medium	
☐	*Leaf: predominant type	five-lobed	
☐	*Leaf: shape of central lobe (varieties with lobed leaves only)	linear	
☐	*Leaf: ratio length of central lobe/length of blade	large	
☐	*Leaf blade: length	long	
☐	*Lobed leaf: little lateral lobes on petiole sinus	absent	
☐	*Fruit: shape (first crop)	spherical	
☐	*Fruit: size (first crop)	large	
☐	*Fruit: size (main crop)	large	
☐	*Fruit: length (first crop)	long	
☐	*Fruit: length (main crop)	long	
☐	*Fruit: width (first crop)	large	
☐	*Fruit: width (main crop)	large	
☐	*Fruit: weight (first crop)	heavy	
☐	*Fruit: weight (main crop)	heavy	
☐	Fruit: neck length (first crop)	absent or very short	
☐	Fruit: neck length (main crop)	short to medium	
☐	Fruit: ostiole size (first crop)	medium	medium
☒	Fruit: ostiole size (main crop)	small	medium
☐	*Fruit: stalk length (first crop)	medium	
☐	*Fruit: stalk length (main crop)	medium	
☐	*Fruit: skin ground colour (first crop)	purple	

☐ *Fruit: skin ground colour (main crop)	purple
☐ *Fruit: skin overcolour (first crop)	purple
☐ *Fruit: skin overcolour (main crop)	purple
☐ *Fruit: lenticels quantity (first crop)	intermediate
☐ *Fruit: lenticels quantity (main crop)	intermediate
☐ Fruit: lenticels large size (first crop)	absent
☐ Fruit: lenticels size (main crop)	absent
☐ *Fruit: pulp colour (first crop)	red
☐ *Fruit: pulp colour (main crop)	red
☐ *Fruit: cavity pulp (first crop)	absent or very small
☐ *Fruit: cavity pulp (main crop)	absent or very small
☐ Fruit: juiciness (first crop)	medium
☐ Fruit: juiciness (main crop)	medium
☐ *Fruit: number of achenes (first crop)	high
☐ *Fruit: number of achenes (main crop)	high
☐ Fruit: achenes size (first crop)	medium
☐ Fruit: achenes size (main crop)	medium
☐ Fruit: ribbing (first crop)	medium
☐ Fruit: ribbing (main crop)	medium
☐ *Fruit: expression of skin cracks (first crop)	absent or very weak
☐ *Fruit: expression of skin cracks (main crop)	absent or very weak
☐ Fruit: ostiolo cracks (first crop)	present
☐ Fruit: ostiole cracks (main crop)	present
☐ Fruit: ease of peeling (first crop)	easy
☐ Fruit: ease of peeling (main crop)	easy

☐ *Fruit: time of beginning of fruit maturity (first crop)	early
☐ *Fruit: time of beginning of fruit maturity (main crop)	medium
☐ *Fruit: abnormal fruit formation (first crop)	absent or very few
☐ *Fruit: abnormal fruit formation (main crop)	absent or very few
☐ Date of: terminal bud-burst (leafing)	medium

Characteristics Additional to the Descriptor/TG

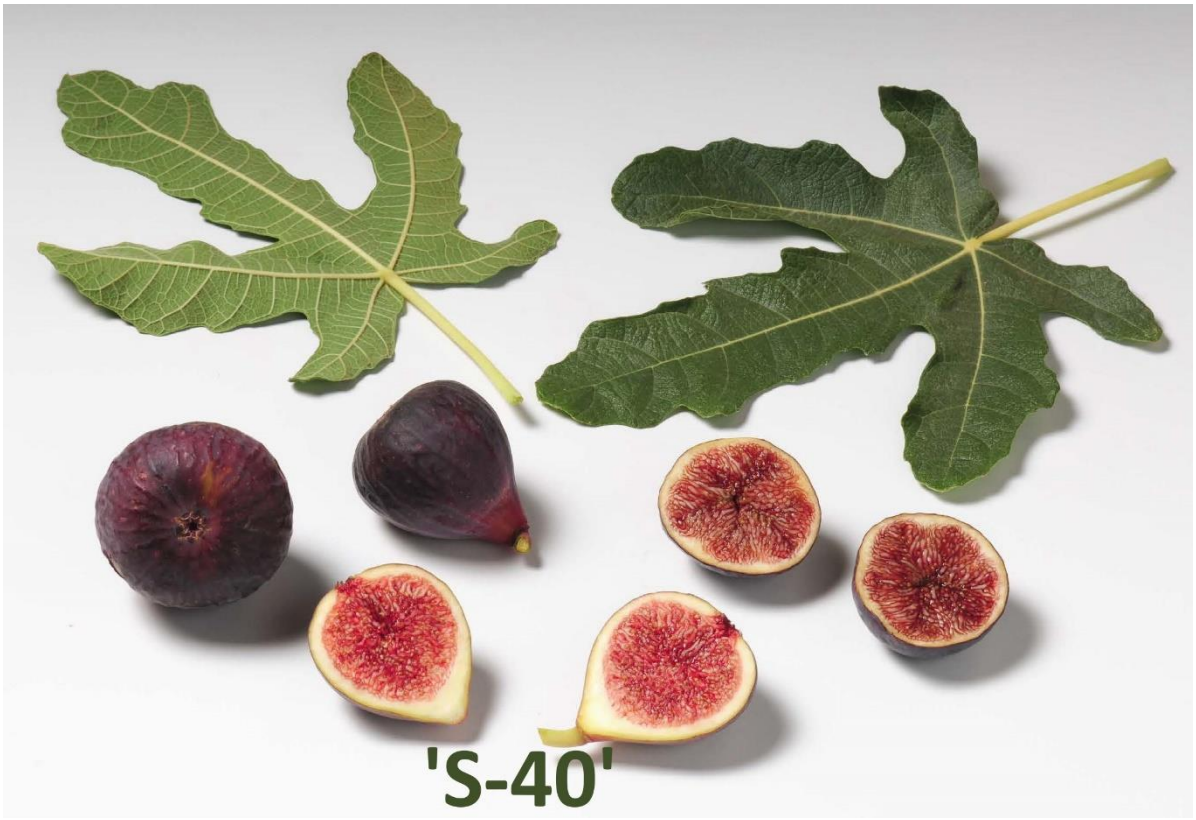
Organ/Plant Part: Context	'S-49'	'CA Brown Turkey'
☒ Fruit: pulp cavity	absent	present
☒ Fruit: colour of the neck	purple	brown with yellow bands

Prior Applications and Sales:

Country	Year	Status	Name Applied
USA	2015	Granted	'S-49'

First sold in USA in Aug:2017.

Description: Leslie Mitchell, Eurofins Agrisearch**, S**hepparton, VIC 3630.



Native Fig (*Ficus carica*) variety ‘S-49’

Details of Application

Application Number	2019/110
Variety Name	'Miu'
Genus Species	*Podocarpus macrophyllus*
Accepted Date	11-Jul-2019
Applicant	Yoshio Sato, Chiba, Japan
Agent	Sprint Horticulture Pty Ltd, Peats Ridge, NSW
Qualified Person	Ian Paananen

Details of Comparative Trial

Overseas Testing Authority	PVPO, Japan
Overseas Data Reference Number	Application No. 25299 (Registration No 22536)
Location	Chiba, Japan
Descriptor	Yew Plum Pine Test Guideline in Japan (1990)
Period	2012
Conditions	as per DUS test report
Trial Design	as per DUS test report
Measurements	as per DUS test report
RHS Chart - edition	2015

Origin and Breeding

Open pollination: seed parent Podocarpus macrophyllus. The seed parent is characterised by an absence of leaf variegation. Selection took place in Sosa-shi, Chiba, Japan in 2003. Selection criteria: presence of leaf variegation and light coloured new growth. Propagation: vegetative cuttings are found to be uniform and stable. Breeder: Yoshio Sato, Chiba, Japan.

Choice of Comparators

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Tree	form	single trunk

Trunk	form	straight
Leaf	shape	linear
Leaf	length	short
Leaf	curvature	absent

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'OUGONMAKI'	
'BENIKUJAKU'	

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

Organ/Plant Part: Context	'Miu'	'BENIKUJAKU'	'OUGONMAKI'
☐ Plant: type	tree	tree	tree

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Miu'	'BENIKUJAKU'	'OUGONMAKI'
☐ Tree: form	single trunk		
☐ Tree: height	low		
☐ Trunk: form	straight		
☐ Trunk: taperness	medium		
☐ Bark: colour	brown		
☐ Branch: pattern of tree bark cracks	rough		
☐ Branch: colour of new shoot (RHS)	11C		
☐ Branch: colour of two year old branch	143B		
☐ Leaf: shape	linear		
☐ Leaf: shape of apex	acute		
☐ Leaf: shape of cross section	compressed		
☐ Leaf: shape of base	cuniform		

☐ Leaf: length	short		
☐ Leaf: width	medium		
☐ Leaf: curvature	absent		
☒ New Leaf: colour (RHS)	N144C	46C	1C
☐ Leaf: colour in winter (RHS)	139A with margin 6D		
☒ Leaf: position of variegation	entire leaf	absent	
☒ Leaf: pattern of variegation	cover weel (marginal)		albino
☐ Leaf: colour of variegation	yellow white		
☐ Flower: sex distinction	female		
☐ Fruit: shape of seeds	globose		
☐ Fruit: shape of receptacle	cylindrical,long,cylindrical,long,cylindrical,long,cylindrical,long		
☐ Fruit: length of seeds	short		
☐ Fruit: length of receptacle	medium		
☐ Fruit: width of receptacle	broad		
☐ Fruit: colour of seeds (RHS)	137C		
☐ Fruit: colour of receptacle (RHS)	N186B		
☐ Plant: growth vigour	medium		
☐ Plant: difficulty of rooting	medium		
☐ Time of: fruiting	medium		
☐ Fruiting: abundance of fruit	medium		
☐ Plant: degree of cladoptosis	weak		

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2017	pending	'Miu'
Japan	2010	granted	'Miu'
USA	2015	granted	'Miu'

First sold as 'Miu' on 1st Feb 2016 in Japan

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

Podocarpus macrophyllus variety 'Miu'

Details of Application

Application Number	2019/112
Variety Name	'GoldNugget'
Genus Species	*Sempervivum* hybrid
Accepted Date	05-Jul-2019
Applicant	Christopher M. Hansen, Zeeland, Michigan, USA
Agent	Sprint Horticulture Pty Ltd, Peats Ridge, NSW
Qualified Person	Ian Paananen

Details of Comparative Trial

Overseas Testing Authority	PVPO, Japan
Overseas Data Reference Number	Application No. 33118 (Registration No. 29371)
Location	Ibaraki, Japan
Descriptor	Sempervivum Test Guideline in Japan (2015)
Period	2020-2021
Conditions	as per test report
Trial Design	as per test report
Measurements	as per test report
RHS Chart - edition	2015

Origin and Breeding

Spontaneous mutation: 'Ruby Heart'. The seed parent is characterised by burgundy red central rosette colour and a blue grey secondary leaf colour. Selection took place in Hudsonville, Michigan, USA in 2014. Selection criteria: golden green central rosette colour with dark red picotee margin combined with vigorous plant growth. Propagation: vegetative cuttings are found to be uniform and stable. Breeder: Christopher M. Hansen, Michigan, USA.

Choice of Comparators:

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	height	short
Plant	number of leaves	few to medium
Plant	density of leaf at centre of plant	medium

Outer leaf	length	short
Outer leaf	presence of secondary colour on upper side	present
Inner leaf	presence of secondary colour on upper side in winter	present
Inner leaf	main colour of upper side in winter	144B
Inner leaf	distribution of secondary colour on upper side in winter	at apex

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Guillaume'	
'Noir'	

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

Organ/Plant Part: Context	'GoldNugget'	'Guillaume'	'Noir'
☐ Plant: height	short	short	short

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'GoldNugget'	'Guillaume'	'Noir'
☐ Outer leaf : secondary colour on upper side in winter (RHS)	present		
☐ Outer leaf : distribution of secondary colour on upper side in winter	at base		
☐ Outer leaf : secondary colour on upper side (RHS)	60A		
☐ Outer leaf : distribution of secondary colour on upper side	at base		
☐ Outer leaf : relative area of secondary colour on upper side	medium		

☐ Outer leaf : tertiary colour on upper side (RHS)	163D
☐ Outer leaf : distribution of tertiary colour on upper side	at apex
☐ Outer leaf : relative area of tertiary colour on upper side	medium
☐ Outer leaf : presence of secondary colour on lower side	present
☐ Outer leaf : main colour of lower side (RHS)	60A
☐ Outer leaf : secondary colour on lower side (RHS)	144B
☐ Outer leaf : distribution of secondary colour on lower side	at apex
☐ Outer leaf : relative area of secondary colour on lower side	small
☐ Outer leaf : tertiary colour on lower side (RHS)	163D
☐ Outer leaf : distribution of tertiary colour on lower side	at apex
☐ Outer leaf : relative area of tertiary colour on lower side	medium
☐ Inner leaf : presence of secondary colour on upper side	present
☐ Inner leaf : main colour of upper side (RHS)	59A
☐ Inner leaf : secondary colour on upper side (RHS)	138C
☐ Inner leaf : distribution of secondary colour on upper side	at apex
☐ Inner leaf : relative area of secondary colour on upper side	medium

☐ Inner leaf : presence of secondary colour on lower side	present
☐ Inner leaf : main colour of lower side (RHS)	59A
☐ Inner leaf : secondary colour on lower side (RHS)	138C
☐ Inner leaf : distribution of secondary colour on lower side	at apex
☐ Inner leaf : relative area of secondary colour on lower side	medium
☐ Young plant: colour of leaf compared with mother plant	similar
☐ Inner leaf : density of pubescence on upper side	absent or sparse
☐ Inner leaf : density of pubescence on lower side	absent or sparse
☐ Inner leaf: length of pubescence on margin	absent or short
☐ Inner leaf : length of pubescence on tip	absent or short
☐ Inner leaf : relative area of secondary colour on lower side in winter	medium
☐ Inner leaf : distribution of secondary colour on lower side in winter	at apex,
☐ Plant: width without young plant	narrow to medium
☐ Plant: number of leaves	few to medium
☐ Plant: density of leaf at centre of plant	medium
☐ Outer leaf: length	short
☐ Outer leaf: width	narrow to medium

☐ Outer leaf: thickness	thin		
☐ Outer leaf: ratio thickness: width	very low to low		
☐ Outer leaf: shape of apex	moderately acute		
☐ Outer leaf: longitudinal axis	moderately incurved		
☐ Inner leaf: presence of secondary colour on upper side in winter	present		
☐ Inner leaf: main colour of upper side in winter (RHS)	144B		
☒ Inner leaf: secondary colour on upper side in winter (RHS)	43A	N79A	N79A
☐ Inner leaf : distribution of secondary colour on upper side in winter	at apex		
☐ Inner leaf: relative area of secondary colour on upper side in winter	medium		
☐ Inner leaf: tertiary colour on upper side in winter (RHS)	21C		
☐ Inner leaf : distribution of tertiary colour on upper side in winter	at apex		
☐ Inner leaf : relative area of tertiary colour on upper side in winter	medium		
☐ Inner leaf : presence of secondary colour on lower side in winter	present		
☐ Inner leaf : main colour of lower side in winter (RHS)	144B		
☒ Inner leaf : secondary colour on lower side in winter (RHS)	43A	N79A	N79A
☐ Inner leaf : tertiary colour on lower side in winter (RHS)	21C,		
☐ Inner leaf : distribution of tertiary colour on lower side in winter	at apex		

☐ Inner leaf : relative area of tertiary colour on lower side in winter	medium		
☐ Outer leaf : presence of secondary colour on upper side	present		
☐ Outer leaf : main colour of upper side (RHS)	195B		
☒ Outer leaf: shape	oblanceolate	narrow oblong	narrow elliptic

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2017	pending	'Gold Nugget'
Canada	2017	granted	'Gold Nugget'
USA	2016	granted	'Gold Nugget'

First sold in USA on 1st Sep 2016 as Chick Charms® 'Gold Nugget'

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

(Plant) candidate variety: Gold Nugget

(Outer leaf) candidate variety: Gold Nugget

Sempervivum hybrid 'GoldNugget'

Details of Application

Application Number	2019/139
Variety Name	'PBA Amberley'
Genus Species	*Vicia faba*
Common Name	Field Bean
Synonym	Amberley
Accepted Date	20-Aug-2019
Applicant	The University of Adelaide, Adelaide, South Australia, Grains Research and Development Corporation, Barton, ACT
Agent	The University of Adelaide, Adelaide, South Australia
Qualified Person	Jeffrey Paull

Details of Comparative Trial

Location	Charlick Experimental Farm, Strathalbyn, South Australia
Descriptor	Field bean (Vicia faba) UPOV TG/8/6
Period	May - December 2019
Conditions	Field plots 5m long x 6 rows, 25 cm spacing between rows. Sown at 25 seeds/sq m into uncultivated field with standard fertiliser, herbicide and insecticide application as per commercial faba bean production. Rain-fed, average winter but below spring rainfall. Harvested with a plot harvester at maturity.
Trial Design	Randomised complete block with 4 replications.
Measurements	Days from sowing to 50% of plants with open flowers. Node of first flower, main stem of 10 plants per plot. Leaflet length and leaflet width (for basal leaflet) and leaflets per leaf, mid canopy height during advanced flowering period for 10 plants per plot. Pod length and seeds per pod for 25 mature pods per plot sampled from the main stem at mid-canopy height prior to harvest. Seed weight (weight per 100 seeds) following harvest.
RHS Chart - edition	

Origin and Breeding

Controlled pollination between 'PBA Rana' (maternal parent) and breeding line Farah/1322 (pollinator) at Waite Campus in 2007. F3 plants tested for resistance to *Ascochyta* blight (pathotype 1) in 2009 and resistant plants were retained and grown in a bee-proof screenhouse to ensure self-fertilization. The selected plants were progeny tested for

resistance to Ascochyta blight in 2010 and homozygous lines were retained and grown to maturity in a screenhouse. Following harvest, seed was assessed for visual quality traits and lines with poor quality were discarded. The remaining families were tested for resistance to chocolate spot in controlled conditions in 2011 and selected families were multiplied in pedigree blocks in a birdcage at Waite Campus in 2011. Families were harvested individually and a portion of harvested seed of each family was retained in a seed store for later multiplication, while the remainer of the seed was used to sow yield trials commencing in 2012. Selection AF11023 was multiplied in an isolated field plot in 2014, sown with seed from the 2011 multiplication. All subsequent multiplications of AF11023 were sown with seed derived from the 2014 plot and were grown in isolation of other faba beans to minimise the risk of genetic contamination through cross-pollination. AF11023 was then named 'PBA Amberley'. Breeder: Dr Jeffrey Paull, The University of Adelaide, Adelaide, South 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
Wing	Melanin spot	Present
Standard	Anthocyanin colouration	Present
Plant	Growth type	Indeterminate
Dry seed	Colour of testa	Beige

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Farah'	
'PBA Marne'	
'PBA Rana'	
'PBA Samira'	
'PBA Zahra'	medium to high seed weight classification, but smaller than PBA Rana (see PBA Zahra PBR application)

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 Rana'	SeedWeight	Medium	Medium to high	'PBA Zahra' while also

classified as medium to high is smaller than 'PBA Rana', so 'PBA Zahra' was selected to represent the medium to high classification.

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

Organ/Plant Part: Context	'PBA Amberley'	'Farah'	'P'BA Marne'	'PBA Samira'	'PBA Zahra'
☐ Foliage: colour	dark green	dark green	dark green	dark green	dark green
☒ *Time of: flowering	medium to late	early to medium	early to medium	medium to late	medium to late
☒ *Leaflet: length	medium to long	medium to long	medium to long	short	medium
☒ *Leaflet: width	medium	medium	medium	medium to broad	medium
☐ *Wing: melanin spot	present	present	present	present	present
☐ Wing: colour of melanin spot	black	black	black	black	black
☐ *Standard: anthocyanin colouration	present	present	present	present	present
☐ *Plant: height	medium to tall	medium to tall	medium to tall	medium to tall	medium to tall
☒ *Pod: length	medium	medium to long	medium	medium	medium to long
☒ *Dry seed: 100 seed weight	medium	medium	medium	medium	medium to high
☐ *Dry seed: colour of testa	beige	beige	beige	beige	beige
☐ Dry seed: black pigmentation of hilum	present	present	present	present	present

Statistical Table

Organ/Plant Part: Context	'PBA Amberley'	'Farah'	'P'BA Marne'	'PBA Samira'	'PBA Zahra'
☒ Flower: 50% flowering (days)					
Mean	96.50	86.50	86.80	90.00	92.30
Std. Deviation	0.58	1.73	2.06	0.00	1.50
Lsd/sig	2.79	P≤0.01	P≤0.01	P≤0.01	P≤0.01
☒ Flower: Lowest node to flower					
Mean	10.80	7.15	7.00	8.63	8.30
Std. Deviation	1.05	1.03	1.03	0.93	0.82
Lsd/sig	0.49	P≤0.01	P≤0.01	P≤0.01	P≤0.01
☒ Pod: Length (mm)					
Mean	66.30	70.10	61.60	66.50	73.20
Std. Deviation	6.26	9.30	9.30	6.14	7.96
Lsd/sig	3.92	ns	P≤0.01	ns	P≤0.01
☒ Pod: Seeds/pod					
Mean	2.87	3.26	2.83	3.02	3.16
Std. Deviation	0.44	0.59	0.53	0.46	0.49
Lsd/sig	0.19	P≤0.01	ns	ns	P≤0.01
☒ Seed: Weight per 100 seeds (g)					
Mean	61.80	58.00	60.30	60.80	68.40
Std. Deviation	1.31	0.77	0.84	3.46	1.48
Lsd/sig	3.15	P≤0.01	ns	ns	P≤0.01

Prior Applications and Sales:

No prior sale or applications.

Description: **Jeffrey Paull**, The University of Adelaide

Vicia faba (Field Bean) variety ‘PBA Amberley’ with comparators ‘Farah’, ‘P’BA Marne’, ‘PBA Samira’ and ‘PBA Zahra’

Details of Application

Application Number	2019/169
Variety Name	'Sunpapri'
Genus Species	*Mandevilla* hybrid
Common Name	Mandevilla
Accepted Date	10-Oct-2019
Applicant	Suntory Flowers Limited, Tokyo, JAPAN
Agent	Tim Angus, Lower Hutt, NEW ZEALAND
Qualified Person	Tim Angus

Details of Comparative Trial

Location	Yellow Rock, NSW
Descriptor	tg298
Period	October 2023 to April 2024
Conditions	Trail conducted in greenhouse with shade and cooling available 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	Candidate and comparator in separate blocks grown next to each other; 15 plants of each
Measurements	Observations taken from 10 plants from each block chosen at random.
RHS Chart - edition	2001

Origin and Breeding

Controlled pollination - The new variety 'Sunpapri' developed from a controlled pollination between proprietary *Mandevilla* selection 'M-7' (maternal parent) and proprietary *Mandevilla* selection '04M11-2' (paternal parent) carried out during May 2009 in Higashiomi, Shiga, Japan. The new variety was selected from a seedling population during September 2010 in Higashiomi, Shiga, Japan. Selection criteria included plant habit, branching habit, and flower size and colour. First vegetative propagation occurred in September 2010 in Higashiomi, Shiga, Japan. Since September 2010 many generations of vegetative propagation, more than 10, has shown the new variety to be uniform and stable. Breeder: Tomoya Misato, Suntory Flowers Limited, Tokyo JAPAN.

Choice of Comparators

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	growth habit	lianous
Corolla lobe	main colour of upper side	pink group

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Sunmandeho'	young flowers with pink colouration similar to flower colour of candidate
'Beauty Queen'	Pink group corolla colour
'Magic Dream'	pink group corolla colour
'Alegnuflora999'	Pink group corolla colour

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
'Beauty Queen'	Corolla	colour of lower side	19D (light yellow orange) ageing to 159D (light yellow orange	69B (light blue pink)	The underside of the corolla in the candidate is noticeably yellow toned while Beauty Queen is blue/pink toned
'Magic Dream'	Corolla	colour of lower side	19D (light yellow orange) ageing to 159D (light yellow orange	69D (light blue pink)	The underside of the corolla in the candidate is noticeably yellow toned while Magic Dream is blue/pink toned
'Alegnuflora999'	Corolla	main colour upper side	RHS N27A ages to N27C Orange light pink	RHS 65B Light blue pink	

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

Organ/Plant Part: Context	'Sunpapri'	'Sunmandeho'

☐ Plant: growth habit	lianous	lianous
☐ Plant: vigour	very strong	very strong
☐ Stem: diameter	narrow to medium	narrow to medium
☒ Stem: mature stem colour (RHS colour chart)	RHS 177D	RHS 174B with background 144B
☐ Stem: young stem colour (RHS colour chart)	RHS N144C	RHS 144B
☐ Stem: lenticel	present	present
☐ Stem: degree of branching	medium	medium
☐ Stem: length of internode	medium	medium
☐ Leaf: phyllotaxis	opposite	opposite
☐ Leaf: length	medium	medium to long
☐ Leaf: width	narrow to medium	medium
☐ Leaf: shape of base	cordate	cordate
☐ Leaf: shape of apex	acuminate	acuminate
☐ Leaf: margin	entire	entire
☐ Leaf: colour of upper side (RHS colour chart)	closest to RHS 144A	closest to 146A
☐ Leaf: colour of lower side (RHS colour chart)	RHS 146B	closest to 146B
☐ Leaf: rugosity	absent or very weak	absent or very weak
☐ Leaf: glossiness of upper side	strong	strong
☐ Leaf: variegation	absent	absent
☐ Petiole: length	short	short
☐ Petiole: diameter	medium	medium to broad
☐ Petiole: colour (RHS colour chart)	RHS 145B	RHS 144A
☐ Inflorescence: number of flowers	high	high
☐ Inflorescence: colour of peduncle (RHS colour chart)	RHS 145A	RHS 144B

☒ Inflorescence: intensity of anthocyanin colouration of peduncle	medium to strong	absent or very weak to weak
☐ Flower bud: length	medium to long	medium to long
☐ Flower bud: width	medium to broad	medium to broad
☒ Flower bud: colour before maturity (RHS colour chart)	RHS 150B	RHS 149D
☐ Flower bud: prominence of anthocyanin colouration	very weak to weak	very weak
☐ Flower: type	single	single
☐ Flower: form	campanulate	campanulate
☐ Flower: attitude	horizontal	horizontal to slightly upward
☐ Flower: diameter	broad	broad
☒ Flower: length of tube	short to medium	medium to long
☒ Flower: colour of upper side (RHS colour chart)	RHS N27A ages to N27C	RHS 155C with 62C when first opening
☒ Flower: colour of lower side (RHS colour chart)	RHS 19D ages to 159D	RHS 155C
☒ Flower: colour of inner corolla throat (RHS colour chart)	RHS N25B with N25A, deeper into throat RHS 12A then RHS 14A at base	RHS 15A
☒ Flower: colour of outer corolla throat (RHS colour chart)	RHS 4D changing to RHS 4C further into throat with base area of 150B	RHS 155C
☐ Flower: overlapping of corolla lobes	present	present
☐ Flower: length of pedicel	medium to long	medium to long
☐ Flower: fragrance	absent or very weak	absent or very weak
☐ Flower: length of corolla lobe	long	long
☐ Flower: width of corolla lobe	medium to broad	broad
☐ Flower: number of corolla lobe	5	5

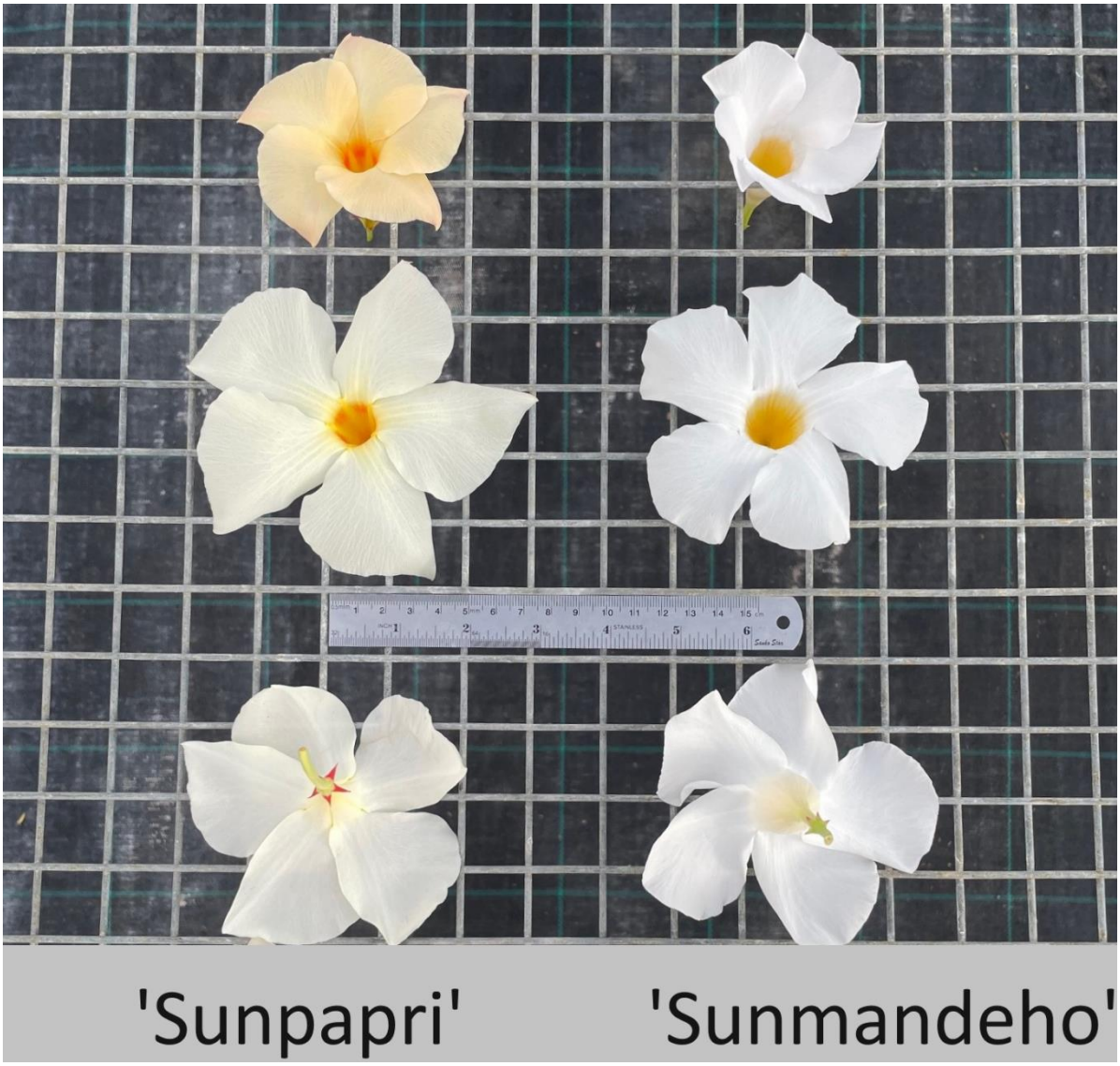
☒ Flower: overall shape of corolla lobe	asymmetric	orbicular
☐ Flower: undulation of corolla lobe margin	medium	medium
☐ Flower: reflexing of corolla lobe margin	medium	medium
☒ Flower: length of sepal	medium to long	short
☐ Flower: width of sepal	narrow to medium	narrow
☐ Flower: colour of sepal	RHS 144D	RHS 144B
☐ Flower: intensity of anthocyanin colouration of sepal	strong to very strong	strong
☐ Flower: pistil	present	present
☐ Flower: anther appendage	present	absent

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Sunpapri'	'Sunmandeho'
☒ Flower: shape of corolla lobe apex	acute	obtusely acute
☒ Stem: lenticel number	few	many
☐ Leaf: shape of blade	elliptic to oblong	elliptic
☒ Leaf: intensity of anthocyanin colouration of midrib (lower side) on immature leaf	strong to very strong	absent or very weak to weak
☐ Leaf: intensity of anthocyanin colouration of midrib (lower side) on mature leaf	absent or very weak to weak	absent or very weak to weak

Prior Applications and Sales:

Country	Year	Status	Name Applied
USA	2016	Granted	'Sunpapri'
Japan	2017	Granted	'Sunpapri'
EU	2017	Granted	'Sunpapri'



Mandevilla (*Mandevilla* hybrid) – Candidate ‘Sunpapri’ showing differences in floral characteristics with comparator ‘Sunmandeho’

Details of Application

Application Number	2019/235
Variety Name	'Plablack 15157'
Genus Species	*Rubus* subg. *Rubus*
Common Name	Blackberry
Accepted Date	05-Dec-2019
Applicant	Plantas de Navarra, S.A. (PLANASA) Sociedad Unipersonal, Ctra. San Adrian, Km 1, Navarra, Spain
Agent	Foote Intellectual Property Limited, PO Box 3012, Lower Hutt, New Zealand
Qualified Person	Ian Paananen

Details of Comparative Trial

Overseas Testing Authority	Bundessortenamt, Germany
Overseas Data Reference Number	BMB 129
Location	Prufstelle Wursen, Germany
Descriptor	UPOV/TG/73/7
Period	2020-2021
Conditions	as per UPOV test guidelines
Trial Design	as per UPOV test guidelines
Measurements	as per UPOV test guidelines
RHS Chart - edition	n/a

Origin and Breeding

Controlled pollination: '14-101R' seed parent x '13-135R' pollen parent in a planned breeding program at Cartaya (Huelva), Spain: in 2015. Both parents are non-commercial varieties within the breeding programme. The seed parent is characterised by a medium leaf glossiness and green colour and petal colour white with violet tinge. The pollen parent is characterised by a broad, white coloured petals. Selection took place at Cartaya (Huelva), Spain in 2017. Selection criteria: precocity, desirable fruit quality (shape, size, colour, taste, flavour, firmness) and commercial yield. Propagation: vegetative by cuttings, micropropagation and division. Breeder: Alexandre Pierron-Darbonne, Plantas de Navarra, S.A. (PLANASA) Sociedad Unipersonal, Navarra, 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
Plant	growth habit	semi-upright
Dormant cane	spines	present
Leaf	predominant number of leaflets	five
Leaf	type	palmate
Plant	time of beginning of flowering on previous year's cane	very early to early
Plant	time of beginning of fruit ripening on previous year's cane	late

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
bm718-6 (BMB 105)	
bm718-2 (BMB 115)	

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

Organ/Plant Part: Context	'Plablack 15157'	'bm718-2'	'bm718-6'
☐ *Plant: growth habit	semi-upright		
☐ Plant: number of new canes	medium to many		
☐ Dormant cane: length	medium to long		
☐ Dormant cane: diameter	medium to large		
☐ *Dormant cane: anthocyanin colouration	very weak to weak		
☐ Dormant cane: number of branches	few to medium		
☐ Dormant cane: predominant distribution of branches	over whole length		
☐ *Dormant cane: cross section	angular to grooved		
☐ *Dormant cane: spines	present		

☐	Dormant cane: number of spines	medium to many		
☐	*Spine: size	medium to large		
☐	Spine: attitude of apex in relation to cane	downwards		
☐	Young shoot: anthocyanin colouration	weak to medium		
☐	Young shoot: intensity of green colour	medium		
☐	Young shoot: number of glandular hairs	absent or few		
☐	Terminal leaflet: length	medium to long		
☐	Terminal leaflet: width	medium to broad		
☐	Terminal leaflet: lobing	absent		
☐	Terminal leaflet: shape in cross-section	v-shaped		
☐	Terminal leaflet: undulation of margin	weak		
☐	Terminal leaflet: blistering between veins	medium to strong		
☐	Leaflet: type of incision of margin	bi-serrate		
☐	Leaflet: depth of incisions	medium to deep		
☐	*Leaf: predominant number of leaflets	five		
☐	*Leaf: type	palmate		
☐	Leaf: intensity of green colour of upper side	medium		
☐	Leaf: glossiness of upper side	medium to strong		
☐	Petiole: size of stipules	medium		
☐	Flower: diameter	large		
☒	Flower: colour of petal	pinkish	white	white
☐	Fruit: length	medium to long		
☐	Fruit: width	medium to broad		
☐	Fruit: ratio length/width	medium		
☐	Fruit: number of drupelets	many		

☐ Fruit: size of drupelet	many
☐ *Fruit: shape in longitudinal section	narrow ovate
☐ Fruit: colour	black
☐ Time of: leaf bud burst	very early
☐ *Fruiting: on current year's cane	present
☐ *Time of: beginning of flowering on previous year's cane	very early to early
☐ Time of: beginning of flowering on current year's cane (varieties which fruit on current year's cane only)	late
☐ *Time of: beginning of fruit ripening on previous year's cane	late
☐ Time of: beginning of fruit ripening on current year's cane (varieties which fruit on current year's cane only)	late

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2018	Granted	'Plablack 15157'
Mexico	2019	Granted	'Plablack 15157'
USA	2019	Granted	'Plablack 15157'

Prior Sales: Nil

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

Blackberry (*Rubus* subg. *Rubus*) variety ‘Plablack 15157’

Details of Application

Application Number	2019/236
Variety Name	'Plablue 1542'
Genus Species	*Vaccinium corymbosum*
Common Name	Blueberry
Accepted Date	02-Dec-2019
Applicant	Plantas de Navarra, S.A. (PLANASA) Sociedad Unipersonal, Ctra. San Adrian, Km 1, Navarra, Spain
Agent	Foote Intellectual Property Limited, PO Box 3012, Lower Hutt, New Zealand
Qualified Person	Ian Paananen

Details of Comparative Trial

Overseas Testing Authority	DGAV – DVS, Portugal
Overseas Data Reference Number	2018/2072
Location	NECE-ESCAROUPIM, Portugal
Descriptor	TP/137/1
Period	2019-2022
Conditions	as per UPOV Technical Guidelines
Trial Design	as per UPOV Technical Guidelines
Measurements	as per UPOV Technical Guidelines
RHS Chart - edition	n/a

Origin and Breeding

Controlled pollination: '14.027.001' seed parent x '14.049.001' pollen parent in a planned breeding program at Cartaya (Huelva), Spain: in 2015. Both parents are non-commercial varieties within the breeding programme. The seed parent is characterised by large corolla tube size, medium fruit size and round fruit shape. The pollen parent is characterised by entire leaf margins and short internode length on one year old shoots. Selection took place at Cartaya (Huelva), Spain in 2017. Selection criteria: early time of ripening, precocity, fruit quality (shape, size, colour, taste, flavour, firmness) and commercial yield. Propagation: vegetative by cuttings. Breeder: Alexandre Pierron-Darbonne, Plantas de Navarra, S.A. (PLANASA) Sociedad Unipersonal, Navarra, 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
Plant	growth habit	semi-upright
Leaf	shape	elliptic
Fruit	size	large to very large
Fruit	shape in longitudinal section	oblate
Fruit	intensity of bloom	strong
Fruit	colour of skin	dark blue

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'15.07.018'	
'15.07.005'	
'15.09.020'	
'15.10.86'	

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

Organ/Plant Part: Context	'Plablue 1542'	'15.07.005'	'15.07.018'	'15.09.020'	'15.10.86'
☐ *Plant: vigour	medium				
☐ *Plant: growth habit	semi-upright				
☒ One-year-old shoot: colour	green	greenish red			greenish red
☒ One-year-old shoot: length of internode	medium to long	short to medium	short to medium	short to medium	short to medium
☒ *Leaf: length	long to very long	medium to long	medium to long		
☒ Leaf: width	broad		narrow		
☐ Leaf: ratio length/width	large				

☐ *Leaf: shape	elliptic				
☐ Leaf: colour of upper side	green				
☐ *Leaf: intensity of green colour on upper side (varieties with green leaf colour only)	light				
☒ *Leaf: margin	entire	serrate	serrate		serrate
☒ Flower bud: anthocyanin colouration	weak to medium	medium to strong			
☐ Inflorescence: length	medium to long				
☐ *Flower: size of corolla tube	medium to large				
☒ *Flower: anthocyanin colouration of corolla tube	absent or very weak		weak		
☐ Flower: ridges on corolla tube	present				
☒ Fruit cluster: density	medium			sparse	very sparse
☐ *Unripe fruit: intensity of green colour	medium to dark				
☐ *Fruit: size	very large				
☐ *Fruit: shape in longitudinal section	oblate				
☒ Fruit: type of sepals	incurving			reflexed	
☐ Fruit: diameter of calyx basin	large				
☒ Fruit: depth of calyx basin	very deep		medium	shallow to medium	shallow
☐ *Fruit: intensity of bloom	strong				
☐ *Fruit: colour of skin	dark blue				
☐ Fruit: firmness	soft to medium				
☐ *Fruit: sweetness	medium				
☐ *Fruit: acidity	very low to low				

☐ *Plant: fruiting type	on one-year-old and current season's shoots				
☒ *Time of: vegetative bud burst	medium	very early to early			
☒ *Time of: beginning of flowering on one-year-old shoot	medium		early	very early to early	very early
☒ *Time of: beginning of flowering on current year's shoot (varieties which fruit on one-year-old and current season's shoots only)	medium			early	early
☒ *Time of: beginning of fruit ripening on one-year-old shoot	early			very early to early	very early
☐ *Time of: beginning of fruit ripening on current year's shoot (varieties which fruit on one-year-old and current season's shoots)	early to medium			early	early

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Plablue 1542'	'15.07.005'	'15.07.018'	'15.09.020'	'15.10.86'
☒ Flower: shape of corolla	ellipsoid	urceolate		cylindric	
☒ Fruit: attitude of sepals	semi-erect to horizontal		semi-erect	erect	

Prior Applications and Sales:

Country	Year	Status	Name Applied
Colombia	2020	Applied	'Plablue 1542'
EU	2018	Granted	'Plablue 1542'
Mexico	2019	Granted	'Plablue 1542'
USA	2019	Applied	'Plablue 1542'

Prior Sales: Nil

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

Blueberry (*Vaccinium corymbosum*) variety ‘Plablue 1542’

Details of Application

Application Number	2019/237
Variety Name	'Plablue 1545'
Genus Species	*Vaccinium corymbosum*
Common Name	Blueberry
Accepted Date	02-Dec-2019
Applicant	Plantas de Navarra, S.A. (PLANASA) Sociedad Unipersonal, Ctra. San Adrian, Km 1, Navarra, Spain
Agent	Foote Intellectual Property Limited, PO Box 3012, Lower Hutt, New Zealand
Qualified Person	Ian Paananen

Details of Comparative Trial

Overseas Testing Authority	DGAV - DVS
Overseas Data Reference Number	2018/2073
Location	NECE-ESCAROUPIM
Descriptor	TP/137/1 Final
Period	2019-2022
Conditions	as per UPOV Technical Guidelines
Trial Design	as per UPOV Technical Guidelines
Measurements	as per UPOV Technical Guidelines
RHS Chart - edition	

Origin and Breeding

Controlled pollination: '14.027.001' seed parent x '14.049.001' pollen parent in a planned breeding program at Cartaya (Huelva), Spain: in 2015. Both parents are non-commercial varieties within the breeding programme. The seed parent is characterised by large corolla tube size, medium fruit size, fruit with a deep calyx basin and round fruit shape. The pollen parent is characterised by fruit with a shallow calyx basin and short internode length on one year old shoots. Selection took place at Cartaya (Huelva), Spain in 2017. Selection criteria: early time of ripening, precocity, fruit quality (shape, size, colour, taste, flavour, firmness) and commercial yield. Propagation: vegetative by cuttings. Breeder: Alexandre Pierron-Darbonne, Plantas de Navarra, S.A. (PLANASA) Sociedad Unipersonal, Navarra, 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
Plant	growth habit	upright to semi-upright
Leaf	shape	elliptic
Fruit	shape in longitudinal section	oblate
Fruit	intensity of bloom	strong
Fruit	colour of skin	dark blue

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'15.07.018'	
'15.09.003'	
'15.10.86'	
'15.106.109'	

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
'15.09.020'	Time of beginning of flowering on one-year-old shoot	very early to early	very 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	'Plablue 1545'	'15.07.018'	'15.09.003'	'15.10.86'	'15.106.109'
☐ *Plant: vigour	strong				
☐ *Plant: growth habit	upright				
☒ One-year-old shoot: colour	green			greenish red	greyish red

☒ One-year-old shoot: length of internode	short to medium		medium to long		
☐ *Leaf: length	long				
☒ Leaf: width	medium	narrow			
☐ Leaf: ratio length/width	large				
☐ *Leaf: shape	elliptic				
☐ Leaf: colour of upper side	green				
☐ *Leaf: intensity of green colour on upper side (varieties with green leaf colour only)	dark				
☒ *Leaf: margin	entire	serrate		serrate	serrate
☐ Flower bud: anthocyanin colouration	weak to medium				
☐ Inflorescence: length	medium to long				
☐ Flower: shape of corolla	cylindrical				
☒ *Flower: size of corolla tube	medium to large				small to medium
☒ *Flower: anthocyanin colouration of corolla tube	weak			absent or very weak	
☒ Flower: ridges on corolla tube	present				absent
☒ Fruit cluster: density	sparse		medium	very sparse	
☐ *Unripe fruit: intensity of green colour	light to medium				
☐ *Fruit: size	large				
☐ *Fruit: shape in longitudinal section	oblate				
☒ Fruit: attitude of sepals	erect	semi-erect			
☒ Fruit: type of sepals	reflexed		incurving	incurving	incurving

☒ Fruit: diameter of calyx basin	medium to large				small
☒ Fruit: depth of calyx basin	shallow to medium	medium	very deep		medium to deep
☐ *Fruit: intensity of bloom	strong				
☐ *Fruit: colour of skin	dark blue				
☐ Fruit: firmness	very soft to soft				
☐ *Fruit: sweetness	low				
☐ *Fruit: acidity	low				
☐ *Plant: fruiting type	on one-year-old and current season's shoots				
☐ *Time of: vegetative bud burst	early to medium	medium			
☒ *Time of: beginning of flowering on one-year-old shoot	very early to early		medium		very early
☒ *Time of: beginning of flowering on current year's shoot (varieties which fruit on one-year-old and current season's shoots only)	early		medium		
☐ *Time of: beginning of fruit ripening on one-year-old shoot	very early to early	early	early	very early	
☐ *Time of: beginning of fruit ripening on current year's shoot (varieties which fruit on one-year-old and current season's shoots)	early	early to medium	early to medium		

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	**'Plablue 1545'**	**'15.07.018'**	**'15.09.003'**	**'15.10.86'**	**'15.106.109'**
☒ Flower: shape of corolla	cylindric	ellipsoid	ellipsoid	ellipsoid	ellipsoid

☒ Fruit: attitude of sepals	erect	semi-erect	semi-erect to horizontal	semi-erect to horizontal	semi-erect to horizontal

Prior Applications and Sales:

Country	Year	Status	Name Applied
Colombia	2020	Applied	'Plablue 1545'
EU	2018	Granted	'Plablue 1545'
Mexico	2019	Granted	'Plablue 1545'
USA	2019	Granted	'Plablue 1545'

Prior Sales: Nil

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

Blueberry (*Vaccinium corymbosum*) variety 'Plablue 1545'

Details of Application

Application Number	2019/238
Variety Name	'Plablue 1502'
Genus Species	*Vaccinium corymbosum*
Common Name	Blueberry
Accepted Date	02-Dec-2019
Applicant	Plantas de Navarra, S.A. (PLANASA) Sociedad Unipersonal, Ctra. San Adrian, Km 1, Navarra, Spain
Agent	Foote Intellectual Property Limited, PO Box 3012, Lower Hutt, New Zealand
Qualified Person	Ian Paananen

Details of Comparative Trial

Overseas Testing Authority	DGAV - DVS
Overseas Data Reference Number	2018/2063
Location	NECE-ESCAROUPIM, Portugal,
Descriptor	TP/137/1
Period	2019-2022
Conditions	as per UPOV Technical Guidelines
Trial Design	as per UPOV Technical Guidelines
Measurements	as per UPOV Technical Guidelines
RHS Chart - edition	n/a

Origin and Breeding

Controlled pollination: '14.012.001' seed parent x '14.09.001' pollen parent in a planned breeding program at Cartaya (Huelva), Spain: in 2015. Both parents are non-commercial varieties within the breeding programme. The seed parent is characterised by small corolla tube size and medium fruit size. The pollen parent is characterised by short inflorescence length and medium fruit size. Selection took place at Cartaya (Huelva), Spain in 2017. Selection criteria: early time of ripening, precocity, fruit quality (shape, size, colour, taste, flavour, firmness) and commercial yield. Propagation: vegetative by cuttings. Breeder: Alexandre Pierron-Darbonne, Plantas de Navarra, S.A. (PLANASA) Sociedad Unipersonal, Navarra, 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
Plant	vigour	medium to strong
Leaf	shape	elliptic
Leaf	colour of upper side	green
Fruit	size	large
Fruit	shape in longitudinal section	oblate

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Biloxi'	
'15.07.005'	
'15.09.003'	
'15.09.020'	
'15.10.086'	
'15.06.109'	

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

Organ/Plant Part: Context	'Plablue 1502'	'15.06.109'	'15.07.005'	'15.09.003'	'15.09.020'	'15.10.086'	'Biloxi'
☐ *Plant: vigour	medium to strong						
☒ *Plant: growth habit	upright			upright to semi-upright			
☒ One-year-old shoot: colour	green	greyish red	greenish red			greenish red	greyish red
☒ One-year-old shoot: length of internode	short to medium	very short to short		medium to long			

☒ *Leaf: length	medium to long			long to very long			short
☒ Leaf: width	narrow	medium	medium	broad	medium	medium to broad	
☒ Leaf: ratio length/width	large						small to medium
☐ *Leaf: shape	elliptic						
☐ Leaf: colour of upper side	green						
☐ *Leaf: intensity of green colour on upper side (varieties with green leaf colour only)	light to medium						
☒ *Leaf: margin	serrate			entire	entire		
☐ Flower bud: anthocyanin colouration	strong						weak
☐ Inflorescence: length	medium to long						
☐ *Flower: size of corolla tube	medium						
☒ *Flower: anthocyanin colouration of corolla tube	weak		absent or very weak	absent or very weak		absent or very weak	
☒ Flower: ridges on corolla tube	present	absent					
☒ Fruit cluster: density	medium					very sparse	
☒ *Unripe fruit: intensity of green colour	medium					light	
☐ *Fruit: size	large						

☐ *Fruit: shape in longitudinal section	oblate						
☒ Fruit: attitude of sepals	semi-erect				erect		erect
☐ Fruit: type of sepals	incurving						incurving
☐ Fruit: diameter of calyx basin	medium to large	small	large to very large				
☒ Fruit: depth of calyx basin	medium	medium to deep	deep to very deep	very deep	shallow to medium	shallow	shallow
☒ *Fruit: intensity of bloom	strong to very strong					medium	medium to strong
☐ *Fruit: colour of skin	dark blue						
☐ Fruit: firmness	soft						
☐ *Fruit: sweetness	medium to high						
☐ *Fruit: acidity	low to medium						
☐ *Plant: fruiting type	on one-year-old and current season's shoots						
☒ *Time of: vegetative bud burst	medium	early to medium	very early to early		early to medium	early to medium	very early to early
☒ *Time of: beginning of flowering on one-year-old shoot	early	very early	medium				
☐ *Time of: beginning of flowering on current year's shoot (varieties which fruit	early to medium						

on one-year-old and current season's shoots only)					
☒ *Time of: beginning of fruit ripening on one-year-old shoot	early		medium	very early to early	very early
☐ *Time of: beginning of fruit ripening on current year's shoot (varieties which fruit on one-year-old and current season's shoots)	early to medium	early		early	early

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Plablue 1502'	'15.06.109'	'15.07.005'	'15.09.003'	'15.09.020'	'15.10.086'	'Biloxi'
☒ Flower: shape of corolla	ellipsoid				cylindric		urceolate
☒ Fruit: attitude of sepals	**semi-erect**	semi-erect to horizontal	semi-erect to horizontal	semi-erect to horizontal	erect	semi-erect to horizontal	erect

Prior Applications and Sales:

Country	Year	Status	Name Applied
Colombia	2020	Applied	'Plablue 1502'
EU	2018	Granted	'Plablue 1502'
Mexico	2019	Granted	'Plablue 1502'
USA	2019	Grantedd	'Plablue 1502'

Prior Sales: Nil

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

Blueberry (*Vaccinium corymbosum*) variety ‘Plablue 1502’

Details of Application

Application Number	2019/239
Variety Name	'Plapink 1004'
Genus Species	*Rubus idaeus*
Common Name	Raspberry
Accepted Date	05-Dec-2019
Applicant	Plantas de Navarra, S.A. (PLANASA) Sociedad Unipersonal, Ctra. San Adrian, Km 1, Navarra, Spain
Agent	Foote Intellectual Property Limited, PO Box 3012, Lower Hutt, New Zealand
Qualified Person	Ian Paananen

Details of Comparative Trial

Overseas Testing Authority	Bundessortenamt
Overseas Data Reference Number	HMB 330
Location	Prufstelle Wursen
Descriptor	TG/43/7
Period	2020-2021
Conditions	as per UPOV Test guidelines
Trial Design	as per UPOV Test guidelines
Measurements	as per UPOV Test guidelines
RHS Chart - edition	n/a

Origin and Breeding

Controlled pollination: '0950' seed parent x '0919' pollen parent in a planned breeding program at Cartaya (Huelva), Spain: in 2010. Both parents are non-commercial varieties within the breeding programme. The seed parent is characterised by long leaf stipules, very broad terminal leaflet width and overlapping lateral leaflets. The pollen parent is characterised by light green coloured leaf inner side, large leaf length to width ratio, outward attitude of sepals on plug and overlapping lateral leaflets. Selection took place at Cartaya (Huelva), Spain in 2011. Selection criteria: early time of ripening, precocity, fruit quality (shape, size, colour, taste, flavour, firmness) and commercial yield. Propagation: vegetative by cuttings. Breeder: Alexandre Pierron-Darbonne, Plantas de Navarra, S.A. (PLANASA) Sociedad Unipersonal, Navarra, 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
Spines	presence	present
Very young shoot	anthocyanin colouration of apex during rapid growth	present
Fruit	colour	medium red
Plant	varieties which fruit on current season's cane in autumn: time of beginning of fruit ripening on current season's cane	early to medium
Fruit	main bearing type	only on current season's cane in autumn

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Lupita' (HMB 214)	
'Jade' (HMB 257)	

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

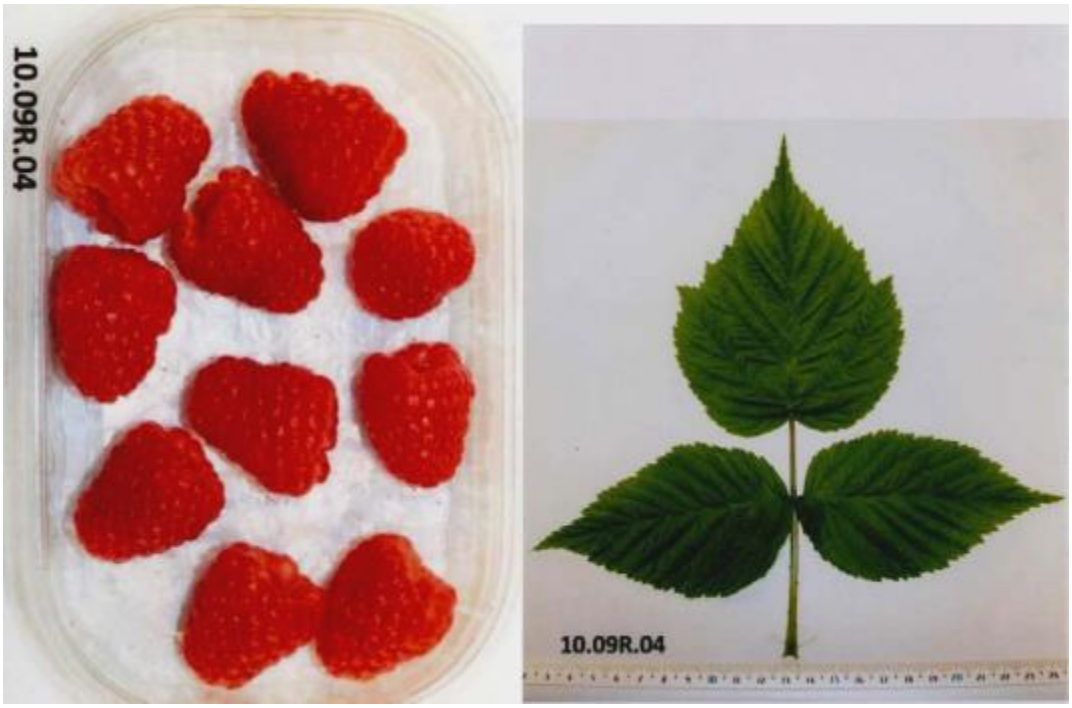
Organ/Plant Part: Context	'Plapink 1004'	'Jade' (HMB 257)	'Lupita' (HMB 214)
☐ Plant: habit	semi-upright		
☐ *Plant: number of current season's canes	medium		
☐ *Very young shoot: anthocyanin colouration of apex during rapid growth	present		
☐ *Very young shoot: intensity of anthocyanin colouration of apex during rapid growth	very weak to weak		
☒ Current season's cane: bloom	strong	medium	absent or very weak

Current season's cane: anthocyanin colouration	medium to strong
Current season's cane: length of internode	short to medium
Current season's cane: length of vegetative bud	medium
*Current season's cane: length (varieties which fruit on current season's cane in autumn)	medium
*Spines: presence	present
*Spines: density (varieties with spines present only)	medium to dense
Spines: size of base (varieties with spines present only)	medium to large
Spines: length (varieties with spines present only)	medium
Spines: colour (varieties with spines present only)	brownish purple
*Leaf: green colour of upper side	medium
*Leaf: predominant number of leaflets	three
Leaf: profile of leaflets in cross section	straight
*Leaf: rugosity	strong
Leaf: relative position of lateral leaflets	touching
Terminal leaflet: length	long
Terminal leaflet: width	medium to broad
Pedicel: number of spines	many to very many
*Peduncle: presence of anthocyanin colouration	present
*Peduncle: intensity of anthocyanin colouration	weak

☐ Flower: size	medium to large
☐ *Fruit: length	long
☐ *Fruit: width	broad
☐ *Fruit: ratio length/width	medium to large
☐ *Fruit: general shape in lateral view	broad conical
☐ Fruit: size of single drupe	large
☐ *Fruit: colour	medium red
☐ Fruit: glossiness	medium
☐ *Fruit: firmness	medium to firm
☐ Fruit: adherence to plug	medium
☐ *Fruit: main bearing type	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
☐ *Time of: beginning of flowering on current season's cane (varieties which fruit on current year's cane in autumn)	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
☐ Length of: fruiting period on current year's cane (varieties which fruit on current year's cane in autumn)	long

Prior Applications and Sales:

Country	Year	Status	Name Applied
USA	2020	Granted	‘Plapink 1004’
Mexico	2019	Granted	‘Plapink 1004’
EU	2022	Granted	‘Plapink 1004’



Raspberry (*Rubus idaeus*) variety ‘Plapink 1004’

Details of Application

Application Number	2019/240
Variety Name	'Plapink 0740'
Genus Species	*Rubus idaeus*
Common Name	Raspberry
Accepted Date	05-Dec-2019
Applicant	Plantas de Navarra, S.A. (PLANASA) Sociedad Unipersonal, Ctra. San Adrian, Km 1, Navarra, Spain
Agent	Foote Intellectual Property Limited, PO Box 3012, Lower Hutt, New Zealand
Qualified Person	Ian Paananen

Details of Comparative Trial

Overseas Testing Authority	Bundessortenamt
Overseas Data Reference Number	HMB 307
Location	Prufstelle Wursen
Descriptor	TG/43/7
Period	2019-2021
Conditions	as per UPOV Test guidelines
Trial Design	as per UPOV Test guidelines
Measurements	as per UPOV Test guidelines
RHS Chart - edition	

Origin and Breeding

Controlled pollination: '06.09R.84' seed parent x '06.13R.46' pollen parent in a planned breeding program at Cartaya (Huelva), Spain: in 2007. Both parents are non-commercial varieties within the breeding programme. The seed parent is characterised by predominantly five leaflets per leaf, broad and conical shaped fruit and small, rounded plugs. The pollen parent is characterised by a small leaf length to width ratio, broad and conical shaped fruit and medium sized, pyramid shaped plugs. Selection took place at Cartaya (Huelva), Spain in 2008. Selection criteria: precocity, fruit quality (shape, size, colour, taste, flavour, firmness) and commercial yield. Propagation: vegetative by cuttings. Breeder: Alexandre Pierron-Darbonne, Plantas de Navarra, S.A. (PLANASA) Sociedad Unipersonal, Navarra, 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
Very young shoot	anthocyanin colouration of apex during rapid growth	present
Spines	presence	present
Fruit	colour	medium red
Fruit	main bearing type	on previous season's cane in summer and on current season's cane in autumn
Plant	varieties which fruit on current season's cane in autumn: time of beginning of fruit ripening on current season's cane	very early to early
Plant	varieties which fruit on previous season's cane in summer: time of beginning of fruit ripening on previous season's cane	medium

Name	Comments
'Adelita' (HMB 213)	
'Lupita' (HMB 214)	

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

Organ/Plant Part: Context	'Plapink 0740'	'Adelita' (HMB 213)	'Lupita' (HMB 214)
☐ Plant: habit	upright		
☐ *Plant: number of current season's canes	few to medium		
☐ *Very young shoot: anthocyanin colouration of apex during rapid growth	present		
☐ *Very young shoot: intensity of anthocyanin colouration of apex during rapid growth	weak to medium		

☐ Current season's cane: bloom	absent or very weak	
☐ Current season's cane: anthocyanin colouration	weak to medium	
☐ Current season's cane: length of internode	short to medium	
☐ Current season's cane: length of vegetative bud	medium	
☐ *Dormant cane: length (varieties which fruit on previous season's cane in summer)	medium	
☐ *Current season's cane: length (varieties which fruit on current season's cane in autumn)	medium	
☐ *Dormant cane: colour (varieties which fruit on previous season's cane in summer)	purplish brown	
☐ *Spines: presence	present	
☒ *Spines: density (varieties with spines present only)	sparse	medium
☐ Spines: size of base (varieties with spines present only)	medium	
☐ Spines: length (varieties with spines present only)	very short to short	
☐ Spines: colour (varieties with spines present only)	brownish purple	
☐ *Leaf: green colour of upper side	medium to dark	
☐ *Leaf: predominant number of leaflets	three	
☐ Leaf: profile of leaflets in cross section	straight	
☐ *Leaf: rugosity	medium	
☐ Leaf: relative position of lateral leaflets	free	
☐ Terminal leaflet: length	long	
☐ Terminal leaflet: width	broad	

☐ Pedicel: number of spines	medium to many		
☐ *Peduncle: presence of anthocyanin colouration	present		
☒ *Peduncle: intensity of anthocyanin colouration	very weak to weak	medium to strong	
☐ Flower: size	medium to large		
☐ Fruiting lateral: attitude (varieties which fruit on previous year's cane in summer)	semi-erect		
☐ *Fruiting lateral: length (varieties which fruit on previous year's cane in summer)	long		
☐ *Fruit: length	long		
☐ *Fruit: width	broad		
☐ *Fruit: ratio length/width	medium to large		
☒ *Fruit: general shape in lateral view	conical		broad conical
☐ Fruit: size of single drupe	large		
☐ *Fruit: colour	medium red		
☐ Fruit: glossiness	strong		
☐ *Fruit: firmness	medium to firm		
☐ Fruit: adherence to plug	medium		
☐ *Fruit: main bearing type	both previous year's cone in summer & current year's cone in autumn		
☐ *Plant: time of vegetative bud burst (varieties which fruit on previous year's cane in summer)	medium to late		
☒ *Time of: cane emergence (varieties which fruit on current year's cane in autumn)	medium	very early to early	

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

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2017	Granted	'Plapink 0740'
Mexico	2018	Granted	'Plapink 0740'
USA	2018	Applied	'Plapink 0740'

Prior Sales: nil

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

Raspberry (*Rubus idaeus*) variety ‘Plapink 0740’

Details of Application

Application Number	2019/241
Variety Name	'Plablue 1525'
Genus Species	*Vaccinium corymbosum*
Common Name	Blueberry
Synonym	n/a
Accepted Date	06 Dec 2019
Applicant	Plantas de Navarra, S.A. (PLANASA) Sociedad Unipersonal, Ctra. San Adrian, Km 1, Navarra, Spain
Agent	Foote Intellectual Property Limited, PO Box 3012, Lower Hutt, New Zealand
Qualified Person	Ian Paananen

Details of Comparative Trial

Overseas Testing Authority	DGAV - DVS
Overseas Data Reference Number	2018/2070
Location	NECE-ESCAROUPIM
Descriptor	TP/137/1 Final
Period	2019-2022
Conditions	as per UPOV Technical Guidelines
Trial Design	as per UPOV Technical Guidelines
Measurements	as per UPOV Technical Guidelines
RHS Chart - edition	

Origin and Breeding

Controlled pollination: '14.01.001' seed parent x '14.08.001' pollen parent in a planned breeding program at Cartaya (Huelva), Spain: in 2015. Both parents are non-commercial varieties within the breeding programme. The seed parent is characterised by medium diameter of calyx basin and elliptic leaf shape. The pollen parent is characterised by medium depth of calyx basin and short internode length on one year old shoots. Selection took place at Cartaya (Huelva), Spain in 2017. Selection criteria: early time of ripening, precocity, fruit quality (shape, size, colour, taste, flavour, firmness) and commercial yield. Propagation: vegetative by cuttings. Breeder: Alexandre Pierron-Darbonne, Plantas de Navarra, S.A. (PLANASA) Sociedad Unipersonal, Navarra, 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
Fruit	size	large to very large
Fruit	shape in longitudinal section	oblate
Plant	vigour	strong
Plant	growth habit	upright
Leaf	shape	elliptic
Leaf	colour of upper side	green

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'15.09.003'	
'15.07.018'	
'15.10.86'	

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

Organ/Plant Part: Context	'Plablue 1525'	'15.07.018'	'15.09.003'	'15.10.86'
☐ *Plant: vigour	strong			
☐ *Plant: growth habit	upright			
☒ One-year-old shoot: colour	greenish red	green	green	
☒ One-year-old shoot: length of internode	short to medium		medium to long	
☒ *Leaf: length	medium to long		long to very long	
☒ Leaf: width	medium	narrow		
☐ Leaf: ratio length/width	large			
☐ *Leaf: shape	elliptic			

☐ Leaf: colour of upper side	green			
☐ *Leaf: intensity of green colour on upper side (varieties with green leaf colour only)	medium			
☒ *Leaf: margin	serrate		entire	
☒ Flower bud: anthocyanin colouration	medium to strong		weak to medium	
☐ Inflorescence: length	long			
☒ Flower: shape of corolla	urceolate	ellipsoid	ellipsoid	ellipsoid
☐ *Flower: size of corolla tube	medium			
☒ *Flower: anthocyanin colouration of corolla tube	absent or very weak	weak		
☐ Flower: ridges on corolla tube	present			
☒ Fruit cluster: density	sparse to medium			very sparse
☐ *Unripe fruit: intensity of green colour	medium to dark			
☐ *Fruit: size	large to very large			
☐ *Fruit: shape in longitudinal section	oblate			
☐ Fruit: type of sepals	incurving			
☒ Fruit: diameter of calyx basin	large to very large	medium to large		
☒ Fruit: depth of calyx basin	deep to very deep	medium		shallow
☒ *Fruit: intensity of bloom	strong to very strong			medium
☐ *Fruit: colour of skin	dark blue			
☐ Fruit: firmness	very soft to soft			
☐ *Fruit: sweetness	medium to high			
☐ *Fruit: acidity	very low			

☐ *Plant: fruiting type	on one-year-old and current season's shoots			
☒ *Time of: vegetative bud burst	very early to early	medium	medium	early to medium
☒ *Time of: beginning of flowering on one-year-old shoot	medium	early		very early
☒ *Time of: beginning of flowering on current year's shoot (varieties which fruit on one-year-old and current season's shoots only)	medium			early
☒ *Time of: beginning of fruit ripening on one-year-old shoot	early			very early
☐ *Time of: beginning of fruit ripening on current year's shoot (varieties which fruit on one-year-old and current season's shoots)	early to medium			early

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Plablue 1525'	'15.07.018'	'15.09.003'	'15.10.86'
☐ Fruit: attitude of sepals	semi-erect to horizontal	semi-erect		

Prior Applications and Sales:

Country	Year	Status	Name Applied
Colombia	2020	Applied	'Plablue 1525'
EU	2018	Granted	'Plablue 1525'
Mexico	2019	Granted	'Plablue 1525'
USA	2019	Applied	'Plablue 1525'

Prior sales: Nil

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

Blueberry (*Vaccinium corymbosum*) variety ‘Plablue 1525’

Details of Application

Application Number	2019/242
Variety Name	'Plablue 1549'
Genus Species	*Vaccinium corymbosum*
Common Name	Blueberry
Accepted Date	06-Dec-2019
Applicant	Plantas de Navarra, S.A. (PLANASA) Sociedad Unipersonal, Ctra. San Adrian, Km 1, Navarra, Spain
Agent	Foote Intellectual Property Limited, PO Box 3012, Lower Hutt, New Zealand
Qualified Person	Ian Paananen

Details of Comparative Trial

Overseas Testing Authority	DGAV - DVS
Overseas Data Reference Number	2018/2074
Location	NECE-ESCAROUPIM
Descriptor	TP/137/1 Final
Period	2019-2022
Conditions	as per UPOV Technical Guidelines
Trial Design	as per UPOV Technical Guidelines
Measurements	as per UPOV Technical Guidelines
RHS Chart - edition	n/a

Origin and Breeding

Controlled pollination: '14.028.001' seed parent x '14.026.001' pollen parent in a planned breeding program at Cartaya (Huelva), Spain: in 2015. Both parents are non-commercial varieties within the breeding programme. The seed parent is characterised by medium corolla tube size, shallow depth of calyx basin, cylindrical corolla shape and oblate fruit shape. The pollen parent is characterised by lanceolate leaf shape, cylindrical corolla shape and oblate fruit shape. Selection took place at Cartaya (Huelva), Spain in 2017. Selection criteria: early time of ripening, precocity, fruit quality (shape, size, colour, taste, flavour, firmness) and commercial yield. Propagation: vegetative by cuttings. Breeder: Alexandre Pierron-Darbonne, Plantas de Navarra, S.A. (PLANASA) Sociedad Unipersonal, Navarra, 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
Plant	growth habit	upright
Leaf	shape	elliptic
Fruit	size	large
Fruit	shape in longitudinal section	oblate
Fruit	colour of skin	dark blue

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'15.07.018'	
'15.07.005'	
'15.09.003'	
'15.09.020'	

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

Organ/Plant Part: Context	'Plablue 1549'	'15.07.005'	'15.07.018'	'15.09.003'	'15.09.020'
☐ *Plant: vigour	strong				
☐ *Plant: growth habit	upright				
☒ One-year-old shoot: colour	greenish red		green	green	green
☒ One-year-old shoot: length of internode	short to medium			medium to long	
☐ *Leaf: length	long				
☒ Leaf: width	medium to broad		narrow		
☐ Leaf: ratio length/width	large				
☐ *Leaf: shape	elliptic				

☐ Leaf: colour of upper side	green				
☐ *Leaf: intensity of green colour on upper side (varieties with green leaf colour only)	medium				
☒ *Leaf: margin	serrate			entire	entire
☐ Flower bud: anthocyanin colouration	medium				
☐ Inflorescence: length	long				
☐ *Flower: size of corolla tube	medium				
☒ *Flower: anthocyanin colouration of corolla tube	absent or very weak		weak		weak
☐ Flower: ridges on corolla tube	present				
☒ Fruit cluster: density	very sparse	sparse to medium	medium	medium	sparse
☒ *Unripe fruit: intensity of green colour	light		medium		
☐ *Fruit: size	large				
☐ *Fruit: shape in longitudinal section	oblate				
☒ Fruit: type of sepals	incurving				reflexed
☐ Fruit: diameter of calyx basin	very large				
☒ Fruit: depth of calyx basin	shallow	deep to very deep	medium	very deep	
☒ *Fruit: intensity of bloom	medium	very strong	strong to very strong		
☐ *Fruit: colour of skin	dark blue				
☐ Fruit: firmness	soft				
☐ *Fruit: sweetness	medium to high				
☐ *Fruit: acidity	very low				

☐ *Plant: fruiting type	on one-year-old and current season's shoots				
☒ *Time of: vegetative bud burst	early to medium	very early to early	medium		
☒ *Time of: beginning of flowering on one-year-old shoot	very early	medium		medium	very early to early
☒ *Time of: beginning of flowering on current year's shoot (varieties which fruit on one-year-old and current season's shoots only)	early	medium		medium	
☒ *Time of: beginning of fruit ripening on one-year-old shoot	very early	early	early	early	very early to early
☐ *Time of: beginning of fruit ripening on current year's shoot (varieties which fruit on one-year-old and current season's shoots)	early	early to medium	early to medium	early to medium	

Characteristics Additional to the Descriptor/TG

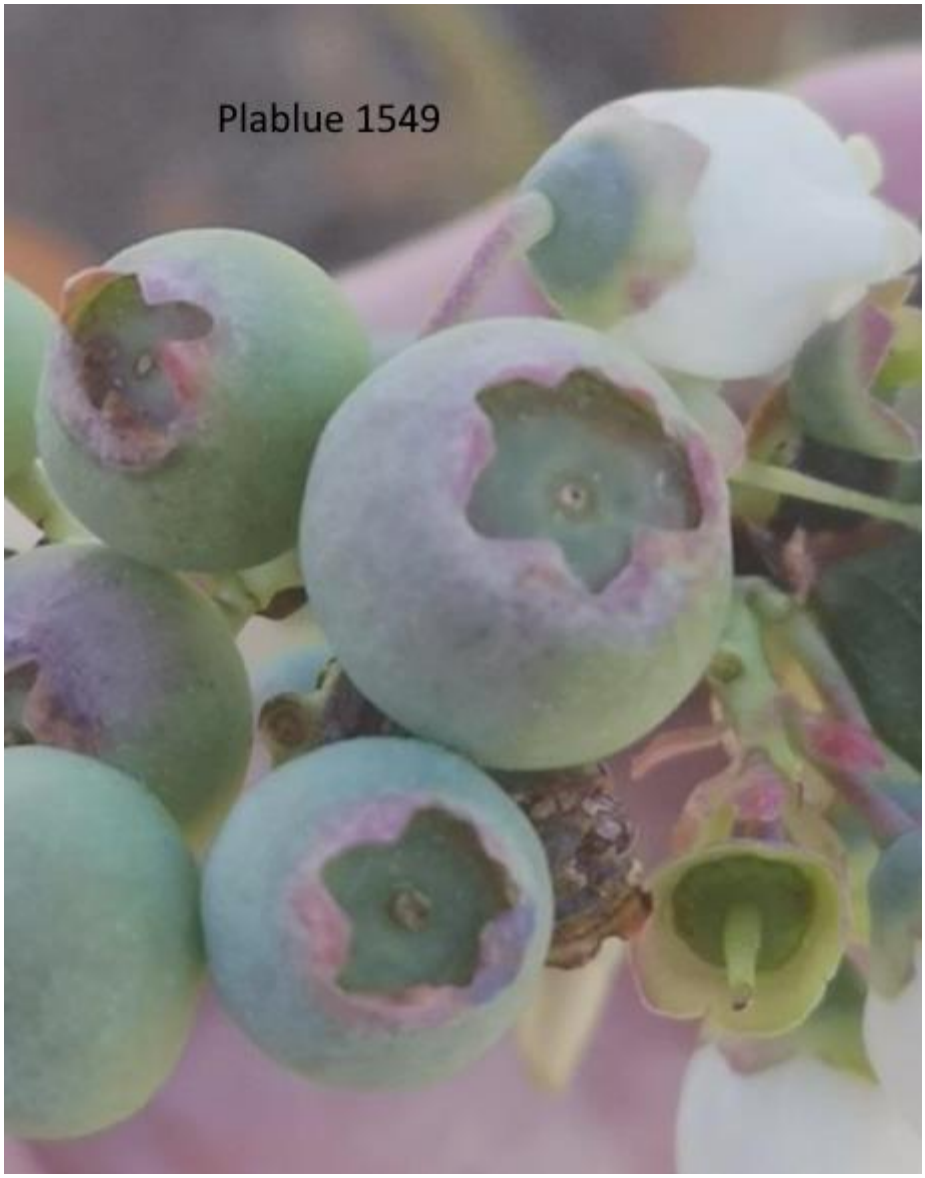
Organ/Plant Part: Context	'Plablue 1549'	'15.07.005'	'15.07.018'	'15.09.003'	'15.09.020'
☒ Flower: shape of corolla	ellipsoid	globose			cylindric
☒ Fruit: attitude of sepals	semi-erect to horizontal		semi-erect		erect

Prior Applications and Sales:

Country	Year	Status	Name Applied
Colombia	2020	Applied	'Plablue 1549'
EU	2018	Granted	'Plablue 1549'
Mexico	2019	Granted	'Plablue 1549'
USA	2019	Applied	'Plablue 1549'

Prior sales: Nil

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



Blueberry (*Vaccinium corymbosum*) variety 'Plablue 1549'

Details of Application

Application Number	2019/243
Variety Name	'Plablue 15122'
Genus Species	*Vaccinium corymbosum*
Common Name	Blueberry
Accepted Date	06-Dec-2019
Applicant	Plantas de Navarra, S.A. (PLANASA) Sociedad Unipersonal, Ctra. San Adrian, Km 1, Navarra, Spain
Agent	Foote Intellectual Property Limited, PO Box 3012, Lower Hutt, New Zealand
Qualified Person	Ian Paananen

Details of Comparative Trial

Overseas Testing Authority	DGAV - DVS
Overseas Data Reference Number	2018/2076
Location	NECE-ESCAROUPIM
Descriptor	TP/137/1 Final
Period	2019-2022
Conditions	as per UPOV Technical Guidelines
Trial Design	as per UPOV Technical Guidelines
Measurements	as per UPOV Technical Guidelines
RHS Chart - edition	

Origin and Breeding

Controlled pollination: '14.09.001' seed parent x '14.024.001' pollen parent in a planned breeding program at Cartaya (Huelva), Spain: in 2015. Both parents are non-commercial varieties within the breeding programme. The seed parent is characterised by cylindrical corolla shape and medium leaf length. The pollen parent is characterised by entire leaf margins and medium internode length on one year old shoots. Selection took place at Cartaya (Huelva), Spain in 2017. Selection criteria: early time of ripening, precocity, fruit quality (shape, size, colour, taste, flavour, firmness) and commercial yield. Propagation: vegetative by cuttings. Breeder: Alexandre Pierron-Darbonne, Plantas de Navarra, S.A. (PLANASA) Sociedad Unipersonal, Navarra, 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
Plant	vigour	medium
Plant	growth habit	upright
Leaf	shape	elliptic
Fruit	size	medium
Fruit	shape in longitudinal section	oblate
Fruit	colour of skin	dark blue

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'15.07.018'	
'15.09.020'	

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

Organ/Plant Part: Context	'Plablue 15122'	'15.07.018'	'15.09.020'
☐ *Plant: vigour	medium		
☐ *Plant: growth habit	upright		
☒ One-year-old shoot: colour	greyish red	green	green
☒ One-year-old shoot: length of internode	very short to short	short to medium	
☐ *Leaf: length	short to medium		
☒ Leaf: width	medium	narrow	
☐ Leaf: ratio length/width	large		
☐ *Leaf: shape	elliptic		
☐ Leaf: colour of upper side	green		
☐ *Leaf: intensity of green colour on upper side (varieties with green leaf colour only)	medium		

☒ *Leaf: margin	serrate		entire
☐ Flower bud: anthocyanin colouration	weak to medium		
☐ Inflorescence: length	medium to long		
☒ *Flower: size of corolla tube	small to medium		medium to large
☐ *Flower: anthocyanin colouration of corolla tube	absent or very weak		
☒ Flower: ridges on corolla tube	absent	present	present
☐ Fruit cluster: density	sparse		
☐ *Unripe fruit: intensity of green colour	light to medium		
☐ *Fruit: size	medium		
☐ *Fruit: shape in longitudinal section	oblate		
☒ Fruit: type of sepals	incurving		reflexed
☒ Fruit: diameter of calyx basin	small	medium to large	medium to large
☒ Fruit: depth of calyx basin	medium to deep	medium	shallow to medium
☐ *Fruit: intensity of bloom	strong		
☐ *Fruit: colour of skin	dark blue		
☐ Fruit: firmness	medium		
☐ *Fruit: sweetness	medium		
☐ *Fruit: acidity	very low to low		
☐ *Plant: fruiting type	on one-year-old and current season's shoots		
☒ *Time of: vegetative bud burst	early to medium	medium	
☒ *Time of: beginning of flowering on one-year-old shoot	very early	early	very early to early

☐ *Time of: beginning of flowering on current year's shoot (varieties which fruit on one-year-old and current season's shoots only)	early	
☐ *Time of: beginning of fruit ripening on one-year-old shoot	very early to early	
☐ *Time of: beginning of fruit ripening on current year's shoot (varieties which fruit on one-year-old and current season's shoots)	early	early to medium

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Plablue 15122'	'15.07.018'	'15.09.020'
☒ Flower: shape of corolla	ellipsoid		cylindric
☒ Fruit: attitude of sepals	semi-erect to horizontal	semi-erect	erect

Prior Applications and Sales:

Country	Year	Status	Name Applied
Colombia	2020	Applied	Plablue 15122'
EU	2018	Granted	Plablue 15122'
Mexico	2019	Granted	Plablue 15122'
USA	2019	Granted	Plablue 15122'

Prior sales: Nil

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

Blueberry (*Vaccinium corymbosum*) variety ‘Plablue15122’

Details of Application

Application Number	2019/280
Variety Name	'LARISSA'
Genus Species	*Solanum tuberosum*
Common Name	Potato
Accepted Date	30-Jan-2020
Applicant	Bohm-Nordkartoffel Agrarproduktion GmbH & Co. OHG, Lüneburg, Germany
Agent	Mitolo Group Pty Ltd
Qualified Person	John Fennell

Details of Comparative Trial

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

Origin and Breeding

Controlled pollination: The variety 'Merida' was pollinated by breeding line 'B 02/245/36' in 2006 at the Bohm-Nordkartoffel Agrarproduktion GmbH & Co. OHG Potato Breeding Program at Ebstorf, Germany. Subsequently selection trials occurred at multiple sites with the main selection criteria being marketable yield, maturity time, tuber appearance, disease resistances, cooking quality and storability. A breeding line was selected and released as 'Larissa' in 2015 following DUS and stability tests at Naktuinbouw in The Netherlans in 2013 and 2014. Breeder: Bohm-Nordkartoffel Agrarproduktion GmbH & Co. OHG, Lüneburg, Germany

Choice of Comparators

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Tuber	shape	long oval
Tuber	depth of eyes	shallow
Tuber	skin colour	yellow
Flower	colour	white
Tuber	flesh colour	Medium to dark yellow
Tuber	skin smoothness	smooth
Plant	frequency of flowers	medium to high

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Levantina'	

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

Organ/Plant Part: Context	'LARISSA'	'Levantina'
☐ Lightsprout: size	medium	medium to large
☒ *Lightsprout: shape	spherical	ovoid
☐ *Lightsprout: intensity of anthocyanin colouration	medium to strong	medium to strong
☐ *Lightsprout: proportion of blue in anthocyanin colouration of base	absent or low	absent or low
☐ *Lightsprout: pubescence of base	medium to strong	medium
☐ Lightsprout: size of tip in relation to base	medium	medium
☐ Lightsprout: habit of tip	intermediate	intermediate to open
☐ Lightsprout: anthocyanin colouration of tip	weak to medium	weak to medium

☐ Lightsprout: pubescence of tip	medium	medium
☐ *Lightsprout: number of root tips	many	medium to many
☐ Lightsprout: length of lateral shoots	short to medium	medium
☒ Plant: foliage structure	intermediate type	leaf type
☐ *Plant: growth habit	semi-upright	semi-upright
☐ *Stem: anthocyanin colouration	absent or very weak	weak
☒ Leaf: outline size	large	medium
☐ Leaf: openness	intermediate	intermediate to open
☐ Leaf: presence of secondary leaflets	medium	medium to strong
☐ Leaf: green colour	light to medium	medium
☐ Leaf: anthocyanin colouration on midrib of upper side	absent or very weak	absent or very weak
☐ Second pair of lateral leaflets: size	large	medium to large
☐ Second pair of lateral leaflets: width in relation to length	narrow to medium	medium
☐ Terminal and lateral leaflets: frequency of coalescence	low	low
☒ Leaflet: waviness of margin	very weak to weak	medium
☐ Leaflet: depth of veins	medium	medium
☒ Leaflet: glossiness of the upperside	dull	medium
☐ Flower bud: anthocyanin colouration	strong	absent or very weak
☐ Plant: height	short to medium	medium
☐ *Plant: frequency of flowers	medium to high	medium
☐ Inflorescence: size	medium	small to medium
☐ Inflorescence: anthocyanin colouration on peduncle	weak	weak to medium
☐ Flower corolla: size	medium	medium to large

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

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2015	pending	'LARISSA'
NL	2012	Granted	'LARISSA'
SA	2019	granted	'LARISSA'

First sold in Germany on 15th March 2016 as 'LARISSA'

Description: John Fennell, Littlehampton, SA 5250.

Solanum tuberosum (Potato) variety 'LARISSA' with comparator 'Levantina'

Details of Application

Application Number	2020/003
Variety Name	'SweetEve 2'
Genus Species	*Fragaria x ananassa*
Common Name	Strawberry
Accepted Date	13-Feb-2020
Applicant	Edward Vinson Ltd., Kent, UK
Agent	BerryWorld Australia Pty Ltd, Wamuran QLD 4512
Qualified Person	Garry Langford

Details of Comparative Trial

Location	2964 Tasman Highway, Orielton, Tasmania
Descriptor	22/11
Period	2022-23
Conditions	Plants are growing in substrate in Haygrove tunnels
Trial Design	40 plants, grown from runners, for each of the candidate and comparator, planted adjacent to one another.
Measurements	mm - kg
RHS Chart - edition	2000

Origin and Breeding

Controlled crossing completed in 2009, the candidate was selected from 120 seedlings. The first observations were made in 2010. Selection was based on yield, uniformity of shape and colour, fruit size, skin firmness and flavour. Subsequent trials were completed using increasing numbers of plants with assessment completed over 7 generations of seedlings of the candidate. Breeder:

Choice of Comparators:

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

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

Fruit	flowering runners	present
Fruit	shape	conic
Petiole	attitude of hairs	upward
Leaf	Size	medium
Plant	Growth habit	Semi-upright
Petal	Colour of upper side	white

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Cabrillo'	Similar fruiting characteristics

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Seascape'	**Plant: growth habit**	**Semi-upright**	**spreading**	

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

Organ/Plant Part: Context	'SweetEve 2'	'Cabrillo'
☐ Plant: growth habit	semi-upright	upright to semi-upright
☐ Plant: density of foliage	dense	medium
☐ Plant: vigor	medium to strong	medium
☐ Plant: position of inflorescence in relation to foliage	same level	slightly above
☐ Plant: number of stolons	few	few to medium
☐ Stolon: intensity of anthocyanin coloration	absent or very weak	absent or very weak
☐ Leaf: size	small to medium	medium
☐ Leaf: colour of upper side	medium green	dark green
☐ Leaf: rugosity	weak	weak
☐ Leaf: glossiness	medium	medium

☐ Terminal leaflet: length in relation to width	as short as broad	as short as broad
☒ Terminal leaflet: shape of base	acute	obtuse
☐ Terminal leaflet: margin	serrate to crenate	serrate to crenate
☐ Terminal leaflet: depth of incisions of margin	medium	medium
☐ Leaf: profile in cross-section	concave	concave
☐ Petiole: length	medium	medium
☐ Petiole: attitude of hairs	upwards	upwards
☐ Stipule: intensity of anthocyanin colouration	weak	absent or very weak
☐ Flower: diameter	small to medium	small to medium
☐ Flower: arrangement of petals	free	free
☒ Flower: size of calyx in relation to corolla	large	smaller
☐ Flower: stamen	present	present
☐ Petal: shape	transverse elliptic	transverse elliptic
☐ Petal: ratio length/width	medium	medium
☐ Petal: colour of upper side	white	white
☐ Fruit: length in relation to width	long	long
☐ Fruit: size	medium to large	large
☐ Fruit: shape	conic	conic
☐ Fruit: position of maximum width	strongly towards calyx	strongly towards calyx
☐ Fruit: shape of apex	rounded	rounded
☐ Fruit: shape at calyx end	retuse	retuse
☐ Fruit: colour	medium red	medium red
☐ Fruit: width of band without achenes	very narrow to narrow	absent or very narrow

☐ Fruit: position of achenes	slightly below surface	slightly below surface
☐ Fruit: colour of achenes	greenish	greenish
☐ Fruit: density of achenes	medium	medium
☐ Fruit: position of calyx attachment	inserted	inserted
☐ Fruit: attitude of sepals	outwards	outwards
☐ Fruit: diameter of calyx in relation to diameter of fruit	slightly larger	same size
☐ Fruit: colour of flesh	medium red	medium red
☐ Fruit: colour of core	medium red	light red
☒ Time of beginning of: flowering	very early to early	medium
☒ Time of beginning of: fruit ripening	early	medium
☐ Flowering: runners	present	present

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2016	pending	'SweetEve 2'

First sold in UK on 26th Feb 2016 as 'EZ05'

Description: **Garry Langford**, Tasmania

Fragaria x *ananassa* (Strawberry) variety ‘SweetEve 2’ with comparator ‘Cabrillo’

Details of Application

Application Number	2020/126
Variety Name	'IFG Cher-eight'
Genus Species	*Prunus avium*
Common Name	Sweet Cherry
Synonym	Nil
Accepted Date	14 Oct 2020
Applicant	Bloom Fresh International Limited, London, UK.
Agent	Baker McKenzie, Sydney, NSW.
Qualified Person	Leslie Mitchell

Details of Comparative Trial

Location	Cobram, Victoria,
Descriptor	Sweet Cherry (*Prunus avium*) TG/35/7
Period	2018/2023
Conditions	Grown under commercial conditions
Trial Design	Un-randomised block
Measurements	As per TG/35/7
RHS Chart - edition	

Origin and Breeding

Open pollination: The new and distinct sweet cherry tree described and claimed originated from open pollinated seeds collected in May 2007 of the unnamed and non-patented IFG selection'01C059-023-378' (female parent) growing near Delano in Kern County, California. The male pollen parent is unknown. The seeds were stratified, germinated and the resulting 17 seedlings were planted in a field near Delano, Kern County, California in April 2008. The present variety of sweet cherry tree was selected as a single plant in May 2012 and was first asexually propagated in February 2013 by grafting onto Prunus mahalab rootstock. This propagule was found to reproduce true-to-type by asexual propagation. All propagation was done near Delano, Kern County, California. Breeder David W. Cain, Bakersfield, CA, USA.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Tree	time to fruit maturity	early to medium
Fruit	size	medium
Fruit	colour of the skin	dark red
Tree	time to beginning of flowering	early to medium

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Brooks'	

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 Cher-three'	stone shape in ventral view	circular	medium elliptic	
	fruit shape	cordate	reniform	

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

Organ/Plant Part: Context	'IFG Cher-eight'	'Brooks'
☒ Tree: vigour	medium	weak
☐ *Tree: habit	semi-upright	semi-upright
☐ *Tree: branching	medium	medium
☐ One-year-old shoot: number of lenticels	few to medium	medium
☐ One-year-old shoot: thickness	medium	medium
☐ Leaf blade: length	long	long to very long
☒ Leaf blade: width	medium	broad to very broad
☒ *Leaf blade: ratio length/width	large	medium

☒ Leaf blade: intensity of green colour of upper side	medium	dark
☒ *Leaf: length of petiole	medium to long	long to very long
☒ Leaf: ratio length of blade/length of petiole	small	large
☐ *Leaf: presence of nectaries	present	present
☒ Nectaries: colour	light red	greenish yellow
☐ Flower: diameter	large	large
☐ Flower: shape of petal	medium obovate	medium obovate
☐ Flower: arrangement of petals	overlapping	overlapping
☐ *Fruit: size	large	medium to large
☒ *Fruit: shape	cordate	oblate
☐ Fruit: pistil end	flat	depressed
☐ Fruit: suture	weakly conspicuous	strongly conspicuous
☒ *Fruit: length of stalk	long	short
☐ Fruit: thickness of stalk	medium to thick	medium
☐ *Fruit: colour of skin	dark red	dark red
☐ Fruit: thickness of skin	intermediate	thick
☒ *Fruit: colour of flesh	dark red	pink
☐ Fruit: colour of juice	purple	red
☐ *Fruit: firmness	firm	medium to firm
☐ Fruit: acidity	low	medium
☐ Fruit: sweetness	high	medium to high
☐ *Stone: size	medium	medium
☒ *Stone: shape in ventral view	circular	medium elliptic

☐ *Time of: beginning of flowering	early to medium	early to medium
☐ *Time of: beginning of fruit ripening	early	early to medium

Prior Applications and Sales:

Country	Year	Status	Name Applied
MX	2021	Granted	'IFG Cher-eight'
CL	2021	Granted	'IFG Cher-eight'

No prior sale

Description: Leslie Mitchell, Eurofins Agrisearch**, S**hepparton, VIC 3630.

Sweet Cherry (*Prunus avium*) variety 'IFG Cher-eight'

Details of Application

Application Number	2020/131
Variety Name	'Meibenbino'
Genus Species	*Rosa* hybrid
Common Name	Rose
Accepted Date	15 Oct 2020
Applicant	Meilland International, S.A. France.
Agent	Kim Syrus, Myponga SA.
Qualified Person	Kim Syrus

Details of Comparative Trial

Location	Myponga SA 5202
Descriptor	Rose (*Rosa*)TG/11/8
Period	2021-24
Conditions	Both Meibenbino and Comparator (Meigalpio) planted in open beds
Trial Design	Planted in a block, single location
Measurements	Measurement taken from mature plants
RHS Chart - edition	2007

Origin and Breeding

Controlled pollination: The new variety was created by artificial pollination wherein two parents were crossed. The female parent was the product of the cross of the 'Meipaonia' variety and an unnamed seedling. The male parent was the 'Radtko' variety. The seeds resulting from the above pollination were sown and small plants were obtained which were physically and biologically different from each other. Breeder: Alain Antoine Meilland, 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	colour group	red
Plant	growth habit	dwarf
Plant	height	very short to short

Leaf	size	small

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Meigalpio'	

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
'Radrazz'	**Flower diameter**	**very small to small**	**medium to 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	'Meibenbino'	'Meigalpio'
☐ *Plant: growth type	dwarf	dwarf
☒ *Plant: growth habit (excluding varieties with growth type climber)	upright	moderately spreading
☐ Plant: height	very short to short	very short to short
☐ Young shoot: anthocyanin colouration	present	present
☐ Young shoot: intensity of anthocyanin colouration	medium	medium
☐ Stem: number of prickles	few to medium	few
☐ Prickles: predominant colour	purplish	purplish
☐ Leaf: size	small	small
☐ Leaf: intensity of green colour	dark	dark
☐ Leaf: anthocyanin colouration	present	present
☐ *Leaf: glossiness of upper side	medium	medium to strong
☐ *Leaflet: undulation of margin	weak	weak
☐ *Terminal leaflet: shape of blade	medium elliptic	medium elliptic

☐ Terminal leaflet: shape of base of blade	obtuse	obtuse
☐ Terminal leaflet: shape of apex of blade	acute	acute
☐ Flowering shoot: flowering laterals	present	present
☐ Flowering shoot: number of flowerings laterals	few to medium	medium to many
☒ Flowering shoot: number of flowers per lateral (varieties with flowering laterals only)	few to medium	many
☐ Flower bud: shape in longitudinal section	medium ovate	medium ovate
☐ *Flower: type	semi-double	semi-double
☐ *Flower: number of petals	few	few
☐ *Flower: colour group	red	red
☐ Flower: colour of the centre	red	red
☐ Flower: density of petals	loose	loose to medium
☐ *Flower: diameter	very small to small	very small to small
☐ *Flower: shape	round	irregularly rounded
☐ Flower: profile of upper part	flat	flat
☐ *Flower: profile of lower part	flattened convex	flattened convex
☐ Flower: fragrance	absent or weak	absent or weak
☒ *Sepal: extensions	strong	very weak to weak
☐ Petals: reflexing of petals one-by-one	present	present
☐ *Petal: shape	obovate	obovate
☐ Petal: incisions	medium	weak to medium
☐ Petal: reflexing of margin	weak	weak
☐ Petal: undulation	weak to medium	weak
☐ *Petal: size	small	small

☐ *Petal: length	medium to long	medium to long
☐ *Petal: width	medium	medium
☐ *Petal: number of colours on inner side	one	one
☐ *Petal: intensity of colour	even	lighter towards the top
☒ *Petal: main colour on the inner side (RHS Colour Chart)	46A	58A
☐ *Petal: basal spot on the inner side	present	present
☐ *Petal: size of basal spot on inner side	medium	medium to large
☐ *Petal: colour of basal spot on inner side	light yellow	white
☒ *Petal: main colour on the outer side (RHS Colour Chart)	46A	57A
☐ Outer stamen: predominant colour of filament	medium yellow	medium yellow
☐ Seed vessel: size	small to medium	very small to small
☐ Hip: shape in longitudinal section	pitcher-shaped	pear-shaped
☐ Hip: colour	green	orange

Prior Applications and Sales:

Country	Year	Status	Name Applied
CH	2019	Granted	'Meibenbino'
QZ	2019	Granted	'Meibenbino'
CA	2022	Granted	'Meibenbino'

First sold in France in March 2019.

Description: Kim Syrus, Corporate Roses, MYPONGA, SA 5202**.**

Rose (*Rosa* hybrid) variety ‘Meibenbino’

Details of Application

Application Number	2020/209
Variety Name	"VITESSA"
Genus Species	*Diplotaxis tenuifolia*
Common Name	Wild Rocket
Accepted Date	29-Oct-2020
Applicant	Vilmorin-Mikado, Route du Manoir, 49250 La Ménitré, France
Agent	Spruson & Ferguson, NSW 2000
Qualified Person	John Oates

Details of Comparative Trial

Location	162 Watts Road, Yowrie NSW 2550
Descriptor	TG/244/1
Period	December 2023 - February 2024
Conditions	As per UPOV Technical Guidelines, in field, as rows
Trial Design	As per UPOV Technical Guidelines, in field, as rows, 50 plants per variety, two generations were planted for "VITESSA"
Measurements	As per UPOV Technical Guidelines
RHS Chart - edition	6th Edition 2015

Origin and Breeding

Controlled pollination: Pollination of female parent, Line 'ER001' 'Virtus' (*Eruca sativa*) with the male parent line 'Di 903' 'Celebris' (*Diplotaxis tenuifolia*) was conducted using embryo rescue techniques. Throughout the breeding cycles selection concentrated on *Diplotaxis* characters and large leaf size. 'Celebris' was backcrossed to the F1 again using embryo rescue to create a BC1. 'Celebris was backcrossed to (F1 x 'Celebris' creating BC2 using natural seed set. The BC2 was self-pollinated twice to produce the BC2F3 generation which was then increased by bulk seed multiplication to produce 'Di932' subsequently named 'Vitessa'. Breeder: Vilmorin-Mikado, 49250 La Ménitré, 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
Leaf	length	medium
Leaf	width	medium

Leaf	division	strong
Leaf	secondary lobing	absent or weak

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Windsor'	

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

Organ/Plant Part: Context	'VITESSA'	'Windsor'
☐ Leaf: attitude	semi erect to horizontal	semi erect to horizontal
☒ *Leaf: colour of blade	grey green	green
☐ Leaf: intensity of colour	medium	light to medium
☐ *Leaf: length	medium	medium
☐ *Leaf: width	medium	medium
☐ *Leaf: division	strong	strong
☐ Leaf: width of primary lobes	very narrow to narrow	very narrow to narrow
☐ *Leaf: secondary lobing	absent or weak	absent or weak
☐ *Time of: flowering	medium	medium
☐ Plant: height at flowering stage	medium	medium

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'VITESSA'	'Windsor'
☒ Leaf: colour	NN137A	137B
☐ Plant: height at flowering	45cm	45cm

Prior Applications and Sales: Nil

Description: John Oates, NSW 2548

Wild rocket *(Diplotaxis tenuifolia)* – candidate variety ‘Vitessa’ (left and centre) and ‘Windsor’ (right) showing colour difference and leaf form

Details of Application

Application Number	2020/240
Variety Name	DANINA
Genus Species	*Solanum tuberosum*
Common Name	Potato
Accepted Date	19-Nov-2020
Applicant	Bohm-Nordkartoffel Agrarproduktion GmbH & Co. OHG. Lüneburg, Germany
Agent	Mitolo Group Pty Ltd, Virginia, SA 5120
Qualified Person	John Fennell

Details of Comparative Trial

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

Origin and Breeding

Controlled pollination: The variety 'Venezia' was pollinated by 'Jelly' in 2007 in the Bohm-Nordkartoffel Agrarproduktion GmbH & Co. OHG Potato Breeding Program at Ebstorf, Germany. Subsequently selection trials occurred with the main selection criteria being marketable yield, maturity time, tuber appearance, disease resistances, cooking quality and storability. A breeding line was selected and released as 'Danina' in 2017. DUS and stability was proven in trials by the federal Plant Variety Office in Germany in 2015 and 2016.Breeder: Bohm-Nordkartoffel Agrarproduktion GmbH & Co. OHG. Lüneburg, 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
Flower	colour	white
Tuber	shape	oval
Tuber	skin colour	yellow
Tuber	flesh colour	medium yellow

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Georgina'	

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

Organ/Plant Part: Context	'DANINA'	'Georgina'
☐ Lightsprout: size	medium	medium to large
☒ *Lightsprout: shape	broad cylindrical	spherical
☒ *Lightsprout: intensity of anthocyanin colouration	strong	medium
☐ *Lightsprout: proportion of blue in anthocyanin colouration of base	absent or low	absent or low
☐ *Lightsprout: pubescence of base	weak to medium	weak to medium
☒ Lightsprout: size of tip in relation to base	small	medium to large
☒ Lightsprout: habit of tip	closed	open
☒ Lightsprout: anthocyanin colouration of tip	medium	weak
☒ Lightsprout: pubescence of tip	weak	medium
☐ *Lightsprout: number of root tips	medium to many	many

☐	Lightsprout: length of lateral shoots	short	medium
☒	Plant: foliage structure	stem type	intermediate type
☐	*Plant: growth habit	semi-upright	semi-upright to spreading
☐	*Stem: anthocyanin colouration	absent or very weak	absent or very weak
☐	Leaf: outline size	medium to large	medium
☒	Leaf: openness	intermediate	open
☐	Leaf: presence of secondary leaflets	medium	medium to strong
☐	Leaf: green colour	medium	medium
☐	Leaf: anthocyanin colouration on midrib of upper side	absent or very weak	absent or very weak
☒	Second pair of lateral leaflets: size	medium	small
☐	Second pair of lateral leaflets: width in relation to length	narrow to medium	medium
☒	Terminal and lateral leaflets: frequency of coalescence	medium	absent or very low
☐	Leaflet: waviness of margin	weak	weak
☐	Leaflet: depth of veins	medium	medium
☐	Leaflet: glossiness of the upperside	medium to glossy	medium
☐	Flower bud: anthocyanin colouration	weak to medium	absent or very weak
☐	Plant: height	tall	tall
☒	*Plant: frequency of flowers	low	medium to high
☐	Inflorescence: size	medium	small
☐	Inflorescence: anthocyanin colouration on peduncle	very weak to weak	absent or very weak
☐	Flower corolla: size	small	medium to large

☐ *Flower corolla: intensity of anthocyanin colouration on inner side	absent or very weak	absent or very weak
☐ *Flower corolla: proportion of blue in anthocyanin colouration on inner side	absent or low	absent or low
☐ *Flower corolla: extent of anthocyanin colouration on inner side	absent or very small	absent or very small
☒ *Plant: time of maturity	early to medium	medium to late
☐ *Tuber: shape	oval	oval
☐ Tuber: depth of eyes	shallow	medium
☐ *Tuber: colour of skin	yellow	yellow
☐ *Tuber: colour of base of eye	yellow	yellow
☐ *Tuber: colour of flesh	medium yellow	medium yellow

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'DANINA'	'Georgina'
☐ Tuber: skin smoothness	medium	medium

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2017	granted	'DANINA'

First sold in Germany on 28th Feb 2017 as 'DANINA'

Description: John Fennell, Littlehampton, SA 5250.

Solanum tuberosum (Potato) variety ‘DANINA’ with comparator ‘Georgina’

Details of Application

Application Number	2020/241
Variety Name	'FLORIDANA'
Genus Species	*Solanum tuberosum*
Common Name	Potato
Accepted Date	23-Nov-2020
Applicant	Bohm-Nordkartoffel Agrarproduktion GmbH & Co. OHG, Lüneburg, Germany
Agent	Mitolo Group Pty Ltd, Virginia, SA 5120
Qualified Person	John Fennell

Details of Comparative Trial

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

Origin and Breeding

Controlled pollination: The variety 'Merida' was pollinated by breeding line 'B89/258/189' in 2003 in the Bohm-Nordkartoffel Agrarproduktion GmbH & Co. OHG Potato Breeding Program at Ebstorf, Germany. Subsequently selection trials occurred with the main selection criteria being marketable yield, maturity time, tuber appearance, disease resistances, cooking quality and storability. A breeding line was selected and released as 'Floridana' in 2018. Uniformity and stability was proven in trials at the Federal Plant Variety Office in Germany in 2016 and 2017. Breeder: Bohm-Nordkartoffel Agrarproduktion GmbH & Co. OHG, Lüneburg, Germany

Choice of Comparators

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Lightsprout	shape	spherical
Flower	colour	white
Tuber	shape	short oval to oval
Tuber	skin colour	yellow
Tuber	flesh colour	light yellow

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Taurus'	

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

Organ/Plant Part: Context	'FLORIDANA'	'Taurus'
☐ Lightsprout: size	medium	medium
☐ *Lightsprout: shape	spherical	spherical
☐ *Lightsprout: intensity of anthocyanin colouration	medium	medium to strong
☒ *Lightsprout: proportion of blue in anthocyanin colouration of base	absent or low	medium
☐ *Lightsprout: pubescence of base	weak to medium	medium
☐ Lightsprout: size of tip in relation to base	medium	large
☐ Lightsprout: habit of tip	open	intermediate to open
☐ Lightsprout: anthocyanin colouration of tip	medium	weak to medium
☒ Lightsprout: pubescence of tip	weak	medium
☐ *Lightsprout: number of root tips	few	few
☐ Lightsprout: length of lateral shoots	short	short
☐ Plant: foliage structure	stem type	stem type

☐ *Plant: growth habit	semi-upright to spreading	upright to semi-upright
☐ *Stem: anthocyanin colouration	very weak to weak	very weak to weak
☐ Leaf: outline size	medium to large	medium
☐ Leaf: openness	intermediate to open	open
☒ Leaf: presence of secondary leaflets	strong	weak to medium
☐ Leaf: green colour	light to medium	medium
☐ Leaf: anthocyanin colouration on midrib of upper side	absent or very weak	absent or very weak
☐ Second pair of lateral leaflets: size	medium	medium
☐ Second pair of lateral leaflets: width in relation to length	narrow to medium	narrow
☐ Terminal and lateral leaflets: frequency of coalescence	medium	absent or very low
☐ Leaflet: waviness of margin	weak to medium	very weak to weak
☐ Leaflet: depth of veins	medium	medium
☐ Leaflet: glossiness of the upperside	medium	medium to glossy
☐ Flower bud: anthocyanin colouration	weak	absent or very weak
☐ Plant: height	tall	medium to tall
☐ *Plant: frequency of flowers	medium	low
☐ Inflorescence: size	medium	small
☐ Inflorescence: anthocyanin colouration on peduncle	very weak to weak	absent or very weak
☐ Flower corolla: size	medium to large	medium
☐ *Flower corolla: intensity of anthocyanin colouration on inner side	absent or very weak	absent or very weak
☐ *Flower corolla: proportion of blue in anthocyanin colouration on inner side	absent or low	absent or low

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

Characteristics Additional to the Descriptor/TG

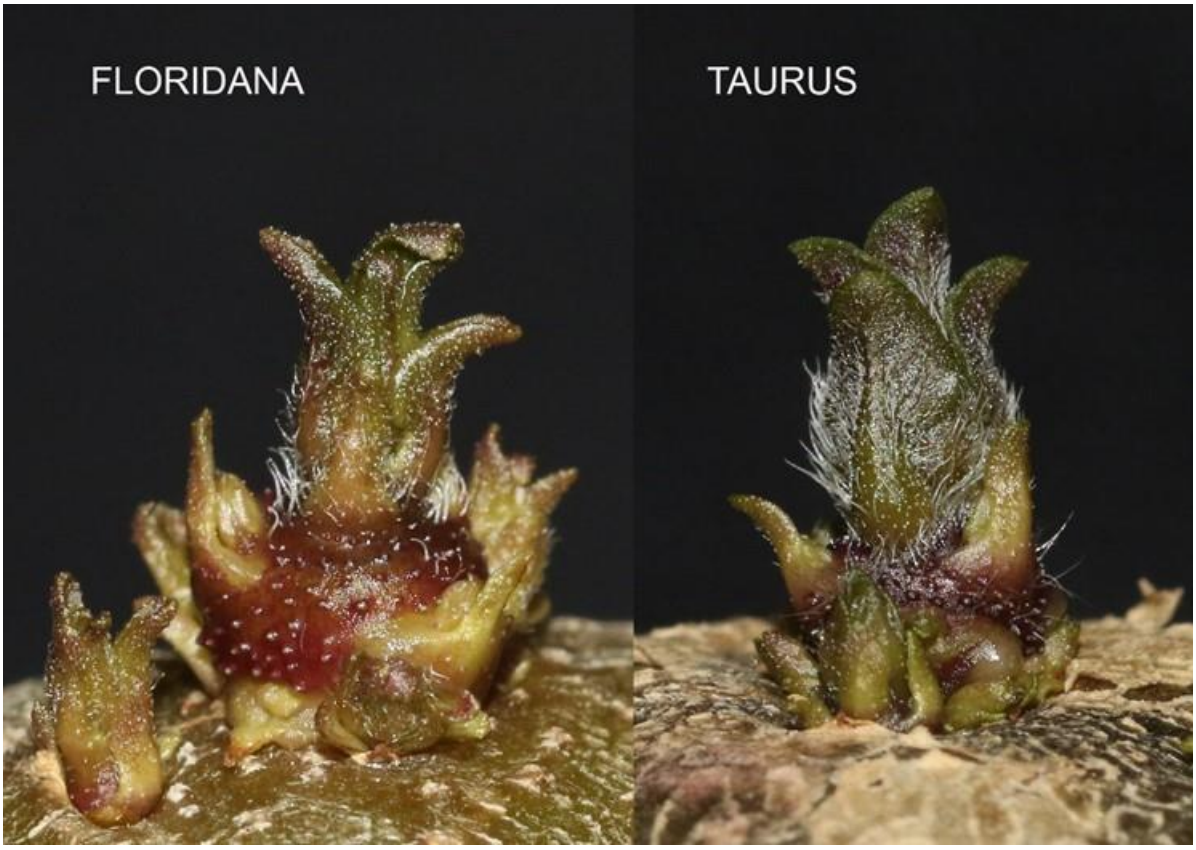
Organ/Plant Part: Context	'FLORIDANA'	'Taurus'
☐ Tuber: skin smoothness	smooth	medium
☒ terminal leaflet: cupping	convex	none

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2019	granted	'FLORIDANA'
SA	2019	Pending	'FLORIDANA'

First sold in Germany on 12th March 2018 as 'FLORIDANA'

Description: John Fennell, Littlehampton, SA 5250.



Solanum tuberosum (Potato) variety ‘FLORIDANA’ with comparator ‘Taurus’

Details of Application

Application Number	2020/242
Variety Name	'KARELIA'
Genus Species	*Solanum tuberosum*
Common Name	Potato
Accepted Date	24-Nov-2020
Applicant	Bohm-Nordkartoffel Agrarproduktion GmbH & Co. OHG, , Lüneburg, Germany
Agent	Mitolo Group Pty Ltd, Virginia, SA 5120
Qualified Person	John Fennell

Details of Comparative Trial

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

Origin and Breeding

Controlled pollination: The variety 'Amanda' was pollinated by breeding line 'M 03-032' in 2008 at the Bohm-Nordkartoffel Agrarproduktion GmbH & Co. OHG Potato Breeding Program at Bohlendorf, Germany. Subsequently selection trials occurred with the main selection criteria being marketable

yield, maturity time, tuber appearance, disease resistances, cooking quality and storability. A breeding line was selected and released as 'Karelia' in 2016. Stability and uniformity was established by the Federal Plant Variety Office in Germany in 2014 and 2015. Breeder: Bohm-Nordkartoffel Agrarproduktion GmbH & Co. OHG, , Lüneburg, Germany

Choice of Comparators

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

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

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Daisy'	

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
'Wizard'	Tuber	flesh colour	Medium yellow	light yellow	
'Georgina'	lightsprout	shape	ovoid	spherical	

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

Organ/Plant Part: Context	'KARELIA'	'Daisy'
☐ Lightsprout: size	medium	small to medium
☐ *Lightsprout: shape	ovoid	ovoid
☐ *Lightsprout: intensity of anthocyanin colouration	medium	medium

☐ *Lightsprout: proportion of blue in anthocyanin colouration of base	absent or low	absent or low
☒ *Lightsprout: pubescence of base	weak	medium
☐ Lightsprout: size of tip in relation to base	medium	small to medium
☒ Lightsprout: habit of tip	open	intermediate
☐ Lightsprout: anthocyanin colouration of tip	very weak to weak	absent or very weak
☐ Lightsprout: pubescence of tip	weak	weak
☒ *Lightsprout: number of root tips	many	medium
☐ Lightsprout: length of lateral shoots	medium	medium to long
☒ Plant: foliage structure	stem type	intermediate type
☐ *Plant: growth habit	semi-upright	semi-upright
☐ *Stem: anthocyanin colouration	very weak to weak	absent or very weak
☐ Leaf: outline size	medium to large	medium to large
☐ Leaf: openness	intermediate	closed to intermediate
☐ Leaf: presence of secondary leaflets	weak to medium	medium
☒ Leaf: green colour	light to medium	medium to dark
☐ Leaf: anthocyanin colouration on midrib of upper side	absent or very weak	absent or very weak
☐ Second pair of lateral leaflets: size	medium to large	large
☐ Second pair of lateral leaflets: width in relation to length	narrow to medium	medium
☐ Terminal and lateral leaflets: frequency of coalescence	low to medium	absent or very low
☒ Leaflet: waviness of margin	weak	medium
☒ Leaflet: depth of veins	shallow to medium	deep
☐ Leaflet: glossiness of the upperside	dull to medium	medium

☐ Plant: height	medium to tall	tall
☒ *Plant: frequency of flowers	high	low
☐ Inflorescence: size	medium to large	medium
☐ Inflorescence: anthocyanin colouration on peduncle	weak	absent or very weak
☐ Flower corolla: size	medium to large	medium
☒ *Flower corolla: intensity of anthocyanin colouration on inner side	weak to medium	strong
☐ *Flower corolla: proportion of blue in anthocyanin colouration on inner side	absent or low	absent or low
☐ *Flower corolla: extent of anthocyanin colouration on inner side	medium to large	large
☐ *Plant: time of maturity	medium	medium to late
☐ *Tuber: shape	oval	oval
☐ Tuber: depth of eyes	shallow to medium	shallow
☐ *Tuber: colour of skin	yellow	light beige
☐ *Tuber: colour of base of eye	yellow	yellow
☐ *Tuber: colour of flesh	medium yellow	medium yellow
☐ Tuber: anthocyanin colouration of skin in reaction to light (light beige and yellow skinned varieties only)	absent or very weak	

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'KARELIA'	'Daisy'
☒ Tuber: skin smoothness	medium	smooth
☒ stem: wings	medium	small

Prior Applications and Sales:

Country	Year	Status	Name Applied

EU	2016	granted	‘KARELIA’
RU	2018	Pending	‘KARELIA’
Ukraine	2018	Pending	‘KARELIA’
Belarus	2018	Pending	‘KARELIA’
Kazachstan	2018	Pending	‘KARELIA’

First sold in Germany on 18th Jan 2017 as ‘KARELIA’

Description: John Fennell, Littlehampton, SA 5250.

Solanum tuberosum (Potato) variety ‘KARELIA’ with comparator ‘Daisy’

Details of Application

Application Number	2020/251
Variety Name	'Valiant'
Genus Species	*Triticum aestivum*
Common Name	Wheat
Synonym	IGW4502
Accepted Date	24-Nov-2020
Applicant	InterGrain Pty Ltd, Bibra Lake, WA 6163 Australia
Qualified Person	David Watson

Details of Comparative Trial

Location	Horsham
Descriptor	Wheat (Tritcum Aestivum) TG/3/12
Period	June 2022 to December 2022
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 Sabel CL Plus was emasculated and pollinated with pollen from Impose CL Plus, the F1 (11Y376) was then top crossed to unreleased line IGW6007. The variety was selfed to generate F2 seed which was sown as spaced plants under disease pressure in a field nursery. Resistant plants were bulk harvested and screened via molecular markers to select individuals fixed for the Glu 5+10 and Tsn1 alleles. Selected F3 seeds were sown in SSD trays and harvested. The bulk F4 seed was again sown in SSD trays and harvested. The F5 bulk was sown in the field under yellow spot pressure and selection of fixed lines were made, these were tested for 6 generations across 6 seasons. Agronomic, disease and quality testing was 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 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	presence of awns	present

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Yitpi'	
'Cutlass'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Chief'	Plant	height	tall	short	
'Sherrif'	Plant	height	tall	short	

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

Organ/Plant Part: Context	'Valiant'	'Cutlass'	'Yitpi'
☐ Seed: colour	white	white	white
☐ *Plant: growth habit	erect	semi erect	semi erect
☒ Plant: frequency of plants with recurved flag leaves	absent or very low	very high	high to very high
☐ Flag leaf: anthocyanin colouration of auricles	absent or weak	absent or weak	absent or weak
☒ *Time of: ear emergence	late to very late	late	late
☐ *Flag leaf: glaucosity of sheath	strong to very strong	strong to very strong	strong
☐ Flag leaf: glaucosity of blade	strong	medium	medium
☐ *Ear: glaucosity	strong	medium to strong	medium to strong
☐ Culm: glaucosity of neck	strong	strong to very strong	strong
☐ *Lower glume: hairiness on external surface	absent	absent	absent
☐ *Plant: length	medium to long	long to very long	long
☐ *Straw: pith in cross section	thin	thin	thin
☐ *Ear: density	medium	medium	medium
☐ Ear: length	medium	medium	short to medium
☐ *Ear: scurs or awns	awns present	awns present	awns present
☐ *Ear: length of scurs or awns	medium to long	medium to long	medium
☐ *Ear: colour	white	white	white

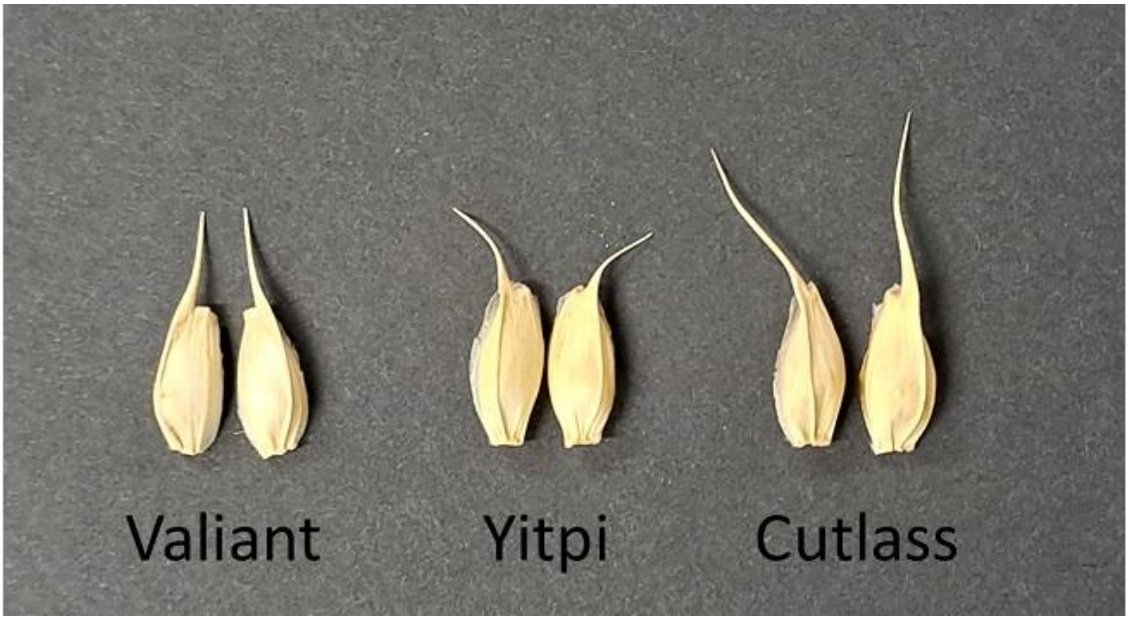
☒ Ear: shape in profile	tapering	parallel sided	tapering
☐ Apical rachis segment: area of hairiness on convex surface	medium	absent or very small	very small to small
☒ Lower glume: shoulder width	medium	narrow to medium	medium
☒ Lower glume: shoulder shape	horizontal	slightly elevated	slightly sloping
☒ Lower glume: length of beak	long	very long	long
☒ *Lower glume: shape of beak	moderately curved	straight to slightly curved	straight
☐ Lower glume: area of hairiness on internal surface	very small	very small	very small
☐ *Seasonal : type	spring type	spring type	spring type

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Valiant'	'Cutlass'	'Yitpi'
☒ Plant: Resistance to Imidazolinone herbicides	tolerant	susceptible	susceptible

Prior Applications and Sales: Nill

Description: David Watson, Horsham, VIC 3402



Triticum aestivum (Wheat) variety 'Valiant' with comparators 'Cutlass' and 'Yitpi'

Details of Application

Application Number	2021/014
Variety Name	'IFG Twenty-two'
Genus Species	*Vitis* hybrid
Common Name	Grape vine
Accepted Date	13 Sep 2021
Applicant	Bloom Fresh International Limited, London, United Kingdom
Agent	Baker McKenzie, Sydney, NSW
Qualified Person	Jennifer Hashim-Maguire

Details of Comparative Trial

Overseas Testing Authority	Department of Agriculture, Land Reform & Rural Development, Republic of South Africa
Overseas Data Reference Number	ZA 20207074
Location	De Vlei De Doorns Hex River, South Africa
Descriptor	Grapevine UPOV TG/50/9, 2008-04-09
Period	2018-2020
Conditions	
Trial Design	As per Technical Examination / DUS test report supplied by Department of Agriculture, Forestry & Fisheries, Genetics Resources, Division of Plant Breeders' Rights, Pretoria, Republic of South Africa
Measurements	
RHS Chart - edition	

Origin and Breeding

Controlled pollination: Hand pollinated cross of the IFG 01161-040-184 (unnamed *Vitis vinifera* selection from the IFG breeding program) and IFG 04025-037-112 (unnamed *Vitis* interspecific selection from the IFG breeding program) hybridized in May 2008. Abortive seed traces embryo cultured and the resulting seedling vines planted in the field in April 2009. Selected as a single plant in September 2010 and asexually propagated via hardwood cuttings in December 2010. Planted in an 18-vine evaluation block in April 2011. Vines evaluated for commercial potential from 2012 to 2014. Breeder: David Cain, Bakersfield, CA 93308, 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	colour of flesh	absent or very weak
Berry	shape	broad ellipsoid
Berry	particular flavour	foxy
Berry	presence of seed	absent

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'IFG Twenty'	

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

Organ/Plant Part: Context	'IFG Twenty-two'	'IFG Twenty'
☒ *Time of: bud burst	medium	late
☐ *Young shoot: openness of tip	half open	
☐ *Young shoot: prostrate hairs on tip	very sparse to 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: colour of dorsal side of internodes	green	
☐ *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	
☐ *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	very weak to weak	
☐ *Mature leaf: number of lobes	five	
☐ Mature leaf: depth of upper lateral sinuses	shallow to medium	
☐ Mature leaf: arrangement of lobes of upper lateral sinuses (varieties with lobed leaves only)	open	
☐ *Mature leaf: arrangement of lobes of petiole sinus	half open	
☐ *Mature leaf: length of teeth	short to medium	
☐ *Mature leaf: ratio length/width of teeth	small	
☒ *Mature leaf: shape of teeth	mixture of both sides straight and both sides convex	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	very sparse to sparse	absent or very sparse
☐ Mature leaf: length of petiole compared to length of middle vein	moderately shorter	
☒ *Time of: beginning of berry ripening	early to medium	medium

☐ *Bunch: size (peduncle excluded)	small
☐ *Bunch: density	medium
☐ Bunch: length of peduncle of primary bunch	very short to short
☐ *Berry: size	small
☐ *Berry: shape	broad ellipsoid
☐ *Berry: colour of skin (without bloom)	blue black
☐ 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	soft or slightly firm
☐ *Berry: particular flavour	foxy
☐ *Berry: formation of seeds	none
☐ Woody shoot: main colour	reddish brown

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'IFG Twenty-two'	'IFG Twenty'
☒ Inflorescences: Time of full flowering (50%)	early	medium to late

Prior Applications and Sales:

Country	Year	Status	Name Applied
CHILE	2015	Granted	'IFG TWENTY TWO'
SOUTH AFRICA	2015	Granted	'IFG TWENTY-TWO'
EU	2016	Granted	'IFG TWENTY TWO'
MEXICO	2017	Granted	'IFG TWENTY-TWO'
PERU	2018	Granted	'IFG TWENTY TWO'
CHINA	2018	Granted	'IFG TWENTY-TWO'
UNITED STATES	2018	Granted	'IFG TWENTY-TWO'
BRAZIL	2019	Pending	'IFG TWENTY TWO'
ECUADOR	2019	Pending	'IFG TWENTY-TWO'

EGYPT	2019	Granted	'IFG TWENTY-TWO'
UNITED KINGDOM	2021	Granted	'IFG TWENTY-TWO'

No prior vine sales. Fruit first sold in the United States on 01 August 2016.

Description: **Jennifer Hashim-Maguire**, AUSCAL Viticulture Pty Ltd, Mildura, VIC

Vitis hybrid variety 'IFG Twenty-two'

Details of Application

Application Number	2021/015
Variety Name	'IFG Twenty-five'
Genus Species	*Vitis vinifera*
Common Name	Grape vine
Accepted Date	01 Jul 2021
Applicant	Bloom Fresh International Limited, London, United Kingdom
Agent	Baker McKenzie, Sydney, NSW
Qualified Person	Jennifer Hashim-Maguire

Details of Comparative Trial

Overseas Testing Authority	*Department of Agriculture, Land Reform & Rural Development, Republic of South Africa*
Overseas Data Reference Number	*ZA 20217354*
Location	De Vlei De Doorns Hex River, South Africa
Descriptor	Grapevine UPOV TG/50/9, 2008-04-09
Period	2019-2021
Conditions	
Trial Design	As per Technical Examination / DUS test report supplied by Department of Agriculture, Forestry & Fisheries, Genetics Resources, Division of Plant Breeders' Rights, Pretoria, Republic of South Africa
Measurements	
RHS Chart - edition	

Origin and Breeding

Controlled pollination: Hand pollinated cross of the of IFG 01073-094-195, an unnamed seedless selection from the IFG breeding program, and 01161-Bulk pollen, hybridized in May 2005. Abortive seed traces embryo cultured and the resulting seedling vines planted in the field in April 2006. Selected as a single plant in June 2008 and asexually propagated via hardwood cuttings in December 2008. Planted in an 18-vine evaluation block in April 2009. Vines evaluated for commercial potential from 2010 to 2013. Breeder: David Cain, Bakersfield, CA 93308, 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	colour of flesh	absent or very weak
Berry	shape	narrow ellipsoid
Berry	particular flavour	none
Berry	presence of seed	none to rudimentary

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'IFG Seventeen'	

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

Organ/Plant Part: Context	'IFG Twenty-five'	'IFG Seventeen'
☐ *Time of: bud burst	medium	
☐ *Young shoot: openness of tip	half 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	absent or very sparse	
☐ Shoot: colour of dorsal side of internodes	green	
☐ *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	small	
☐ *Mature leaf: shape of blade	wedge-shaped to circular	wedge-shaped
☐ Mature leaf: blistering of upper side of blade	strong	
☐ *Mature leaf: number of lobes	five	
☒ Mature leaf: depth of upper lateral sinuses	shallow to medium	medium to deep
☐ 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	half open to wide open
☒ *Mature leaf: length of teeth	medium	medium to 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	medium	
☐ 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	equal	
☒ *Time of: beginning of berry ripening	early to medium	medium
☐ *Bunch: size (peduncle excluded)	very small to small	
☐ *Bunch: density	medium	

☐	Bunch: length of peduncle of primary bunch	very short to short	
☐	*Berry: size	very small to small	
☐	*Berry: shape	narrow ellipsoid	narrow ellipsoid
☐	*Berry: colour of skin (without bloom)	blue black	
☐	Berry: ease of detachment from pedicel	moderately easy	
☐	Berry: thickness of skin	thick	
☐	*Berry: anthocyanin colouration of flesh	absent or very weak	
☐	Berry: firmness of flesh	moderately firm	
☐	*Berry: particular flavour	none	
☐	*Berry: formation of seeds	none	
☐	Woody shoot: main colour	orange brown	

Characteristics Additional to the Descriptor/TG

	Organ/Plant Part: Context	**'IFG Twenty-five'**	**'IFG Seventeen'**
☐	Inflorescences: Time of full flowering (50% capfall)	medium	

Prior Applications and Sales:

Country	**Year**	**Status**	**Name Applied**
UNITED STATES	2016	Granted	'IFG TWENTY-FIVE'
SOUTH AFRICA	2018	Granted	'IFG TWENTY-FIVE'
CHINA	2018	Granted	'IFG TWENTY-FIVE'
EGYPT	2018	Granted	'IFG TWENTY-FIVE'
EU	2018	Granted	'IFG TWENTY FIVE'
CHILE	2019	Granted	'IFG TWENTY FIVE'
PERU	2020	Granted	'IFG TWENTY FIVE'
MEXICO	2020	Granted	'IFG TWENTY-FIVE'
ISRAEL	2020	Pending	'IFG TWENTY-FIVE'
UNITED KINGDOM	2021	Pending	'IFG TWENTY-FIVE'

No prior vine sales. Fruit first sold in Egypt on 01 June 2021.

Description: Jennifer Hashim-Maguire, AUSCAL Viticulture Pty Ltd, Mildura, VIC

Vitis vinifera variety ‘IFG Twenty-five’

Details of Application

Application Number	2021/016
Variety Name	'IFG Twenty-six'
Genus Species	*Vitis vinifera*
Common Name	Grape vine
Synonym	
Accepted Date	05 Jul 2021
Applicant	Bloom Fresh International Limited, London, United Kingdom
Agent	Baker McKenzie, Sydney, NSW
Qualified Person	Jennifer Hashim-Maguire

Details of Comparative Trial

Overseas Testing Authority	*Department of Agriculture, Land Reform & Rural Development, Republic of South Africa*
Overseas Data Reference Number	*ZA 20207077*
Location	De Vlei De Doorns Hex River, South Africa
Descriptor	Grapevine UPOV TG/50/9, 2008-04-09
Period	2018-2020
Conditions	
Trial Design	As per Technical Examination / DUS test report supplied by Department of Agriculture, Forestry & Fisheries, Genetics Resources, Division of Plant Breeders' Rights, Pretoria, Republic of South Africa
Measurements	
RHS Chart - edition	

Origin and Breeding

Controlled pollination: Hand pollinated cross of 'IFG Thirteen' and 'IFG 31-077' hybridized in May 2006. Abortive seed traces embryo cultured and the resulting seedling vines planted in the field in April 2007. Selected as a single plant in June 2008 and asexually propagated via hardwood cuttings in December 2008. Planted in an 18-vine evaluation block in April 2009. Vines evaluated for commercial potential from 2010 to 2015. Breeder: David Cain, Bakersfield, CA 93308, 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	colour of flesh	absent or very weak
Berry	colour	black
Berry	particular flavour	none
Berry	presence of seed	none to rudimentary

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'IFG Eight'	

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

Organ/Plant Part: Context	'IFG Twenty-six'	'IFG Eight'
☒ *Time of: bud burst	medium	late
☐ *Young shoot: openness of tip	half 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: colour of dorsal side of internodes	green	
☐ *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	
☐ *Flower: sexual organs	fully developed stamens and fully developed gynoecium	
☐ *Mature leaf: size of blade	small	
☒ *Mature leaf: shape of blade	pentagonal	circular
☐ Mature leaf: blistering of upper side of blade	weak	
☐ *Mature leaf: number of lobes	seven	
☒ Mature leaf: depth of upper lateral sinuses	medium to deep	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	wide open	very wide open
☐ *Mature leaf: length of teeth	medium to 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	medium	
☐ 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	equal	
☐ *Time of: beginning of berry ripening	early to medium	
☐ *Bunch: size (peduncle excluded)	small	

☐ *Bunch: density	medium	
☐ Bunch: length of peduncle of primary bunch	very short	
☐ *Berry: size	small	
☒ *Berry: shape	narrow ellipsoid to obtuse ovoid	broad ellipsoid to narrow ellipsoid
☐ *Berry: colour of skin (without bloom)	blue black	
☐ 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	moderately firm	
☐ *Berry: particular flavour	none	
☐ *Berry: formation of seeds	none	
☐ Woody shoot: main colour	yellowish brown	

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'IFG Twenty-six'	'IFG Eight'
☐ Inflorescences: Time of full flowering (50%)	early	

Prior Applications and Sales:

Country	Year	Status	Name Applied
United States	**2016**	Granted	'IFG TWENTY-SIX'
South Africa	2018	Granted	'IFG TWENTY-SIX'
China	20/09/2018	Granted	'IFG TWENTY-SIX'
Egypt	11/10/2018	Granted	'IFG TWENTY-SIX'
EU	17/12/2018	Granted	'IFG TWENTY SIX'
Mexico	25/04/2019	Granted	'IFG TWENTY-SIX'
Chile	27/11/2019	Pending	'IFG TWENTY SIX'
Israel	2020	Pending	'IFG TWENTY-SIX'
Australia	2021	Pending	'IFG TWENTY-SIX'

UK	2021	Pending	‘IFG TWENTY-SIX’
Peru	2021	Granted	‘IFG TWENTY-SIX’
Brazil	2021	Pending	‘IFG TWENTY-SIX’

No prior vine sales. Fruit first sold in Mexico on 01 November 2018.

Description: Jennifer Hashim-Maguire, AUSCAL Viticulture Pty Ltd, Mildura, VIC

Vitis vinifera variety ‘IFG Twenty-six’

Details of Application

Application Number	2021/017
Variety Name	'IFG Thirty-three'
Genus Species	*Vitis vinifera*
Common Name	Grape vine
Accepted Date	30 Jun 2021
Applicant	Bloom Fresh International Limited, London, United Kingdom
Agent	Baker McKenzie, Sydney, NSW
Qualified Person	Jennifer Hashim-Maguire

Details of Comparative Trial

Overseas Testing Authority	Department of Agriculture, Land Reform & Rural Development, Republic of South Africa
Overseas Data Reference Number	*ZA 20227693*
Location	De Vlei De Doorns Hex River, South Africa
Descriptor	Grapevine UPOV TG/50/9, 2008-04-09
Period	2020-2022
Conditions	
Trial Design	As per Technical Examination / DUS test report supplied by Department of Agriculture, Forestry & Fisheries, Genetics Resources, Division of Plant Breeders' Rights, Pretoria, Republic of South Africa
Measurements	
RHS Chart - edition	

Origin and Breeding

Controlled pollination: Hand pollinated cross of the of IFG 02048-103-031, an unnamed seedless selection from the IFG breeding program and 'IFG Fourteen' hybridized in May 2009. Abortive seed traces embryo cultured and the resulting seedling vines planted in the field in April 2010. Selected as a single plant in July 2012 and asexually propagated via hardwood cuttings in December 2012. Planted in an 18-vine evaluation block in April 2013. Vines evaluated for commercial potential from 2014 to 2017. Breeder: David Cain, Bakersfield, CA 93308, 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	colour of flesh	absent or very weak
Berry	shape	broad ellipsoid to narrow ellipsoid
Berry	particular flavour	none
Berry	presence of seed	rudimentary

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Navsel 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	'IFG Thirty-three'	'Navsel 3'
☐ *Time of: bud burst	medium	
☐ *Young shoot: openness of tip	half open	
☐ *Young shoot: prostrate hairs on tip	sparse to medium	
☐ *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	absent or very sparse	
☐ Shoot: colour of dorsal side of internodes	green to green and red	
☐ *Shoot: colour of ventral side of internodes	green	
☐ Shoot: colour of dorsal side of nodes	green to green and 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	
☐	*Mature leaf: shape of blade	wedge-shaped to circular	
☐	Mature leaf: blistering of upper side of blade	weak	
☐	*Mature leaf: number of lobes	five to seven	
☒	Mature leaf: depth of upper lateral sinuses	medium	medium to deep
☐	Mature leaf: arrangement of lobes of upper lateral sinuses (varieties with lobed leaves only)	slightly overlapped to strongly overlapped	
☐	*Mature leaf: arrangement of lobes of petiole sinus	half open	
☒	*Mature leaf: length of teeth	short to medium	medium
☐	*Mature leaf: ratio length/width of teeth	small to 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	very low to 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	equal	
☒	*Time of: beginning of berry ripening	medium	early
☐	*Bunch: size (peduncle excluded)	small	

☐ *Bunch: density	lax	
☐ Bunch: length of peduncle of primary bunch	very short to short	
☐ *Berry: size	medium	
☐ *Berry: shape	broad ellipsoid to narrow ellipsoid	broad ellipsoid
☐ *Berry: colour of skin (without bloom)	grey red to dark red violet	
☐ 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	moderately firm	
☐ *Berry: particular flavour	none	
☐ *Berry: formation of seeds	rudimentary	
☒ Woody shoot: main colour	yellowish brown to light brown	dark brown to medium brown

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'IFG Thirty-three'	'Navsel 3'
☐ Inflorescences: Time of full flowering (50% capfall)	medium	

Prior Applications and Sales:

Country	Year	Status	Name Applied
United States	2017	Granted	'IFG Thirty-three'
South Africa	2018	Granted	'IFG Thirty-three'
Egypt	2018	Granted	'IFG Thirty-three'
EU	2018	Granted	'IFG Thirty Three'
Brazil	2019	Pending	'IFG Thirty three'
Peru	2021	Granted	'IFG Thirty-three'

Mexico	2021	Granted	‘IFG Thirty-three’
Chile	2021	Pending	‘IFG Thirty three’
United Kingdom	2021	Pending	‘IFG Thirty-three’
Argentina	2023	Pending	‘IFG Thirty-three’
China	2023	Pending	‘IFG Thirty Three’
Dominican Republic	2023	Pending	‘IFG Thirty-three’

No prior vine sales. Fruit first sold in Brazil on 01 December 2018.

Description: **Jennifer Hashim-Maguire**, AUSCAL Viticulture Pty Ltd, Mildura, VIC

Vitis vinifera variety ‘IFG Thirty-three’

Details of Application

Application Number	2021/018
Variety Name	'IFG Thirty-seven'
Genus Species	*Vitis* hybrid
Common Name	Grape vine
Accepted Date	05 Jul 2021
Applicant	Bloom Fresh International Limited, London, United Kingdom
Agent	Baker McKenzie, Sydney, NSW
Qualified Person	Jennifer Hashim-Maguire

Details of Comparative Trial

Overseas Testing Authority	*Department of Agriculture, Land Reform & Rural Development, Republic of South Africa*
Overseas Data Reference Number	*ZA 20217359*
Location	De Vlei De Doorns Hex River, South Africa
Descriptor	Grapevine UPOV TG/50/9, 2008-04-09
Period	2019-2021
Conditions	
Trial Design	As per Technical Examination / DUS Test Report supplied by Department of Agriculture, Forestry & Fisheries, Genetics Resources, Division of Plant Breeders' Rights, Pretoria, Republic of South Africa
Measurements	
RHS Chart - edition	

Origin and Breeding

Controlled pollination: Hand pollinated cross of the '01161-040-184' (unnamed Vitis vinifera selection from the IFG breeding program), and 'IFG Thirty-four' hybridized in May 2008. Abortive seed traces embryo cultured and the resulting seedling vines planted in the field in April 2009. Selected as a single plant in September 2011 and asexually propagated via hardwood cuttings in December 2011. Planted in an 18-vine evaluation block in April 2012. Vines evaluated for commercial potential from 2013 to 2017. Breeder: David Cain, Bakersfield, CA 93308, 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	colour of flesh	dark red violet to black
Berry	shape	broad ellipsoid
Berry	particular flavour	foxy
Berry	presence of seed	rudimentary

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'IFG Twenty'	

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

Organ/Plant Part: Context	'IFG Thirty-seven'	'IFG Twenty'
☐ *Time of: bud burst	late	
☐ *Young shoot: openness of tip	slightly 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: colour of dorsal side of internodes	green	
☐ *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	small	
☒ *Mature leaf: shape of blade	wedge-shaped to circular	wedge-shaped
☐ Mature leaf: blistering of upper side of blade	weak	
☐ *Mature leaf: number of lobes	five to seven lobes	
☒ Mature leaf: depth of upper lateral sinuses	medium	shallow to 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	wide open to very wide open	half open
☒ *Mature leaf: length of teeth	medium to long	medium
☐ *Mature leaf: ratio length/width of teeth	medium to large	
☒ *Mature leaf: shape of teeth	mixture of both sides both sides straight to one side concave, one side convex	both sides convex
☐ *Mature leaf: proportion of main veins on upper side of blade with anthocyanin colouration	medium	
☐ 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	medium	
☐	*Bunch: size (peduncle excluded)	small	
☐	*Bunch: density	lax to medium	
☐	Bunch: length of peduncle of primary bunch	short	
☒	*Berry: size	medium	small to medium
☐	*Berry: shape	broad ellipsoid	
☐	*Berry: colour of skin (without bloom)	dark red violet to black	
☐	Berry: ease of detachment from pedicel	moderately easy	
☐	Berry: thickness of skin	thick	
☐	*Berry: anthocyanin colouration of flesh	absent or very weak	
☐	Berry: firmness of flesh	moderately firm	
☐	*Berry: particular flavour	foxy	
☐	*Berry: formation of seeds	rudimentary	
☐	Woody shoot: main colour	reddish brown to medium brown	

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'IFG Thirty-seven'	'IFG Twenty'
☐ Inflorescences: Time of full flowering (50% capfall)	medium to late	

Prior Applications and Sales:

Country	Year	Status	Name Applied
United States	2018	Granted	'IFG Thirty-seven'
South Africa	2019	Granted	'IFG Thirty-seven'
Egypt	2019	Granted	'IFG Thirty-seven'
Brazil	2019	Pending	'IFG Thirty seven'
EU	2020	Pending	'IFG Thirty seven'
Mexico	2020	Granted	'IFG Thirty-seven'
Peru	2020	Granted	'IFG Thirty-seven'
Israel	2020	Pending	'IFG Thirty-seven'

Chile	2020	Pending	‘IFG Thirty-seven’
United Kingdom	2021	Pending	‘IFG Thirty-seven’
China	2023	Pending	‘IFG Thirty-seven’
Ecuador	2023	Pending	‘IFG Thirty-seven’
Morocco	2023	Pending	‘IFG Thirty-seven’
Argentina	2023	Pending	‘IFG Thirty-seven’

No prior vine sales. Fruit first sold in Brazil on 01 November 2018.

Description: Jennifer Hashim-Maguire, AUSCAL Viticulture Pty Ltd, Mildura, VIC

Vitis hybrid variety ‘IFG Thirty-seven’

Details of Application

Application Number	2021/023
Variety Name	'BigSun'
Genus Species	*Prunus salicina*
Common Name	Japanese Plum
Synonym	Nil
Accepted Date	18 Mar2021
Applicant	Ben-Dor Fruits and Nurseries, 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	2019-2023
Conditions	Growing in two-dimensional high density commercial orchard with row spacing of 3.35m and tree spacing of 1.1m and limb spacing of 27.5cm.
Trial Design	Completely Randomised Design
Measurements	The data for the trials was observed and measured from 10 randomly selected plants.
RHS Chart - edition	N/A

Origin and Breeding

Open pollination: Selecting the best candidates out of the crosses completed over a 4-year period. 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. The key selection criteria were fruit flavour. Breeder: Mr. Joseph (Seffi) Ben-Dor, Fruits and Nurseries, 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
Fruit	ground colour of fruit	yellowish green

Fruit	flesh colour	yellowish green
Fruit	juiciness	medium
Stone	shape in ventral view	narrow elliptic

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Emerald Blush'	

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
'Emerald Beauty'	Time of fruit ripening	medium	late	
'Sungold'	time of fruit ripening	medium	late	
'Green Red'	shape	heart	round	

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

Organ/Plant Part: Context	'BigSun'	'Emerald Blush'
☐ Tree: type of bearing	on spurs and long shoots	on spurs and long shoots
☐ Tree: vigour	medium	medium
☐ Tree: habit	semi-upright	semi-upright
☒ One-year-old shoot: colour	brown	greyish brown
☒ Spur: length	short to medium	medium to long
☐ Vegetative bud: size	small	medium
☐ Vegetative bud: shape of apex	acute	acute
☒ One-year-old shoot: position of vegetative bud in relation to shoot	markedly held out	adpressed
☐ Leaf blade: length	medium	medium

☒ Leaf blade: width	narrow	medium
☐ Leaf blade: length width ratio	moderately elongated	moderately elongated
☐ Leaf blade: shape	elliptic	elliptic
☐ Leaf blade: colour of upper side	dark green	dark green
☐ Leaf blade: angle of apex (excluding tip)	right angled	obtuse
☐ Leaf blade: density of pubescence of lower side	medium	medium
☒ Leaf blade: incisions of margin	crenate	serrate
☐ Petiole: length	long	medium to long
☐ Leaf: position of nectaries	predominantly on base of leaf blade	predominantly on base of leaf blade
☐ Pedicel: length	medium	medium
☐ Flower: diameter	medium	small to medium
☒ Flower: arrangement of petals	overlapping	free
☐ Sepal: shape	narrow elliptic	narrow elliptic
☐ Petal: length	medium	medium
☐ Petal: shape	circular	elliptic
☐ Petal: undulation of margin	medium	
☒ Stigma: position in relation to anthers	same level	below
☐ Fruit: length of stalk	medium	medium
☒ Fruit: size	large to very large	medium
☒ Fruit: height	medium	short
☐ Fruit: width	broad	medium to broad
☐ Fruit: shape in lateral view	oblate	circular

☐ Fruit: symmetry	moderately asymmetric	moderately asymmetric
☐ Fruit: shape of base	depressed	depressed
☐ Fruit: shape of apex	pointed	rounded
☐ Fruit: depth of stalk cavity	medium	deep
☐ Fruit: width of stalk cavity	medium	broad
☒ Fruit: depth of suture	absent or very shallow	medium
☒ Fruit: bloom of skin	strong	medium
☐ Fruit: ground colour of skin	yellowish green	yellowish green
☒ Fruit: relative area of over colour	absent or very small to small	medium
☒ Fruit: number of lenticels	very few	few to medium
☐ Fruit: size of lenticels	medium	small
☐ Fruit: colour of flesh	yellowish green	yellow
☒ Fruit: firmness	firm	medium
☐ Fruit: juiciness	medium	medium
☐ Fruit: acidity	medium	low
☐ Fruit: sweetness	medium	high
☐ Fruit: adherence of stone to flesh	adherent	adherent
☐ Fruit: amount of fibre	medium	medium
☒ Stone: size	medium	small
☐ Stone: shape in lateral view	medium elliptic	circular
☐ Stone: shape in ventral view	narrow elliptic	narrow elliptic
☐ Stone: shape in basal view	medium elliptic	medium elliptic
☐ Stone: symmetry in lateral view	moderately	strongly

	asymmetric	asymmetric
☐ Stone: texture of lateral surfaces	granular	fine grained
☐ Stone: width of stalk-end	medium	narrow
☐ Time of beginning of flowering:	late to very late	late to very late
☐ Time of beginning of fruit ripening:	early to medium	early

Prior Applications and Sales:

Nil

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

Japanese Plum (*Prunus salicina*) variety 'BigSun'

Details of Application

Application Number	2021/035
Variety Name	'HOLIDEI'
Genus Species	*Lactuca sativa*
Common Name	Lettuce
Accepted Date	05-Jul-2021
Applicant	Vilmorin Mikado SA, La Menitre, FRANCE
Agent	Spruson & Ferguson, Sydney, NSW
Qualified Person	Calixto Dilag

Details of Comparative Trial

Location	Templestowe, Vic
Descriptor	TG/13/11
Period	Summer to Autumn 2023
Conditions	Trial was established in Templestowe. Raised beds were used with fleece weed mats and drip irrigation system.
Trial Design	Side by side comparison. Three rows per plot of 100 plants for each generation and comparator.
Measurements	As per UPOV test guideline
RHS Chart - edition	5th Edition

Origin and Breeding

Controlled Pollination: Cross made in Summer 2014 between the two parents. F2 68/18159/01 was screened in France in Summer 2015 under the plot number 15/18500. F3 15/18500/04 was harvested in France in Autumn 2015 and then tested for *Bremia lactucae* resistance. F3 15/18500/04 was screened in France in Summer 2016 under the plot number 16/19624. F4 16/19624/12 was harvested in France in Autumn 2016 and then tested for *Bremia lactucae* resistance. F4 16/19624/12 was screened in France in Summer 2017 under the plot number 17/19805. F5 17/19805/15 was harvested in France in Autumn 2017 and then tested for *Bremia lactucae* resistance. F6 17/19805/150 was produced in France during summer 2018 and harvest in Autumn 2018. Main selection criteria used to develop the variety were *Bremia lactucae* resistance, bolting tolerance, intensity of green colour and leaf thickness. Vilmorin Breeding Station, La Menitre, France.

Choice of Comparators

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Leaf	anthocyanin coloration	absent
Resistance to Bremia	Bl isolate 16	present
Plant	degree of overlapping of upper part of leaves	weak

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Themes'	

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

Organ/Plant Part: Context	'HOLIDEI'	'Themes'
☒ Seed: colour	white	black
☐ Plant: diameter	small	small
☐ Plant: degree of overlapping of upper part of leaves	absent or weak	absent or weak
☐ Plant: number of leaves	many	many
☐ Leaf: attitude	erect to semi-erect	semi-erect
☐ Leaf: number of divisions	absent or very few	absent or very few
☐ Leaf: shape	obovate	obovate
☐ Leaf: shape of apex	rounded	rounded
☐ Leaf: longitudinal section	convex	convex
☐ Leaf: anthocyanin colouration	absent or very weak	absent or very weak
☐ Leaf: colour	green	green

☒ Leaf: intensity of green colour	medium	dark
☐ Leaf: glossiness of upper side	strong	strong
☐ Leaf: thickness	thick	thick
☐ Leaf: blistering	medium	medium
☐ Leaf: size of blisters	large	large
☐ Leaf: undulation of margin	medium	medium
☐ Leaf: venation	semi-flabellate	semi-flabellate
☒ Plant: time of beginning of bolting	medium	late
☐ Resistance to *Bremia lactucae* (Bl) Isolate Bl: 16	present	present
☐ Resistance to *Bremia lactucae* (Bl) Isolate Bl: 17	present	present
☐ Resistance to *Bremia lactucae* (Bl) Isolate Bl: 20	present	present
☐ Resistance to *Bremia lactucae* (Bl) Isolate Bl: 21	present	present
☐ Resistance to *Bremia lactucae* (Bl) Isolate Bl: 22	present	present
☐ Resistance to *Bremia lactucae* (Bl) Isolate Bl: 23	present	present
☐ Resistance to *Bremia lactucae* (Bl) Isolate Bl: 24	present	present
☐ Resistance to *Bremia lactucae* (Bl) Isolate Bl: 25	present	present
☐ Resistance to *Bremia lactucae* (Bl) Isolate Bl: 26	present	present
☐ Resistance to *Bremia lactucae* (Bl) Isolate Bl: 27	present	present
☐ Resistance to *Bremia lactucae* (Bl) Isolate Bl: 29	present	present
☐ Resistance to *Bremia lactucae* (Bl) Isolate Bl: 30	present	present
☐ Resistance to *Bremia lactucae* (Bl) Isolate Bl: 31	absent	present
☐ Plant: Resistance to Lettuce mosaic virus (LMV) Pathotype II	absent	absent
☐ Resistance to Nasonovia ribisnigri (Nr): 0	present	present
☐ Plant: Resistance to Fusarium oxysporum f.sp. lactucae (Fol) Race 1	highly resistant	highly resistant

Prior Applications and Sales:

Country	Year	Status	Name Applied
UK	2019	Pending	'HOLIDEI'

Nil sales

Description: Calixto Dilag, Bulleen, VIC

Lettuce (*Lactuca sativa*) – Candidate 'HOLIDEI' showing differences in foliar and growth characteristics with comparator 'Themes'

Details of Application

Application Number	2021/113
Variety Name	'KX2'
Genus Species	*Brassica napus subsp. napus* var. *pabularia*
Common Name	Siberian Kale
Accepted Date	07 Jul 2021
Applicant	Vilmorin-Mikado USA, Inc. Harris Place Salinas California, USA.
Agent	Spruson & Ferguson, Bourke Street, Melbourne VIC.
Qualified Person	Calixto Dilag

Details of Comparative Trial

Location	Templestowe, Vic
Descriptor	Brown Mustard (*Brassica juncea*) TG/335/1
Period	Jan – June 2022
Conditions	DUS trial was assessed in Autumn 2022. Planted in full sunlight, raised bed and with drip irrigation.
Trial Design	Side by side field comparison.
Measurements	As per TG
RHS Chart - edition	

Origin and Breeding

Cross pollination: A F1 selection from two separate breeding lines of Parent 1 were used as a parent in the initial cross. This parent was crossed to a selection of Parent 2. This new three-way cross was segregating as none of the parents were fixed lines prior to using as parents. A desirable selection was made of this population that showed potential. This new selection was self-pollinated to the "F2" generation where plants continued to segregate. Selection and self-pollination were done for a total of 4 generations until the fixed line was identified at the F5. Plants were then space planted in the field and selected plants were allowed to intermate under an insect exclusion cage with the aid of insects. Seeds from this cage were bulked together to form one lot that became KX-2. Main selection criteria used to develop the variety were baby leaf agronomic performance, mildew tolerance, seed yield. Breeders: Shamrock Seed Company, Inc. California, USA.

Choice of Comparators:

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Seed	colour	blackish brown
Leaf	type	lobed
Leaf	shape	spatulate

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Red Russian'	

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
'Purple Napini'	petiole colour	green/white	pink/red	
'Wang Wang Kallan'	petiole colour	green/white	pink/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	'KX2'	'Red Russian'
☐ Seed: colour	blackish brown	blackish brown
☐ Hypocotyl: anthocyanin colouration	absent or weak	absent or weak
☐ Leaf: type	lobed	lobed
☐ Leaf: shape	spatulate	spatulate
☐ Leaf: attitude	semi-erect	semi-erect
☐ Leaf: length	short	medium
☐ Leaf: width	narrow	narrow

☐ Leaf: length of petiole	medium	medium
☐ Leaf: width of petiole	narrow	narrow
☐ Leaf blade: size of terminal lobe	small	small
☐ Leaf blade: number of lateral lobes	medium	medium
☐ Leaf blade: pubescence on lower side	absent or weak	absent or weak
☒ Leaf blade: anthocyanin colouration	absent or very weak	weak to medium
☐ Leaf blade: intensity of green colour	medium	light
☐ Leaf blade: undulation of margin	weak	medium
☐ Leaf blade: density of incisions of margin	medium to dense	dense
☐ Leaf blade: blistering	absent or weak	medium
☐ Plant: head formation	absent	absent
☐ Plant: time of beginning of bolting	late	late
☐ Plant: time of flowering	late	late
☐ Plant: height	tall	medium
☐ Silique: length	medium	medium
☐ Silique: length of beak	short	short
☐ Silique: width	narrow	narrow

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'KX2'	'Red Russian'
☒ Stem: node length	long	short
☒ Stem: anthocyanin coloration	absent	present

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2021	In progress	'KX2'
GB	2022	In progress	'KX2'

NZ 2022 Granted ‘KX2’

Prior sale Nil

Description: Calixto Dilag, HM. Clause Pacific Pty Ltd, Bulleen, VIC.

Siberian Kale (*Brassica napus subsp. napus var. Pabularia*) variety ‘KX2’

Details of Application

Application Number	2021/131
Variety Name	'LM700'
Genus Species	*Lomandra confertifolia* subsp *rubiginosa*
Common Name	Mat Rush
Accepted Date	04-Nov-2021
Applicant	Evan Clucas and Leanne Weston, Wandin North, VIC
Agent	Ozbreed Green Life Pty Ltd, Clarendon, NSW
Qualified Person	John Oates

Details of Comparative Trial

Location	Clarendon, NSW Australia
Descriptor	TG/287/1
Period	2022-2024
Conditions	Plants growing without cover in 30cm pots, regular overhead irrigation as required.
Trial Design	Pots arranged in a random pattern in a block design
Measurements	As per UPOV Technical Guidelines
RHS Chart - edition	Sixth Edition (2015)

Origin and Breeding

Seedling Selecton: Selection from open pollinated sourced seeds: A selection trial conducted at/by Kuranga Native Nursery in 2000 using seed collected from an isolated collection of *Lomandra confertifolia* subsp *rubiginosa* Common form plants. Approximatly 8,000 seedlings were raised and trialled over a period of several years. In 2008, the best potted selections were identified and planted out in a trial bed at Kuranga Native Nursery, Mt Evelyn Victoria In 2015, after inground-trialling, the final superior selections were identified, based on the characters of: plant form; dissimilarity to pre-existing *Lomandra* cultivars, foliage colour and lack of suckering habit. These selections were replicated by dividing offshoots from the garden specimens and growing on into 15cm pots. The final selection 'LM700'was identified in 2015. Breeder: Evan Clucas, York Rd., Mt. Evelyn, 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 blade	width	narrow
Leaf	glaucosity of upper side	very weak to weak
Leaf	main colour of upper side	Gr. 6: blue green

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Common form'	

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

Organ/Plant Part: Context	'LM700'	'Common form'
☒ Plant: habit	spreading	upright
☒ Plant: height of foliage	medium to tall	short to medium
☐ Plant: density of foliage	medium	medium
☒ Leaf: attitude of upper third	drooping	semi-erect
☒ Leaf blade: length	long	short to medium
☐ Leaf blade: width	very narrow to narrow	narrow
☐ Leaf: profile in cross section	strongly concave	strongly concave
☐ Leaf: type of apex	toothed	toothed
☒ Leaf: length of middle tooth	long	very short
☐ Leaf: texture	smooth	smooth
☐ Leaf: glaucosity of upper side	weak	very weak to weak
☐ Leaf: main colour of upper side	NN137C	NN137B
☒ Leaf: secondary colour of upper side	N92A	approx 95A

☐	Leaf: glossiness of upper side	absent or weak	absent or weak
☐	Leaf: pliability	strong	strong
☐	Basal sheath: shredding of margin	weak to medium	weak to medium
☐	Basal sheath: intensity of brown colour	light	medium
☐	Inflorescence: position in relation to foliage	below	below
☐	Inflorescence: number of branches	few	medium
☐	Inflorescence: length of flowering part	short	medium
☐	Peduncle: length	short to medium	medium
☒	Peduncle: colour	red brown	orange brown
☐	Bract: length	short to medium	medium to long
☐	Calyx: colour	grey purple	grey purple

Prior Applications and Sales:

Country	Year	Status	Name Applied
USA	2019	Granted	'LM700'

First sold in Australia, March 2021

Description: John Oates, Merimbula, NSW

Lomandra (*Lomandra confertifolia* subsp *rubiginosa*) – Candidate 'LM700' (left) showing foliar and floral differences with 'Common form'

Details of Application

Application Number	2021/139
Variety Name	'GRAZA 88'
Genus Species	*Avena sativa*
Common Name	Oats
Accepted Date	24 Mar 2022
Applicant	Her Majesty The Queen in Right of Canada as represented by the Minister of Agriculture and Agri-Food, Saskatoon, Saskatchenwan, Canada
Agent	Austgrains Pty Limited, Moree, NSW, Australia
Qualified Person	Rebecca Thistlethwaite

Details of Comparative Trial

Location	Narrabri, NSW
Descriptor	UPOV TG/20/11
Period	July-November 2022
Conditions	The trial was sown into a well-prepared seedbed at the University of Sydney Plant Breeding Institute, Narrabri NSW. Starter fertiliser was applied before planting and no irrigation was required during the season as there was adequate rainfall.
Trial Design	The trial design was a randomised complete block design with 3 replicates per genotype. Plot size was 6mX2m with 6 rows per plot with a spacing between each row of 25cm.
Measurements	Measurements were taken from 30 plants selected at random for each genotype.
RHS Chart - edition	N/A

Origin and Breeding

Controlled pollination: An FI Plant from the cross 03P22A-BM1 x Pc97 was used as the pollen parent in the cross to produce 'GRAZA 88' (03P22A-BM1 x 03P22A-BM1/Pc97). The line was F5 generation in the 2010 NZ winter nursery. Seed that Australian Quarantine received was the F6 generation, which came from an F3-derived F5 line. The last generation where a single head selection was made in this line was at the F3 generation, in Summer 2009. The following generations were just advancing the line by selfing, with no single seed or single head selections being made. Breeder: Dr Jennifer Mitchell Fetch, Agriculture and Agri-food Canada, Saskatoon, Saskatchewan, Canada.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Seed	colour of lemma	yellow
Stem	hairiness of uppermost node	absent or very weak
Glume	glaucosity	absent or very weak
Grain	husk	present
Seasonal type		winter type

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Yarran'	Early, mid-season maturing feed and hay variety
'Bronco'	Crown rust resistant, late maturing forage oat

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
'Wizard'	Primary grain	hariness of base	absent or weak	strong	
'Warlock'	Plant	plant length	medium	long	
'Graza 53'	Plant	growth habit	semi-erect	erect	
'Graza 85'	Plant	frequency of plants with recurved flag leaves	medium	low	
'Genie'	Plant	growth habit	semi-erect	erect	

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

Organ/Plant Part: Context	'GRAZA 88'	'Bronco'	'Yarran'
☐ Seed: colour of lemma	yellow	yellow	yellow
☒ Plant: growth habit	erect	semi-erect	intermediate

☐ Lowest leaves: hairiness of sheaths	absent or weak	absent or weak	absent or weak
☐ Leaf blade: hairiness of margins	absent or very weak	absent or very weak	absent or very weak
☒ Plant: frequency of plants with recurved flag leaves	medium	medium	low
☐ Panicle: time of emergence	late	medium	very early to early
☐ Stem: hairiness of uppermost node	absent or very weak	absent or very weak	absent or very weak
☐ Flag leaf: glaucosity of sheath	absent or weak	absent or weak	absent or weak
☐ Glume: glaucosity	absent or very weak	absent or very weak	absent or very weak
☐ Panicle: attitude of branches	semi-erect	semi-erect	semi-erect
☐ Glume: length	long	short	medium
☐ Primary grain: glaucosty of lemma	absent or very weak	absent or very weak	absent or very weak
☐ Plant: length	medium	medium	medium to long
☐ Panicle: length	medium	medium	short to medium
☐ Grain: husk	present	present	present
☐ Seed: colour of lemma, hairiness of back of lemma	absent	absent	absent
☐ Primary grain: hairiness of base	absent or weak	absent or weak	absent or weak
☒ Primary grain: length of basal hairs	short	medium	long
☐ Primary grain: frequency of awns	absent or low	absent or low	absent or low
☐ Primary grain: length of lemma	medium	medium	medium
☐ Primary grain: length of rachilla	medium	medium	medium
☐ Seasonal type:	winter type	winter type	winter type

Additional characteristics:

Organ/Plant Part: Context	'GRAZA 88'	'Bronco'	'Yarran'
☐ Leaf: basal hair	weak	-	strong
☒ Rust resistance	MR-R	-	S-MS

Statistical Table

Organ/Plant Part: Context	'GRAZA 88'	'Bronco'	'Yarran'
☐ Glume: length (mm)			
Mean	26.65	21.91	27.10
Std. Deviation	1.78	1.59	19.58
Lsd/sig	.991	P≤0.01	ns
☐ Panicle: length (mm)			
Mean	288.88	275.33	236.00
Std. Deviation	27.95	32.67	33.44
Lsd/sig	<.001	ns	P≤0.01
☐ Lemma: length (mm)			
Mean	17.43	12.68	16.46
Std. Deviation	1.00	0.75	1.75
Lsd/sig	<.001	P≤0.01	P≤0.01
☐ Basal hair: length (mm)			
Mean	1.19	0.95	3.00
Std. Deviation	0.31	0.32	0.97
Lsd/sig	<.001	P≤0.01	P≤0.01
☐ Rachilla: length (mm)			
Mean	2.69	2.48	1.63
Std. Deviation	0.28	0.35	0.47
Lsd/sig	<.001	P≤0.01	P≤0.01
☐ Plant: height (cm)			
Mean	121.14	131.67	130.00
Std. Deviation	12.67	20.21	5.00
Lsd/sig	0.421	ns	ns

Prior Applications and Sales:

Nill

Description: Rebecca Thistlethwaite, Narrabri, NSW

Oats (*Avena sativa) variety* 'GRAZA 88' showing the difference Primary grain: length of basal hairs with its comparator 'Yarran'

Details of Application

Application Number	2021/155
Variety Name	'PG38'
Genus Species	*Avena sativa*
Common Name	Oats
Accepted Date	14-Sep-2021
Applicant	S&W Seedco Australia, Wingfield, SA 5013.
Qualified Person	Stephen Moore, Kew, NSW 2439.

Details of Comparative Trial

Location	Trigall Australia Field Research Station Clifton Rd, Breeza NSW 2381
Descriptor	TG/20/11 Oats
Period	May to November 2023
Conditions	The comparative trial was planted into moisture in a well cultivated bed of deep, uniform vertosol clay, located in bay C6B at Trigall Australia Field Research Station, Breeza NSW. The trial was planted into appropriate soil moisture and cool soil temperatures. Seasonal conditions were above average to Zadoks 30 growth stage followed by very dry and warm conditions during late August and continuing through to October. No incidences of severe frost were recorded during sensitive growth stages. To produce average seasonal conditions the trial had 4 supplemental irrigations. There were no major plant health issues during the season and plant nutrition was managed to local grower conditions. Trial harvest was optimal to plant harvest maturity.
Trial Design	Plots arranged in randomised complete blocks,6m long & 1.5m wide (5 rows) in 5 replicates
Measurements	Taken from 10 random plants per replicate (minimum of 3 random replicates) from approximately 2,500 plants
RHS Chart - edition	

Origin and Breeding

Controlled pollination: Seeds of Drover and Aladdin, and control varieties Genie and Outback were vernalised in petri dishes for four weeks in July 2012. Seedlings were transplanted to pots in August. Plants were cross pollinated in November with both Drover and Aladdin as male and female parents. The F1 generation was grown in 2013. Seed was harvested from 29 Drover x Aladdin plants and 16 plants from the reciprocal cross. The F2 generation was grown in 2014. There were 160 plants of Drover x Aladdin and 100 of the reciprocals. Based on disease resistance, resistance to lodging vigour

and seed yield 40 selections were sent to South Australia for evaluation of field performance. One selection, PG 38, was found to be superior and has been further evaluated for six years. Breeder: Dr Ross Downes, S&W Seedco Australia Pty Ltd, 14-16 Hakkinen Rd, Wingfield, SA 5013.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Seed	colour	yellow
Lowest leaves	hairiness of sheaths	absent or weak
Glume	glaucosity	absent or very weak to weak
Grain	husk	present
Primary grain	glaucosity of lemma	absent or very weak

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Bronco'	
'Drover'	Maternal parent
'Graza 53'	
'Graza 85'	
'Lavish'	
'Warlock'	

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
'Coolibah'	Panicle time of emergence	medium to late	very early to early	
'Winteroo'	Panicle time of emergence	medium to late	very early to early	

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

Organ/Plant Part: Context	'PG38'	'Bronco'	'Drover'	'Graza 53'	'Graza 85'	'Lavish'	'Warlock'
☐ Seed: colour of lemma	yellow	yellow	yellow	yellow	yellow	yellow	yellow
☒ Plant: growth habit	intermediate to semi-prostrate	semi-erect	intermediate	semi-erect to intermediate	intermediate	semi-erect	semi-erect
☐ Lowest leaves: hairiness of sheaths	absent or weak	absent or weak	absent or weak	absent or weak	absent or weak	absent or weak	absent or weak
☐ Leaf blade: hairiness of margins	absent or very weak	absent or very weak	absent or very weak	weak	weak	absent or very weak	absent or very weak
☒ Plant: frequency of plants with recurved flag leaves	low to medium	absent or very low to low	absent or very low to low	absent or very low to low	low to medium	low	absent or very low to low
☒ Stem: hairiness of uppermost node	absent or very weak	absent or very weak	absent or very weak	weak	weak	absent or very weak	weak
☒ Flag leaf: glaucosity of sheath	medium	absent or weak	absent or weak to medium	medium	medium	medium	absent or weak
☐ Glume: glaucosity	absent or very weak to weak	absent or very weak	absent or very weak to weak	absent or very weak	absent or very weak	absent or very weak to weak	absent or very weak
☒ Panicle: attitude of branches	semi-erect	semi-erect	semi-erect	horizontal	horizontal	erect	horizontal

☐ Primary grain: glaucosty of lemma	absent or very weak	absent or very weak	absent or very weak	absent or very weak	absent or very weak	absent or very weak	absent or very weak
☐ Grain: husk	present	present	present	present	present	present	present
☒ Primary grain: hairiness of base	absent or weak	absent or weak	absent or weak	absent or weak	strong	absent or weak	medium
☒ Primary grain: length of basal hairs	long	short	short	medium	long	short	long
☐ Primary grain: frequency of awns	absent or low	absent or low	absent or low	absent or low	absent or low	absent or low	absent or low
☒ Primary grain: length of rachilla	long	long	medium	medium to long	medium	medium to long	medium to long

Statistical Table

Organ/Plant Part: Context	'PG38'	'Bronco'	'Drover'	'Graza 53'	'Graza 85'	'Lavish'	'Warlock'
☒ Panicle: time of emergence (days)							
Mean	278.00	277.00	274.00	284.00	280.00	286.00	276.00
Std. Deviation	0.74	1.14	0.70	0.54	1.00	0.54	0.83
Lsd/sig	5.18	ns	ns	P≤0.01	ns	P≤0.01	ns
☒ Plant: length (cm)							
Mean	122.00	137.70	123.36	134.46	144.53	125.46	141.77
Std. Deviation	4.42	8.60	6.49	5.96	6.71	5.14	9.38
Lsd/sig	7.25	P≤0.01	ns	P≤0.01	P≤0.01	ns	P≤0.01
☒ Glume: Length (mm)							
Mean	19.90	20.85	18.25	19.40	20.90	20.15	21.45
Std. Deviation	1.14	1.18	1.55	1.18	1.58	1.53	1.19
Lsd/sig	1.5	ns	P≤0.01	ns	ns	ns	P≤0.01
☒ Panicle: Length (mm)							
Mean	198.00	226.70	191.50	230.90	262.65	229.05	226.35
Std. Deviation	12.90	16.87	23.77	21.19	31.09	20.36	26.94
Lsd/sig	22.41	P≤0.01	ns	P≤0.01	P≤0.01	P≤0.01	P≤0.01
☒ Primary grain: length of lemma(mm)							
Mean	12.80	15.05	12.75	13.55	17.10	15.10	15.80
Std. Deviation	0.76	1.19	0.85	0.88	0.85	0.71	0.83
Lsd/sig	0.98	P≤0.01	ns	ns	P≤0.01	P≤0.01	P≤0.01

Prior Applications and Sales:

Nill

Description: Stephen Moore, Kew, NSW 2439.

Oats (*Avena sativa)* variety *'*PG38' with its comparator 'Drover'

Details of Application

Application Number	2021/164
Variety Name	'Red Crispita II'
Genus Species	*Lactuca sativa*
Common Name	Lettuce
Accepted Date	16-Nov-2021
Applicant	Syngenta Crop Protection AG, Basel, Switzerland 4058
Agent	Syngenta Australia Pty. Ltd., Macquarie Park, NSW 2113
Qualified Person	David Gillespie

Details of Comparative Trial

Location	Gatton district
Descriptor	TG/13/11 Lettuce *Lactuca sativa*
Period	2023
Conditions	Trial was located at Liston NSW. The soil type is a deep sandy loam. The trial was irrigated by overhead sprinklers, fertilizer and spray program was to grower practice. Plants were stress free. Trial sown on 4/09/2023 at Gatton. Plants were transplanted on 11/10/2023 at Liston New South Wales.
Trial Design	Randomized complete block design with 2 replications. Datum plots had 30 plants in 4 row beds
Measurements	Measurements recorded were as defined in TG//13/11
RHS Chart - edition	Edition 6

Origin and Breeding

Controlled pollination: A Syngenta breeding line, later on called 'Red Crispita II', originated in 2014 with a cross between two breeding Syngenta lines. In 2014 F1 plants were selfed to obtain an F2 population, segregating for traits of interest. The main selection criteria were Bremia lactucae disease resistance, leaf type, leaf thickness and leaf colour. Over the mentioned F2 population, during 2015 individual plants were selected and selfed, producing F3 lines. The same selection and selfing process took place over 4 years, focusing on fixation of the line and in all there were seven cycles of selection. Breeder: Miguel Roca, Syngenta Crop Protection AG, Basel, Switzerland 4058.

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
Resistance to:	Bremia lactucae	Not Observed
Seed	colour	Black
Time of	beginning of bolting	early
Leaf	area covered by anthocyanin	very large

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Red Crispita'	very 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	'Red Crispita II'	'Red Crispita'
☐ Seed: colour	black	black
☐ Plant: diameter	very small to small	very small to small
☐ Plant: degree of overlapping of upper part of leaves	absent or weak	absent or weak
☒ Plant: number of leaves	very few	few
☐ Leaf: attitude	erect	erect
☐ Leaf: number of divisions	absent or very few	absent or very few
☐ Leaf: shape	broad obtrullate	broad obtrullate
☐ Leaf: shape of apex	acute	acute
☐ Leaf: longitudinal section	concave	concave
☐ Leaf: anthocyanin colouration	very strong	very strong
☐ Leaf: hue of anthocyanin colouration	purplish	purplish
☐ Leaf: area covered by anthocyanin colouration	very large	very large
☐ Leaf: glossiness of upper side	strong to very strong	strong to very strong

☐ Leaf: thickness	very thick	very thick
☐ Leaf: blistering	absent or very weak	absent or very weak
☐ Leaf: size of blisters	very small	very small
☐ Leaf: undulation of margin	weak	weak
☐ Leaf: type of incisions of margin	bidentate	bidentate
☐ Leaf: depth of incisions of margin	shallow	shallow
☐ Leaf: depth of secondary incisions of margin	shallow	shallow
☐ Leaf: density of incisions of margin	dense	dense
☐ Leaf: venation	flabellate	flabellate
☐ Stem: colour of flesh	light green	light green
☐ Upper part of leaves: time of harvest maturity	early	early
☐ Plant: time of beginning of bolting	early	early
☐ Plant: axillary sprouting	absent or weak	absent or weak
☐ Resistance to *Nasonovia ribisnigri* (Nr): 0	absent	

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	**'Red Crispita II'**	**'Red Crispita'**
☐ Cotyledon: length	medium	medium
☐ Cotyledon: shape	spatulate	spatulate
☐ **L**eaf blade: anthocyanin coloration	RHS N77A	RHS N77A

Statistical Table

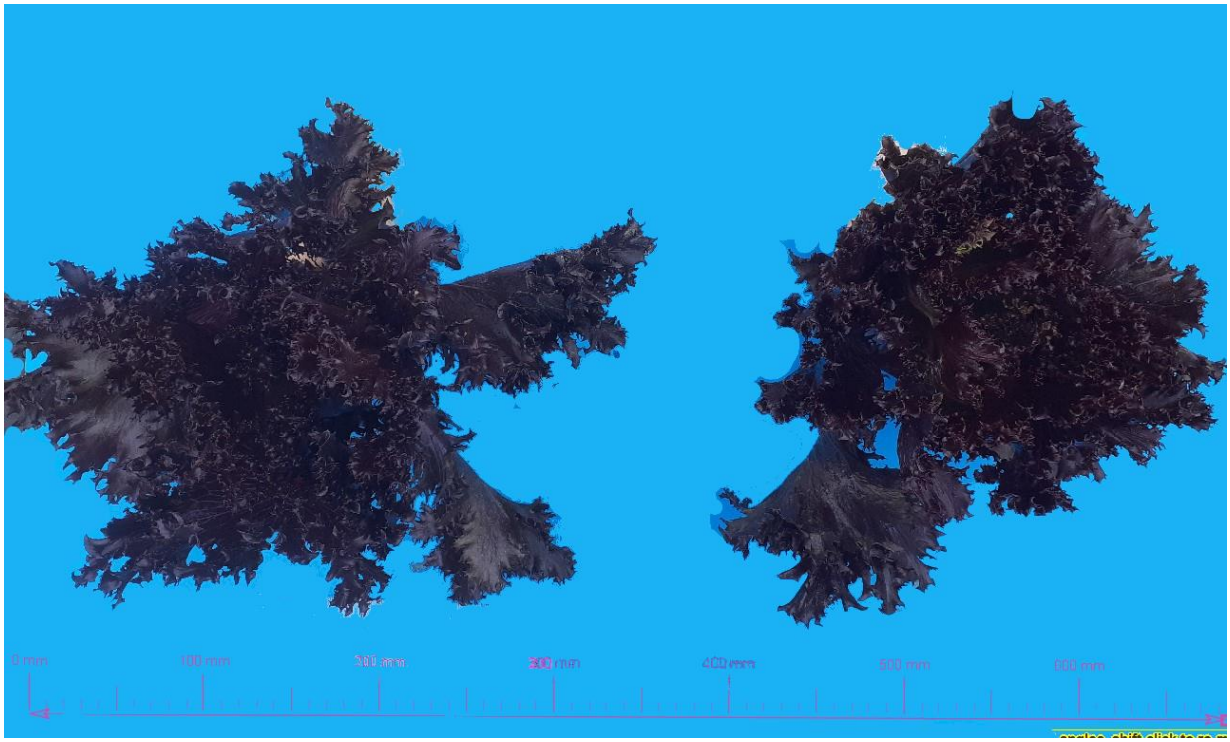
Organ/Plant Part: Context	**'Red Crispita II'**	**'Red Crispita'**
☒ Plant: number of leaves		
Mean	10.80	22.40
Std. Deviation	1.08	1.72
Lsd/sig	0.97	P≤0.01

Prior Applications and Sales:

Country	Year	Status	Name Applied
European Union	2020	Pending	'Red Crispita II'
Netherlands	2020	Pending	'Red Crispita II'
United Kingdom	2020	Pending	'Red Crispita II'
Netherlands	2019	Withdrawn	'Red Crispita II'

First sold in European Union on 05 March 2020.

Description: David Gillespie, Ormiston, QLD 4610



Lettuce (Lactuca sativa) 'Red Crispita II' (left) has more leaves than its comparator 'Red Crispita' (right)

Details of Application

Application Number	2021/186
Variety Name	Eves Delight 2
Genus Species	Fragaria xananassa
Common Name	Strawberry
Accepted Date	25-Nov-2021
Applicant	Edward Vinson Ltd, Kent, UK
Agent	BerryWorld Australia Pty Ltd, Wamuran, QLD
Qualified Person	Garry Langford

Details of Comparative Trial

Location	2964 Tasman Highway, Orielton, Tasmania
Descriptor	22/11
Period	2022-23
Conditions	Growing in substrate in Haygrove tunnels.
Trial Design	40 plants each of the candidate and comparator planted adjacent to each other
Measurements	mm - kg
RHS Chart - edition	2000

Origin and Breeding

Controlled pollination: Crossing completed in 2013 with first observations made in 2014. The candidate was propagated vegetatively and planted into trials and assessed over 7 generations. Selection was based on yield, uniformity of shape and colour, fruit size, skin firmness and flavour. Breeder: Edward Vinson Ltd, Kent, UK

Choice of Comparators :

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	growth habit	upright
Petal	colour of upper side	white

Fruit	shape	conic
Fruit	flowering runners	present

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Monterey'	Fruiting characteristics similar to the candidate
'Portola'	Fruit colour and timing of maturity similar to 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
'Portola'	Plant: Growth habit	upright	semi-upright	
	Fruit: Position of calyx attachment	inserted	raised	

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

Organ/Plant Part: Context	'Eves Delight 2'	'Monterey'
☐ Plant: growth habit	upright	upright
☐ Plant: density of foliage	medium	dense
☐ Plant: vigor	strong to very strong	strong to very strong
☐ Plant: position of inflorescence in relation to foliage	same level	slightly above
☐ Plant: number of stolons	medium to many	few to medium
☐ Stolon: intensity of anthocyanin coloration	medium	absent or very weak
☒ Leaf: size	large to very large	medium to large
☐ Leaf: colour of upper side	dark green	dark green
☐ Leaf: rugosity	medium	medium
☐ Leaf: glossiness	medium	medium

☐	Terminal leaflet: length in relation to width	slightly longer than broad	slightly longer than broad
☒	Terminal leaflet: shape of base	obtuse	acute
☐	Terminal leaflet: margin	serrate to crenate	serrate to crenate
☐	Terminal leaflet: depth of incisions of margin	deep	deep
☐	Leaf: profile in cross-section	concave	concave
☐	Petiole: length	long	long
☒	Petiole: attitude of hairs	upwards	outwards
☐	Stipule: intensity of anthocyanin colouration	medium	medium
☐	Flower: diameter	medium to large	medium
☒	Flower: arrangement of petals	overlapping	free
☐	Flower: size of calyx in relation to corolla	large	same size
☐	Flower: stamen	present	present
☐	Petal: shape	transverse elliptic	transverse elliptic
☐	Petal: ratio length/width	medium	medium
☐	Petal: colour of upper side	white	white
☐	Fruit: length in relation to width	long	long
☐	Fruit: size	large	medium to large
☐	Fruit: shape	conic	conic
☐	Fruit: position of maximum width	strongly towards calyx	strongly towards calyx
☐	Fruit: shape of apex	rounded	rounded
☐	Fruit: shape at calyx end	retuse	retuse
☐	Fruit: colour	orange red	orange red
☐	Fruit: width of band without achenes	absent or very narrow	very narrow to narrow

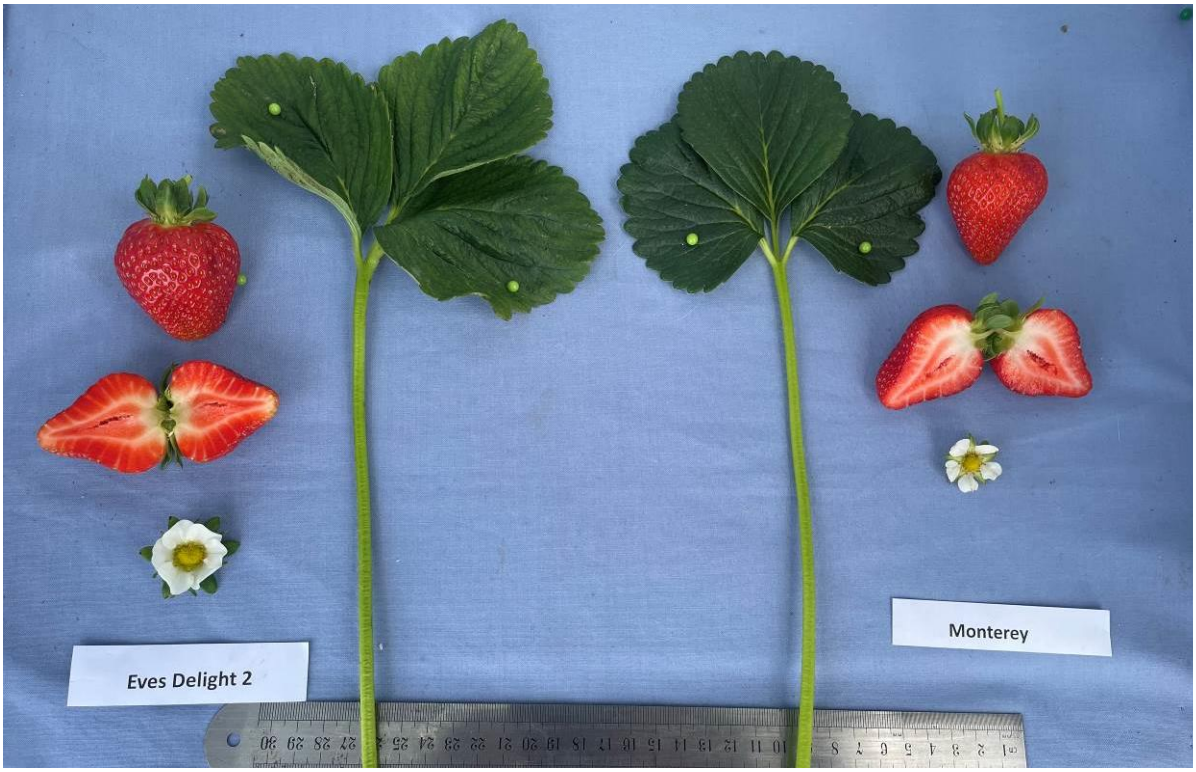
☐ Fruit: position of achenes	slightly below surface	strongly below surface
☐ Fruit: colour of achenes	greenish	greenish
☐ Fruit: density of achenes	medium	medium
☐ Fruit: position of calyx attachment	inserted	inserted
☐ Fruit: attitude of sepals	upwards	upwards
☐ Fruit: diameter of calyx in relation to diameter of fruit	same size	same size
☐ Fruit: colour of flesh	medium red	medium red
☐ Fruit: colour of core	medium red	light red
☐ Time of beginning of: flowering	very early to early	early
☐ Time of beginning of: fruit ripening	early	early
☐ Flowering: runners	present	present

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2018	pending	'Eves Delight 2'
Mexico	2019	Granted	'Eves Delight 2'
USA	2019	granted	'Eves Delight 2'
Canada	2020	pending	'Eves Delight 2'
Russia	2020	pending	'Eves Delight 2'

First sold in UK on 12th Dec 2018 as 'AK43'

Description: **Garry Langford**, Tasmania



Fragaria x *ananassa* (Strawberry) variety 'Eves Delight 2' with comparator 'Monterey'

Details of Application

Application Number	2021/187
Variety Name	'Prodigio'
Genus Species	*Lactuca sativa*
Common Name	Lettuce
Accepted Date	04-Nov-2021
Applicant	Syngenta Crop Protection AG, Basel, Switzerland 4058
Agent	Syngenta Australia Pty. Ltd., Macquarie Park, NSW 2113
Qualified Person	David Gillespie

Details of Comparative Trial

Location	Liston New South Wales
Descriptor	TG/13/11
Period	2023
Conditions	Trial was located at Liston NSW. Soil type a deep grey sandy loam. The crop was irrigated and fertilizer and spray program was to grower practice. The plants were not stressed. Trial was sown on 4/09/2023 at Gatton. Plants were transplanted on 11/10/2023 at Liston New South Wales.
Trial Design	Randomised complete block with 2 replications.
Measurements	Measurements were taken according to TG/13/11 Lettuce
RHS Chart - edition	Edition 6

Origin and Breeding

Controlled pollination: Breeding line LS18467, later on called 'Prodigio', originated in 2014 with the cross between two breeding lines. In 2014 F1 plants were selfed to obtain an F2 population segregating for the traits of interest. Over the mentioned F2 population, during 2015 started the plant selection began. Individual plants were selected and selfed, producing F3 lines in 2015. The same selection and selfing process took place over the following 4 years, focusing on fixation of the line. In 2019, a selected F7 line was considered as homozygous and uniform enough to get the line number LS18467 and named 'Prodigio'. Main selection criteria used to develop the variety were *Bremia lactucae* resistances, leaf type, leaf thickness and color. Breeder: Miguel Roca, Syngenta Partcipation AG, Schwarzwaldallee 215, Basel, Switzerland 4058.

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 bolting	medium
Seed	colour	white
Resistance to:	*Bremis lactucae* (Bl) Isolate Bl: 16EU (characteristic 38)	not observed Not observed

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Tralex'	Similar to the candidate in the above characteristics.

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Stefano'	seed	colour	white	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	'Prodigio'	'Tralex'
☐ Seed: colour	white	white
☒ Plant: diameter	medium	small to medium
☐ Plant: degree of overlapping of upper part of leaves	absent or weak	absent or weak
☐ Plant: number of leaves	medium to many	medium to many
☐ Leaf: attitude	semi-erect	semi-erect
☐ Leaf: number of divisions	many to very many	many to very many
☐ Leaf: shape	broad obtrullate	broad obtrullate
☐ Leaf: shape of apex	acute	acute
☐ Leaf: longitudinal section	concave	concave

☒ Leaf: anthocyanin colouration	very strong	strong
☒ Leaf: hue of anthocyanin colouration	purplish	reddish
☒ Leaf: area covered by anthocyanin colouration	large	small to medium
☒ Leaf: colour	greyish green	green
☐ Leaf: intensity of green colour	medium	medium
☐ Leaf: glossiness of upper side	strong	strong
☐ Leaf: thickness	very thin	very thin
☐ Leaf: blistering	absent or very weak	absent or very weak
☐ Leaf: size of blisters	very small	very small
☐ Leaf: undulation of margin	medium	medium
☐ Leaf: type of incisions of margin	tridentate	tridentate
☒ Leaf: depth of incisions of margin	deep	medium
☐ Leaf: depth of secondary incisions of margin	shallow to medium	shallow to medium
☐ Leaf: density of incisions of margin	medium to dense	medium to dense
☐ Leaf: venation	flabellate	flabellate
☐ Upper part of leaves: time of harvest maturity	medium	medium
☐ Plant: time of beginning of bolting	medium	medium
☐ Plant: axillary sprouting	absent or weak	absent or weak

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Prodigio'	'Tralex'
☐ Cotyledon: shape	medium elliptic	medium elliptic
☒ Cotyledon: length	small	large

Statistical Table

Organ/Plant Part: Context	'Prodigio'	'Tralex'
☒ Leaf: primary incisions depth (mm)		
Mean	25.30	18.40
Std. Deviation	2.51	2.51
Lsd/sig	1.48	P≤0.01
☒ Plant: diameter (mm)		
Mean	362.00	338.00
Std. Deviation	9.11	12.20
Lsd/sig	5.26	P≤0.01
☒ Cotyledon: length (mm)		
Mean	7.00	11.60
Std. Deviation	0.55	1.03
Lsd/sig	0.73	P≤0.01

Prior Applications and Sales:

Country	Year	Status	Name Applied
European Union	2020	Submitted	'Prodigio'
Netherlands	2020	Submitted	'Prodigio'
Netherlands	2019	Withdrawn	'Prodigio'
Netherlands	2018	Withdrawn	'Prodigio'

First sold in United Kingdom on 08 May 2020.

Description: David Gillespie, Ormiston, QLD 4610

Lettuce (*Lactuca sativa*) ‘Prodigio’ (left), has stronger leaf anthocyanin than its comparator ‘Tralex’

Details of Application

Application Number	2021/209
Variety Name	'IB 605-8'
Genus Species	*Hebe* hybrid
Common Name	Hebe
Synonym	'Strawberry Truffle'
Accepted Date	25-Nov-2021
Applicant	Plant Growers Australia Pty Ltd, Wonga Park, VIC 3115
Agent	Plants Management Australia Pty Ltd, Dodges Ferry, TAS 7173
Qualified Person	Jordan Smark

Details of Comparative Trial

Location	Wonga Park, VIC
Descriptor	TG/286/1
Period	February 2022 to December 2023
Conditions	Trial conducted in the open, plants propagated from cuttings during December 2021, and transferred to 140mm pots in February 2022. Pots filled with soilless, pinebark based mix with controlled release fertilizers. Appropriate pest and disease treatments were applied as required.
Trial Design	Fifteen pots of each variety in a completely randomised design
Measurements	From ten plants randomly selected.
RHS Chart - edition	Fifth Edition

Origin and Breeding

Open pollination: Open pollination occurred in August to December 2015 as part of a Hebe breeding program to develop a range of dense plant habits, short to medium plant height with dark foliage characteristics. Seed was collected for maternal parent 'Black Beauty' and germinated. A generation of seedling were then grown on and assessed for dark leaf colouration in May 2016. In August 2016 several selections were made and grown for a further 24 month analysis. Final selection was made in August 2018 with a selection exhibiting the above characteristics. All subsequent generations have remained uniform and stable. Breeder: Plant Growers Australia Pty Ltd, Wonga Park, VIC 3115.

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	purplish
Leaf blade	length	short
Flower	colour	pink/purple
Stem	length of internodes	short to medium
Leaf	presence of petiole	absent
Leaf blade	width	narrow to medium

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Pretty in Pink'	
'Black Beauty'	
'Dusky Purple'	

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
'Johnny Day'	leaf blade length	short	medium to long	
'Hebe Jeebies'	leaf colour	purplish	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	'IB 605-8'	'Black Beauty'	'Dusky Purple'	'Pretty in Pink'
☒ Plant: habit	upright	upright	semi upright	semi upright
☒ Young shoot: anthocyanin coloration	very strong	very strong	medium	medium
☐ Young shoot: pubescence	absent	absent	absent	absent
☒ Young stem: colour	purplish black	purplish black	reddish purple	reddish purple

☐ Leaf: presence of petiole	absent	absent	absent	absent
☒ Leaf: attitude	erect	semi erect	horizontal	semi erect
☒ Leaf blade: ratio length/width	high	low	high	high
☒ Leaf blade: shape	oblanceolate	obovate	oblong	oblanceolate
☐ Leaf blade: position of broadest part	in middle	towards apex	towards apex	in middle
☒ Leaf blade: shape of apex	acuminate	rounded	rounded	acute
☒ Leaf blade: profile in cross section	concave	convex	flat	concave
☐ Leaf blade: incisions on margin	absent	absent	absent	absent
☒ Leaf blade: distribution of secondary color	on margin and on midrib	on margin and on midrib	none	none
☒ Leaf blade: area covered by secondary color	small	very small		
☐ Leaf blade: distribution of tertiary color	none	none	none	none
☒ Leaf blade: glossiness	medium	strong	medium	medium
☐ Leaf blade: glaucosity	absent or very weak	absent or very weak	absent or very weak	weak

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'IB 605-8'	'Black Beauty'	'Dusky Purple'	'Pretty in Pink'
☒ Plant: height	medium	medium	short to medium	short
☐ Stem: length of internodes	short to medium	short to medium	short to medium	short to medium
☒ Stem: anthocyanin colouration of internodes	strong	medium	medium to strong	medium
☐ Leaf blade: length	short to medium	short	short to medium	short to medium
☐ Leaf blade: main colour (RHS Chart)	Ca N137A	N137B	N137B	N137C
☒ Leaf blade: secondary colour (RHS Chart)	N79A	N79A		n/a

☒ Plant: number of inflorescences	absent or very few	absent or very few	many	medium
☒ Plant: Time of flowering	n/a	n/a	very early	early
☒ Inflorescence: arrangement	n/a	n/a	terminal and lateral	terminal and lateral
☒ Inflorescence: shape in profile	n/a	n/a	oblong	oblong
☒ Inflorescence: length of flowering part	n/a	n/a	short	short
☒ Inflorescence: width of flowering part	n/a	n/a	medium	medium
☒ Inflorescence: density of flowers	n/a	n/a	medium to dense	medium
☐ Inflorescence: corolla colour change with age	n/a	n/a	medium	strong
☒ Corolla : width	n/a	n/a	medium	medium
☒ Corolla lobe: colour of inner side (RHS Chart)	n/a	n/a	N87B	73B
☒ Corolla tube: colour of outer side (RHS Chart)	n/a	n/a	NN155B	NN155B
☐ Leaf blade: width	narrow to medium	narrow to medium	narrow to medium	narrow to medium
☒ **P**lant: density of foliage	medium to dense	medium to sparse	dense	dense

Prior Applications and Sales:

First sold in Australia in Sep 2020

Description: Jordan Smark, VIC 3115

Hebe *(Hebe* hybrid) candidate variety 'IB 605-8' and its comparators 'Black Beauty', 'Dusky Purple' and 'Pretty in Pink' showing differences in leaf attitude and density of foliage

Details of Application

Application Number	2021/258
Variety Name	'N7-92'
Genus Species	*Prunus salicina*
Common Name	Japanese Plum
Synonym	Nil
Accepted Date	30 Aug 2022
Applicant	Ben-Dor Fruits and Nurseries, 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	2019-2023
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	N/A

Origin and Breeding

Controlled pollination: Selecting the best candidates out of the crosses completed over a 4-year period 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, Fruits and Nurseries, 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
Fruit	ground colour of skin	green
Fruit	symmetry	moderately asymmetric

Fruit	shape of base	depressed
Fruit	juiciness	medium

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Emerald Blush'	

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
'Sungold'	time of fruit ripening	early to medium	late	
'Emerald Beauty'	time of fruit ripening	early to medium	late	
'Victory'	fruit size	large	small	
'Big Fire'	time of fruit ripening	early to 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	'N7-92'	'Emerald Blush'
☐ Tree: type of bearing	on spurs only	on spurs and long shoots
☒ Tree: vigour	strong	medium
☐ *Tree: habit	upright	semi-upright
☐ One-year old shoot: colour	greyish brown	greyish brown
☒ Spur: length	short to medium	medium to long
☐ Vegetative bud: size	small	medium
☐ Vegetative bud: shape of apex	acute	acute
☐ One-year-old shoot: position of vegetative bud in relation to shoot	slightly held out	adpressed
☐ *Leaf blade: length	medium	medium

☒ *Leaf blade: width	broad	medium
☐ *Leaf blade: length/width ratio	slightly elongated	moderately elongated
☐ *Leaf blade: shape	elliptic	elliptic
☐ *Leaf blade: colour of upper side	dark green	dark green
☒ *Leaf blade: angle of apex (excluding tip)	acute	obtuse
☐ Leaf blade: density of pubescence of lower side	medium	medium
☐ *Leaf blade: incisions of margin	serrate	serrate
☐ *Petiole: length	medium	medium to long
☐ Leaf: position of nectaries	predominantly on base of leaf blade	predominantly on base of leaf blade
☐ *Pedicel: length	medium	medium
☐ Flower: diameter	small to medium	small to medium
☐ Flower: arrangement of petals	free	free
☒ *Sepal: shape	medium ovate	narrow elliptic
☐ *Petal: length	medium to long	medium
☒ *Petal: shape	obovate	elliptic
☐ Petal: undulation of margin	medium	medium
☐ *Stigma: position in relation to anthers	same level	below
☒ Fruit: length of stalk	long	medium
☒ *Fruit: size	large to very large	medium
☒ *Fruit: height	medium	short
☒ *Fruit: width	broad	medium
☐ *Fruit: shape in lateral view	oblate	circular
☐ Fruit: symmetry	moderately asymmetric	moderately asymmetric
☐ *Fruit: shape of base	depressed	depressed
☐ Fruit: shape of apex	pointed	rounded

☐	*Fruit: depth of stalk cavity	deep	deep
☐	*Fruit: width of stalk cavity	broad	broad
☐	*Fruit: depth of suture	shallow	medium
☐	*Fruit: bloom of skin	medium	medium
☐	*Fruit: ground colour of skin	green	green
☐	*Fruit: relative area of over colour	small to medium	medium
☐	*Fruit: over colour of skin	medium red	orange yellow
☐	*Fruit: pattern of over colour	solid flush only	solid flush only
☐	*Fruit: number of lenticels	few to medium	few to medium
☐	*Fruit: size of lenticels	medium	small
☒	*Fruit: colour of flesh	green	yellow
☒	Fruit: firmness	very firm	medium
☐	Fruit: juiciness	medium	medium
☒	Fruit: acidity	high	low
☐	Fruit: sweetness	medium	high
☐	*Fruit: adherence of stone to flesh	adherent	adherent
☐	Fruit: amount of fibre	medium	medium
☐	*Stone: size	small to medium	small
☒	*Stone: shape in lateral view	narrow elliptic	circular
☐	*Stone: shape in ventral view	narrow elliptic	narrow elliptic
☐	*Stone: shape in basal view	medium elliptic	medium elliptic
☒	Stone: symmetry in lateral view	symmetric or slightly asymmetric	strongly asymmetric
☒	Stone: texture of lateral surfaces	rough	fine grained
☐	Stone: width of stalk-end	narrow	narrow
☐	*Time of: beginning of flowering	medium to late	medium

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

Prior Applications and Sales: Nill

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

Japanese Plum (*Prunus salicina*) variety 'N7-92'

Details of Application

Application Number	2021/291
Variety Name	'WURTWINNING'
Genus Species	*Malus domestica* Borkh.
Common Name	Apple
Accepted Date	09-Mar-2022
Applicant	Fresh Forward Holding B.V., Huissen, Netherlands
Agent	Spruson & Ferguson, Brisbane, QLD, Australia
Qualified Person	John Oates

Details of Comparative Trial

Overseas Testing Authority	Bundessortenamt
Overseas Data Reference Number	APF903
Location	Prufstelle Wurzen
Descriptor	UPOV TG/14/9 2005-04-06 CPVO-TP/14/2 14/03/2006
Period	2021-2022
Conditions	
Trial Design	
Measurements	As per UPOV technical guidelines
RHS Chart - edition	

Origin and Breeding

Controlled pollination: The variety is the result of a controlled crossing between the varieties Honeycrisp and SQ 159. This crossing was made in 2004 in Elst, the Netherlands at the trial plots of the breeder. The variety was found and selected in 2010 in Elst, the Netherlands at the same trial plots of the breeder. The variety was first propagated in 2012 and found to be distinct, stable and uniform after propagation. Breeder: Marinus Johannes Maria Smulders, Stichting Wageningen Research, Wageningen, Netherlands.

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

Organ/Plant PartContext	State of Expression in Group of Varieties

Tree	type	ramified
Tree	habit	drooping
Fruit	general shape	ovoid
Fruit	relative area of over colour	large to very large
Fruit	hue of over colour with bloom removed	red
Fruit	pattern of over colour of skin	flushed, striped and mottled
Flowers	Time of beginning of flowering	medium to late
Fruit	Time of eating maturity	late to very late

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'AW 106' (APF 284)	

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
'WUR 37' (APF 648)	Fruit	general shape	ovoid	conic	
'Elstar'	Fruit	time of eating maturity	late to very late	medium	
'Elstar'	Flower	predominate colour at balloon stage	purple	dark pink	
'Pilot' (APF 46)	Fruit	general shape	ovoid	conic	
'SQ 159'	Fruit	general shape	ovoid	conic	

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

Organ/Plant Part: Context	'WURTWINNING'	'AW 106' (APF 284)
☐ Tree: vigour	strong	
☐ *Tree: type	ramified	

☐	*Tree: habit (varieties with ramified tree type only)	drooping	
☐	Tree: type of bearing	on spurs only	
☐	One-year-old shoot: thickness	medium	
☐	*One-year-old shoot: length of internode	medium to long	
☐	One-year-old shoot: colour on sunny side	light brown	medium brown
☐	One-year-old shoot: pubescence	medium to strong	
☐	*One-year-old shoot: number of lenticels	many to very many	
☐	*Leaf blade: attitude in relation to shoot	downwards	
☐	*Leaf blade: length	medium to long	
☐	*Leaf blade: width	medium	
☒	*Leaf blade: ratio length/width	medium to large	small to medium
☐	Leaf blade: intensity of green colour	medium	
☐	Leaf blade: incisions of margin	bicrenate	
☐	Leaf blade: pubescence on lower side	absent or weak	
☐	*Petiole: length	medium	
☐	Petiole: extent of anthocyanin colouration from base	small to medium	
☐	*Flower: predominant colour at balloon stage	purple	
☐	*Flower: diameter with petals pressed into horizontal position	medium	
☐	*Flower: arrangement of petals	intermediate	
☐	Flower: position of stigmas relative to anthers	above	
☐	Young fruit: extent of anthocyanin overcolour	medium	
☐	*Fruit: size	large	
☐	*Fruit: height	tall	
☐	*Fruit: diameter	large	

☐	*Fruit: ratio height/diameter	medium	
☐	*Fruit: general shape	ovoid	
☐	Fruit: ribbing	moderate	
☐	Fruit: crowning at calyx end	moderate	
☐	*Fruit: size of eye	small to medium	
☐	Fruit: length of sepal	medium	
☐	*Fruit: bloom of skin	moderate	
☐	Fruit: greasiness of skin	absent or weak	
☒	*Fruit: ground colour	whitish yellow	yellow green
☐	*Fruit: relative area of over colour	large to very large	
☐	*Fruit: hue of over colour – with bloom removed	red	
☐	*Fruit: intensity of over colour	dark	
☐	*Fruit: pattern of over colour	flushed, striped and mottled	
☐	*Fruit: width of stripes	broad to very broad	
☐	*Fruit: area of russet around stalk attachment	medium	
☐	Fruit: area of russet on cheeks	absent or small	
☐	*Fruit: area of russet around eye basin	absent or small	
☐	Fruit: number of lenticels	medium to many	
☐	Fruit: size of lenticels	medium to large	
☐	*Fruit: length of stalk	medium	
☐	*Fruit: thickness of stalk	thick	
☐	*Fruit: depth of stalk cavity	deep	
☐	*Fruit: width of stalk cavity	broad	
☐	*Fruit: depth of eye basin	shallow to medium	

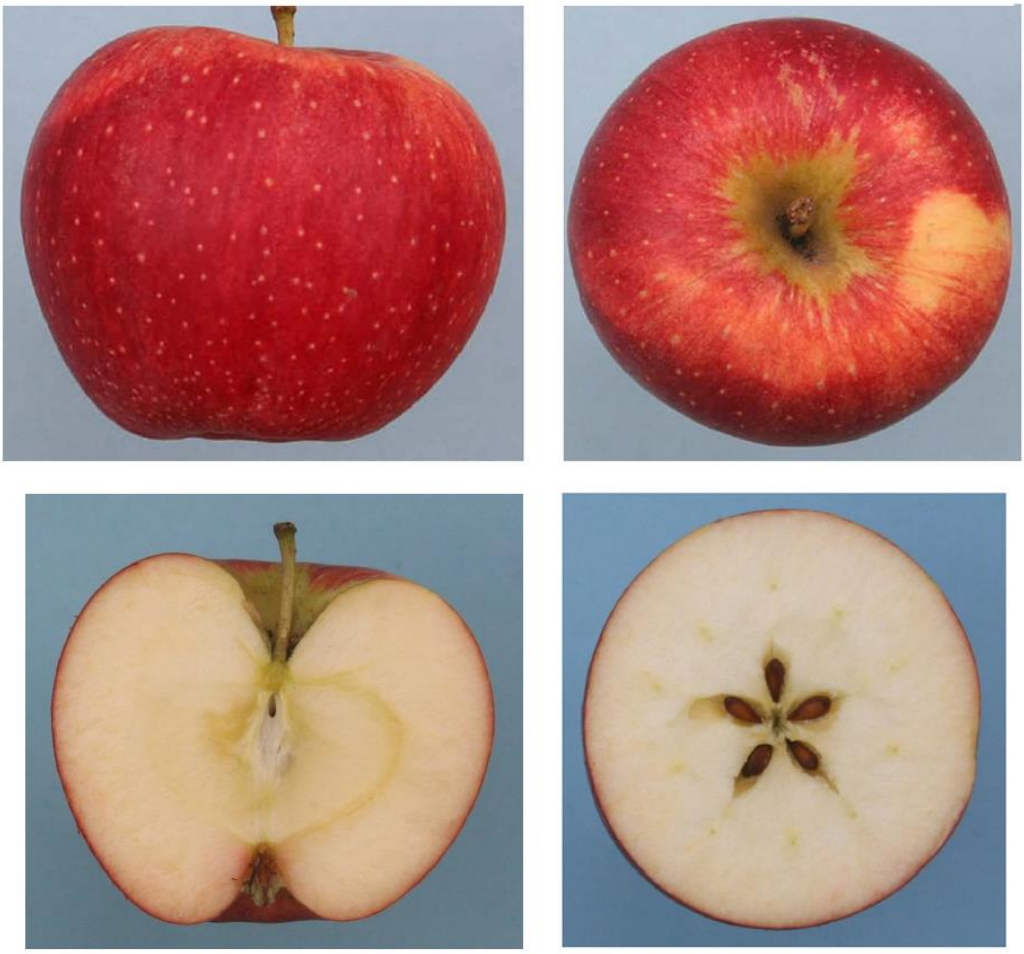
☐ *Fruit: width of eye basin	medium to broad
☐ *Fruit: firmness of flesh	firm
☐ *Fruit: colour of flesh	cream
☐ *Fruit: aperture of locules	closed or slightly open
☐ *Time of: beginning of flowering	medium to late
☐ Time for: harvest	medium to late
☐ *Time of: eating maturity	late to very late

Prior Applications and Sales:

Country	Year	Status	Name Applied
European Union	2018	Granted	'WURTWINNING'
Serbia	2021	Granted	'WURTWINNING'

First sold in Germany in June 2020.

Description: John Oates, Merimbula, NSW, 2548.



Apple (*Malus domestica*) ‘WURTWINNING’

Details of Application

Application Number	2022/012
Variety Name	'Zena'
Genus Species	*Hordeum vulgare*
Common Name	Barley
Synonym	IGB20125T
Accepted Date	25-Feb-2022
Applicant	Michael Materne as Trustee for the Materne Family Trust, Quantong, VIC 3401 Australia.
Agent	Intergrain Pty Lty, Bibra Lake, WA 6163
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 1.25m 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

Induced mutation and sport: Five kilograms of seed of the barley variety RGT Planet was treated with 0.15% Ethyl methanesulfonate (EMS) under controlled conditions. Seed was washed with Sodium hypochlorite (NaOCl) and M1 seed grown at Horsham, Victoria, Australia, in 2018. 20kg of the M2 seed, or approximately 700,000 seeds, was sown at Horsham, Victoria, Australia, in December 2018. M2 plants were treated with Intervix at the label rate for Clearfield barley (24.75 g/ha of Imazamox and 11.25 g/ha Imazapyr) at mid tillering. Twenty-five vigorous, fully fertile M2 plants with no symptoms of Imidazolinone damage were harvested individually at maturity. M3 lines were evaluated at Horsham, Victoria, Australia, in 2019, and treated with 24.75 g/ha of Imazamox and 11.25 g/ha Imazapyr. PLANETMB-1819HI014 was grown in summer 2019/2020 and selected for further evaluation based on a combination of uniformity, high grain yield and a homozygous 1 gene

Imidazolinone tolerance response. PLANETMB-1819HI014 was recoded as IGB20125T and evaluated across Australia by Global Grain Genetics Pty Ltd and Intergrain Pty Ltd from 2020 to 2021. Pure seed production was initiated for IGB20125T in 2020. Breeder: Michael Materne as Trustee for the Materne Family Trust, Quantong, VIC 3401 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
Awns	anthocyanin colouration of tips	present
Grain	rachilla hair type	short
Ear	number of rows	two
Season	type	spring type
Ear	sterile spikelet	non development of sterile spikelets

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'RGT Planet'	

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

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

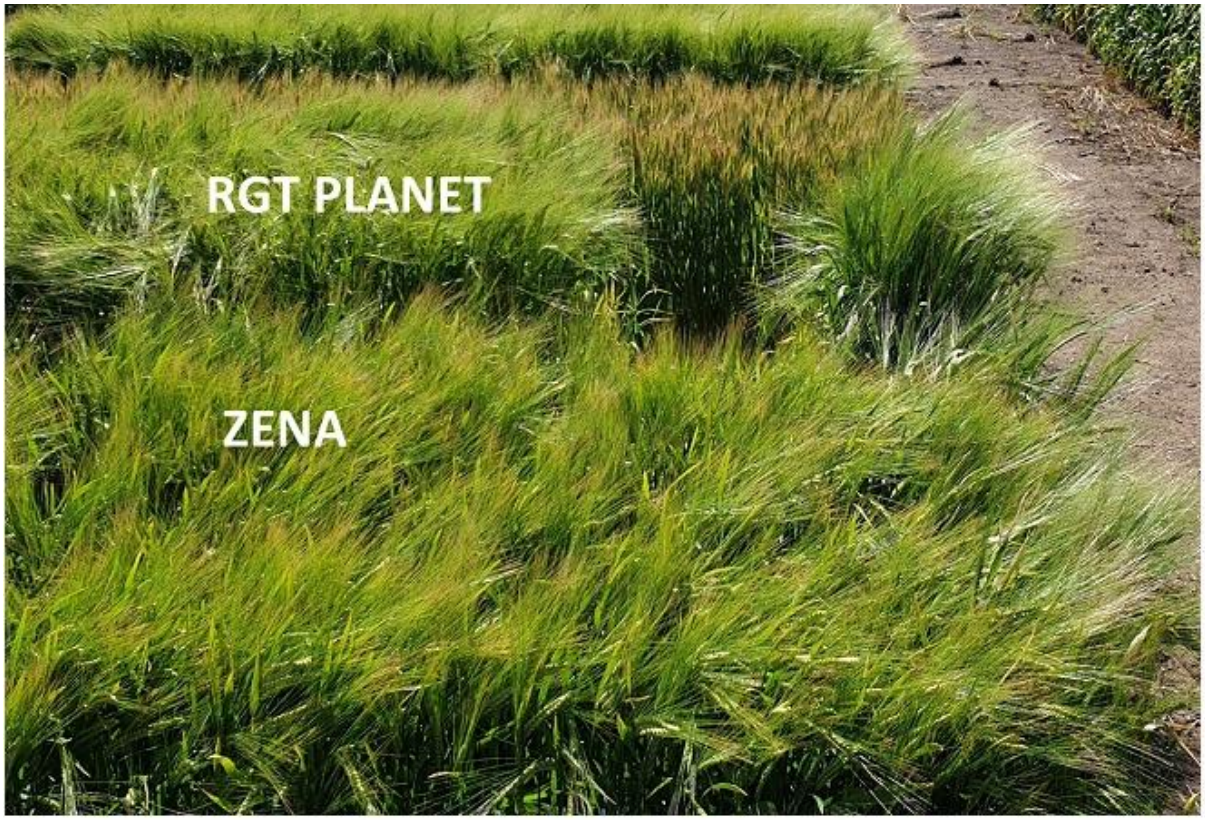
☐ Ear: glaucosity	weak	weak
☐ Ear: attitude	semi-erect to horizontal	semi-erect to horizontal
☐ Plant: length	medium to long	medium to long
☐ Ear: number of rows	two	two
☐ Ear: development of sterile spikelets	none or rudimentary	none or rudimentary
☐ Ear: shape	parallel	parallel
☐ Ear: density	sparse to medium	sparse to medium
☐ Ear: length	medium to long	medium to long
☐ Awn: length	long	long
☐ Rachis: length of first segment	medium	medium
☐ Rachis: curvature of first segment	weak	weak
☐ Median spikelet: length of glume and its awn relative to grain	equal	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	'Zena'	'RGT Planet'
☒ Plant: Resistance to Imidazolinone herbicides	Tolerant	Susceptible

Prior Applications and Sales: Nil

Description: David Watson, Horsham, VIC 3402



Barley (*Hordeum vulgare)* variety 'Zena' showing Resistance to *Imidazolinone* herbicides (tolerant) with its comparator 'RGT Planet' (susceptible)

Details of Application

Application Number	2022/019
Variety Name	'Jillaroo'
Genus Species	*Triticum aestivum*
Common Name	Wheat
Synonym	IGW6709
Accepted Date	22-Mar-2022
Applicant	InterGrain Pty Ltd, Bibra Lake, WA 6163 Australia
Qualified Person	David Watson

Details of Comparative Trial

Location	Horsham, VIC
Descriptor	Wheat (Tritcum Aestivum) TG/3/12
Period	June 2022 to December 2022
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: A final cross was made between the parents resulting in the population coded 13EJ062A. The population was selfed from F2 onwards and reselections were made in the F4 generation. These reselections were tested as fixed lines for 6 generations across 6 seasons. Agronomic, disease and quality testing was 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 seven generations (selection) and six years performance testing as a fixed line by InterGrain. Breeder: InterGrain Pty Ltd, 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	presence of awns	present

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Vixen'	
'Rockstar'	

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
'Mace'	Plant height	medium	long	
'Scepter'	Plant height	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	'Jillaroo'	'Rockstar'	'Vixen'
☐ Seed: colour	white	white	white
☐ *Plant: growth habit	erect to semi erect	erect to semi erect	erect to semi erect
☒ Plant: frequency of plants with recurved flag leaves	high to very high	low to medium	very low to low
☐ Flag leaf: anthocyanin colouration of auricles	absent or weak	absent or weak	absent or weak
☒ *Time of: ear emergence	early	medium to late	very early to early
☐ *Flag leaf: glaucosity of sheath	medium	strong	medium to strong
☐ Flag leaf: glaucosity of blade	very weak to weak	very weak to weak	very weak to weak

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

Prior Applications and Sales: |

Nill

Description: David Watson, Horsham, VIC 3402

Wheat (*Triticum aestivum*) variety 'Jillaroo' with its comparators 'Rockstar' and 'Vixen' showing difference in Lower Glume Beak Length

Details of Application

Application Number	2022/032
Variety Name	'Rubagio'
Genus Species	*Lactuca sativa*
Common Name	Lettuce
Accepted Date	13 Apr 2022
Applicant	Syngenta Crop Participations AG, Rosentalstrasse 67, Basel, Switzeland 4058
Agent	Syngenta Australia Pty. Ltd., Macquarie Park, NSW
Qualified Person	John Oates

Details of Comparative Trial

Location	Liston NSW
Descriptor	TG/13/10 Rev.
Period	Sept - Dec 2023
Conditions	Seedlings transplanted into deep sandy loam, irrigated overhead as necessary, fertilizer and spray program were as to grower practice. Plants were stress free.
Trial Design	Randomised complete block with two replicates
Measurements	as per UPOV Technical guidelines.

Origin and Breeding

Controlled pollination: In 2014 two RZ varieties were crossed the female parent being 'Seurat', the male parent 'Xerifin'. F1 plants were selfed to produce a population segregating for the traits of interest viz Bremia resistance, Leaf type, leaf thickness and colour. During 2015, at Agadir (Morocco) individual plants were selected and selfed to produce F3 plants. The same selection and selfing was conducted during the years 2016 to 2019, when from the now fixed F7 lines the line LS18469 (now called 'Rubagio') was selected. Breeder: Miguel Roca, Syngenta Crop Participations AG, Basel, Switzerland

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Leaf	anthocyanin colouration	present

Plant	time of beginning of bolting	late to very late

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Seurat'	

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

Organ/Plant Part: Context	'Rubagio'	'Seurat'
☒ *Seed: colour	white	black
☐ *Seedling: anthocyanin colouration	present	present
☐ Seedling: size of cotyledon	small to medium	small
☐ Leaf: attitude at 10-12 leaf stage	semi-erect	semi-erect
☐ Leaf blade: division	entire	entire
☐ *Plant: diameter	small	small
☐ *Plant: head formation	closed head	closed head
☐ Head: degree of overlapping of upper part of leaves (varieties with closed head formation only)	weak	weak
☐ Head: density	loose	loose
☐ Head: size	small	small
☐ *Head: shape in longitudinal section	broad elliptic	broad elliptic
☐ Leaf: thickness	thin	thin
☐ Leaf: attitude at harvest maturity	semi-erect	semi-erect
☐ *Leaf: shape	obovate	obovate
☒ *Leaf: hue of green colour of outer leaves	absent	yellowish
☐ *Leaf: intensity of colour of outer leaves	very dark	very dark

☐ *Leaf: anthocyanin colouration	present	present
☐ *Leaf: intensity of anthocyanin colouration	very strong	very strong
☐ Leaf: distribution of anthocyanin	localised	localised
☐ Leaf: kind of anthocyanin distribution	diffused and in spots	diffused and in spots
☐ Leaf: glossiness of upper side	strong to very strong	strong to very strong
☐ *Leaf: blistering	weak	weak
☐ Leaf: size of blisters	small	small
☐ *Leaf blade: degree of undulation of margin	very weak to weak	very weak to weak
☐ Leaf blade: incisions of margin on apical part	present	present
☐ *Leaf blade: depth of incisions on margin on apical part	shallow	shallow
☐ Leaf blade: density of incisions on margin on apical part	dense to very dense	dense to very dense
☐ Leaf blade: venation	not flabellate	not flabellate
☐ Axillary: sprouting	absent or very weak	absent or very weak
☐ Time of: harvest maturity	medium	medium
☐ *Time of: beginning of bolting under long day conditions	very late	very late
☐ Plant: fasciation	present	present
☐ Plant: intensity of fasciation	very strong	very strong

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	**'Rubagio'**	**'Seurat'**
☒ Leaf: shape of tip	rounded	obcordate
☐ Young leaf: shape	medium elliptic	medium elliptic
☐ Seedling: shape of cotyledon	obovate	obovate

☐	Leaf blade: type of incisions on apical part	serrate	serrate
☒	Leaf blade: area covered by anthocyanin	medium to large	small

Prior applications and sales:

Country	Year	Status	Variety name
Netherlands	2019	Withdrawn	'RUBAGIO'
Netherlands	2020	Withdrawn	'RUBAGIO'
European	2020	Withdrawn	'RUBAGIO'
United Kingdom	2020	Submitted	'RUBAGIO'

First sold in Germany on 1 February 2021.

Description: John Oates, Merimbula, NSW

Lettuce (*Lactuca sativa* L.) variety 'Rubagio' (left) and 'Seurat' (right) showing differences in leaf blade: area covered by anthocyanin.

Details of Application

Application Number	2022/052
Variety Name	'WILLS'
Genus Species	*Phaseolus vulgaris*
Common Name	French bean
Accepted Date	22 Apr 2022
Applicant	HM. Clause, Inc. Davis, USA.
Agent	Spruson & Ferguson, Sydney, NSW.
Qualified Person	Calixto Dilag
Author of Description	

Details of Comparative Trial

Location	Templestowe, Vic
Descriptor	French Bean (revised) (*Phaseolus vulgaris*)TG/12/9 Rev.
Period	2023-2024
Conditions	Trial was examined summer 2023/24. Direct sown in raised bed, utilizing fleece mat for weed control and drip system for irrigation. Candidate variety and comparators were treated the same.
Trial Design	Side by side comparison
Measurements	As per Technical Guideline
RHS Chart - edition	

Origin and Breeding

Open pollination: Garden bean cultivar WILLS (HMX0186255) was developed from an initial cross that was made in Immokalee, Florida, in a greenhouse, in the fall. In the first year of development, the cross was made between two proprietary lines under stake numbers F27330 (female) and F27338 (male), the f1 generation was harvested in April in the greenhouse located in Sun Prairie, Wisconsin, in plot W3411-7, and the F2 selection was made in July near Coloma, Wisconsin, in plot H309721. In the second year, the F3 selection was made in February, near Los Mochis, Mexico, in plot M41868 and the F4 selection was made in July near Coloma, Wisconsin, in plot H404827. In the third year, the F5 selection was made in February near Los Mochis, Mexico, in plot M50507 and the F6 selection was made in July near Coloma, Wisconsin, in plot H503701. In the fourth year, the F7 generation was bulked in February near Los Mochis, Mexico, in plot M62939. In the fifth year, the F8 generation was bulked in February near Los Mochis, Mexico, in plot M72202 and the F9 generation was harvested as 100 single plants in September in Twin Falls, Idaho, in plot T704291. In the sixth year, the F10

generation was bulked by progeny row in February, hear Los Mochis, Mexico, in plot M83601-648. The line was subsequently designated HMX0186255, and later received the name WILLS. Breeders: Calvin Lietzow, H.M.Clause, Inc. Davis, 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 type	dwarf
Seed	number of colours	one
Flower	colour of standard	white

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Wyatt'	

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
'Prairie'	Blight Race 6	susceptible	resistant	

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

Organ/Plant Part: Context	'WILLS'	'Wyatt'
☐ Plant: anthocyanin colouration of hypocotyl	absent	absent
☐ *Plant: growth type	dwarf	dwarf
☐ Plant: type (dwarf beans only)	non-trailing	non-trailing
☐ Plant: height (dwarf beans only)	medium to tall	medium to tall
☒ *Leaf: intensity of green colour	medium	dark
☐ Leaf: rugosity	medium	medium
☐ Terminal leaflet: size	small	small

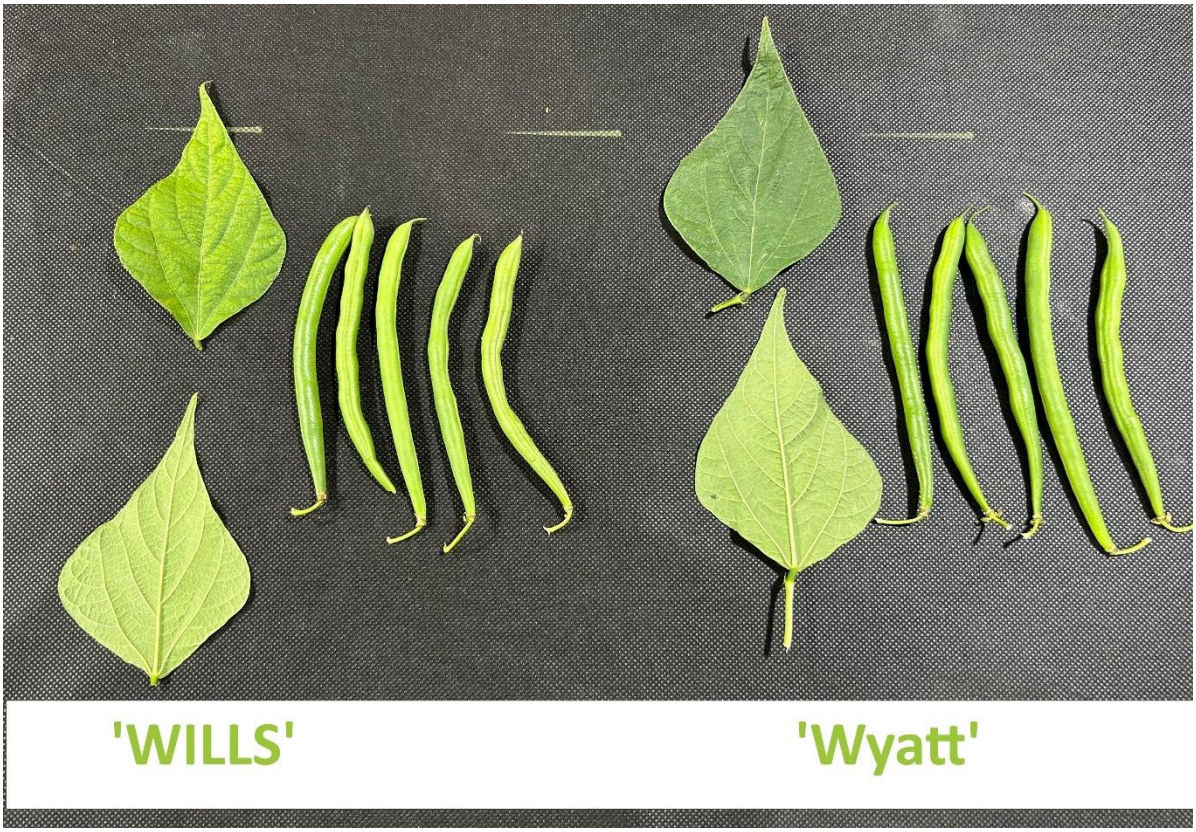
☐ Terminal leaflet: shape	rhombic	rhombic
☐ Terminal leaflet: length of tip	medium	
☐ Inflorescences: position (at full flowering) (dwarf beans only)	intermediate	intermediate
☐ *Flower: colour of standard	white	white
☐ *Flower: colour of wing	white	white
☐ *Pod: length (excluding beak) (dwarf beans only)	medium	medium
☐ Pod: width	medium	medium
☐ Pod: thickness	medium	medium
☒ Pod: degree of curvature	medium	weak
☐ Pod: shape of curvature	concave	concave
☐ *Pod: length of beak	short	medium
☐ *Seed: weight	medium	medium
☐ Seed: shape in longitudinal section	elliptic	kidney-shaped
☐ Seed: length	medium	short
☐ *Seed: number of colours	one	one
☒ *Time of: flowering (50% of the plants with at least one flower)	early	medium

Prior Applications and Sales:

Nil

First sold in USA in April 2021.

Description: Calixto Dilag, HM. Clause Pacific Pty Ltd, Bulleen, VIC.



French bean (*Phaseolus vulgaris*) variety ‘WILLS’ with comparator ‘Wyatt’

Details of Application

Application Number	2022/054
Variety Name	'Fiorente'
Genus Species	*Lactuca sativa*
Common Name	Lettuce
Accepted Date	08-Jul-2022
Applicant	Vilmorin-Mikado, LA MENITRE 49250, France
Agent	Spruson & Ferguson, NSW 2000
Qualified Person	Calixto Dilag

Details of Comparative Trial

Location	Templestowe, VIC
Descriptor	TG/13/10
Period	2022-2023
Conditions	Trial was established summer 2022, planted in raised beds with fleece weed mat and drip irrigation system.
Trial Design	Side by side comparison
Measurements	As per UPOV TG
RHS Chart - edition	N/A

Origin and Breeding

Self-pollination. Cross made in Summer 2016 between the two parents. '68/25075/01' was screened in France in Summer 2017 under the plot number 16/18004. F3 16/18004/01 was harvested in France in Autumn 2017 and then tested for *Bremia lactucae* resistance. F3 16/18004/01 was screened in France in Summer 2018 under the plot number 18/18209. F4 18/18209/02 was harvested in France in Autumn 2018 and then tested for *Bremia lactucae* resistance. F4 18/18209/02 was screened in France in Summer 2019 under the plot number 19/18486. F5 19/18486/14 was harvested in France in Autumn 2019 and then tested for *Bremia lactucae* resistance. F6 19/18486/140 was produced in France during Summer 2020 and harvest in Autumn 2020. Main selection criteria used to develop the variety are *Bremia lactucae* resistance, head size and leaf thickness. Breeder: Vilmorin-Mikado, LA MENITRE 49250, 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
Bremia lactucae resistance	isolate bl: 16	present
Seedling	anthocyanin colouration	absent
Seed	colour	brown

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Patrobas'	
'Roundhouse'	
'Empire Rose'	

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

Organ/Plant Part: Context	'Fiorente'	'Empire Rose'	'Patrobas'	'Roundhouse'
☐ *Seedling: anthocyanin colouration	absent	absent	absent	absent
☒ *Plant: diameter	medium to large	large	small	large to very large
☐ *Plant: head formation	closed head	closed head	closed head	closed head
☐ Head: degree of overlapping of upper part of leaves (varieties with closed head formation only)	very strong	very strong	very strong	very strong
☐ Head: density	dense to very dense	dense to very dense	dense to very dense	medium to dense
☐ Head: size	large	medium to large	small	large
☐ Leaf: thickness	thick	thick	thick	thick
☐ Leaf: attitude at harvest maturity	semi-erect	semi-erect	erect	semi-erect to horizontal
☐ *Leaf: shape	transverse broad elliptic	broad obtrullate	broad obtrullate	transverse broad elliptic
☐ Leaf: shape of tip	rounded	rounded	rounded	rounded

☐ *Leaf: hue of green colour of outer leaves	greyish	yellowish	greyish	yellowish
☒ *Leaf: intensity of colour of outer leaves	dark	light to medium	medium	light
☐ *Leaf: anthocyanin colouration	absent	absent	absent	absent
☐ Leaf: glossiness of upper side	strong to very strong	medium to strong	medium to strong	medium to strong
☐ *Leaf: blistering	weak to medium	strong	weak to medium	medium to strong
☐ Leaf: size of blisters	small to medium	medium to large	small to medium	small to medium
☐ *Leaf blade: degree of undulation of margin	medium	weak	strong	very weak to weak
☐ Leaf blade: incisions of margin on apical part	present	present	present	present
☐ *Leaf blade: depth of incisions on margin on apical part	very shallow to shallow	very shallow	very shallow to shallow	very shallow
☐ Leaf blade: density of incisions on margin on apical part	sparse	sparse	sparse	very sparse
☐ Leaf blade: type of incisions on apical part (varieties with shallow incisions on margin on apical part only)	dentate	sinuate	dentate	sinuate
☐ Leaf blade: venation	flabellate	flabellate	flabellate	flabellate
☒ *Time of: beginning of bolting under long day conditions	late	medium	late	early
☐ Resistance to: downy mildew (Bremia lactucae) Isolate Bl:2	present	present	present	present
☐ Resistance to: downy mildew (Bremia lactucae) Isolate Bl:5	present	present	present	present
☐ Resistance to: downy mildew (Bremia lactucae) Isolate Bl:7	present	present	present	present
☐ Resistance to: downy mildew (Bremia lactucae) Isolate Bl:12	present	present	present	present

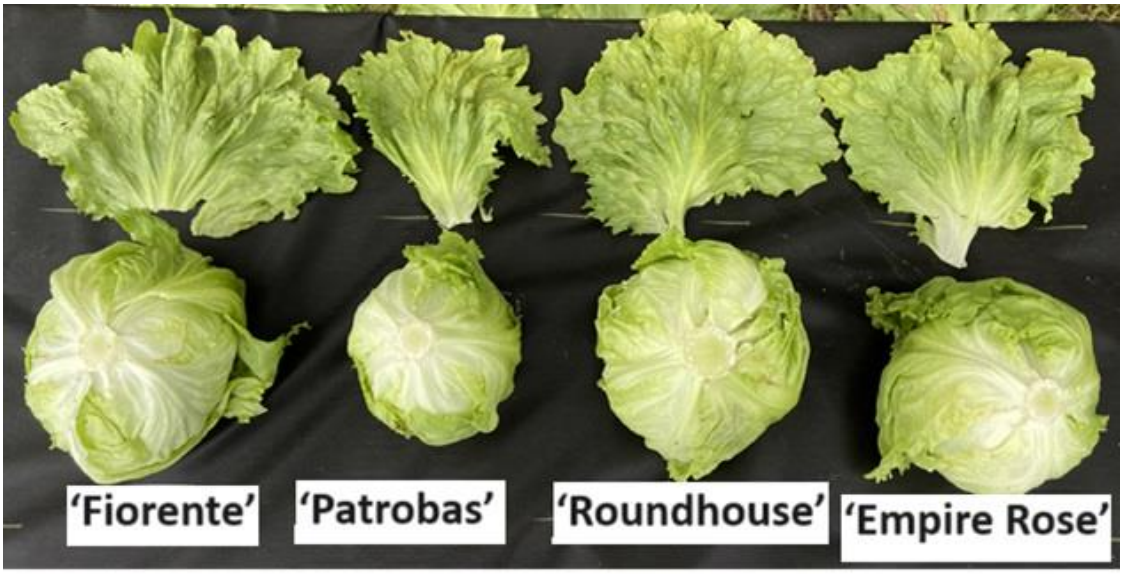
☐ Resistance to: downy mildew (Bremia lactucae) Isolate Bl:14	present	present	present	present
☐ Resistance to: downy mildew (Bremia lactucae) Isolate Bl:15	present	present	present	present
☐ *Resistance to: downy mildew (Bremia lactucae) Isolate Bl:16	present	present	present	present
☐ Resistance to: downy mildew (Bremia lactucae) Isolate Bl:17	present	present	present	present
☐ Resistance to: downy mildew (Bremia lactucae) Isolate Bl:18	present	present	present	present
☐ Resistance to: downy mildew (Bremia lactucae) Isolate Bl:20	present	present	present	present
☐ Resistance to: downy mildew (Bremia lactucae) Isolate Bl:21	present	present	present	present
☐ Resistance to: downy mildew (Bremia lactucae) Isolate Bl:22	present	present	present	present
☐ Resistance to: downy mildew (Bremia lactucae) Isolate Bl:23	present	present	present	present
☐ Resistance to: downy mildew (Bremia lactucae) Isolate Bl:24	present	present	present	present
☐ Resistance to: downy mildew (Bremia lactucae) Isolate Bl:25	present	present	present	present
☐ Resistance to: downy mildew (Bremia lactucae) Isolate BI: 26	present	present	present	present
☐ Resistance to: downy mildew (Bremia lactucae) Isolate BI:27	present	present	present	present
☐ Resistance to: lettuce mosaic virus (LMV) Strain Ls 1	absent	absent	present	present
☐ Resistance to: Nasonovia ribisnigri biotype Nr:0	present	present	present	present

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Fiorente'	'Empire Rose'	'Patrobas'	'Roundhouse'
☐ Head: shape in longitudinal section	narrow oblate	narrow oblate	circular	narrow oblate
☐ Seed: colour	Brown	brown	brown	brown
☐ Core: length	medium	long	medium	long

Prior Applications and Sales: Nil

Description: Calixto Dilag, VIC 3105



Lettuce (*Lactuca sativa*) variety 'Fiorente' and its comparators 'Empire Rose', 'Patrobas' and 'Roundhouse' showing differences in plant diameter

Details of Application

Application Number	2022/102
Variety Name	'IFG Twenty-three'
Genus Species	*Vitis* hybrid
Common Name	Grape vine
Accepted Date	12 Dec 2022
Applicant	Bloom Fresh International Limited, London, United Kingdom
Agent	Baker McKenzie, Sydney, NSW
Qualified Person	Jennifer Hashim-Maguire

Details of Comparative Trial

Overseas Testing Authority	*Department of Agriculture, Land Reform & Rural Development, Republic of South Africa*
Overseas Data Reference Number	*ZA 20207075*
Location	De Vlei De Doorns Hex River, South Africa
Descriptor	Grapevine UPOV TG/50/9, 2008-04-09
Period	2018-2020
Conditions	As per DUS test report
Trial Design	As per Technical Examination / DUS test report supplied by Department of Agriculture, Forestry & Fisheries, Genetics Resources, Division of Plant Breeders' Rights, Pretoria, Republic of South Africa
Measurements	
RHS Chart - edition	

Origin and Breeding

Controlled pollination: Hand pollinated cross of IFG 01032-067-202 and 'Arkansas 2798' hybridized in May 2006. Abortive seed traces embryo cultured and the resulting seedling vines planted in the field in April 2007. Selected as a single plant in October 2008 and asexually propagated via hardwood cuttings in December 2008. Planted in an 18-vine evaluation block in April 2009. Vines evaluated for commercial potential from 2010 to 2016. Breeder: David Cain, Bakersfield, CA 93308, 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	colour of flesh	absent or very weak
Berry	particular flavour	other than neutral
Berry	presence of seed	none to rudimentary

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'IFG Twenty'	

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

Organ/Plant Part: Context	'IFG Twenty-three'	'IFG Twenty'
☐ *Time of: bud burst	late	
☐ *Young shoot: openness of tip	half open	
☒ *Young shoot: prostrate hairs on tip	dense	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	yellow green	
☐ *Young leaf: prostrate hairs between main veins on lower side of blade	dense	
☐ Young leaf: erect hairs on main veins on lower side of blade	very sparse to sparse	
☐ 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	
☐ 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	medium	
☐ *Mature leaf: shape of blade	wedge-shaped	
☐ Mature leaf: blistering of upper side of blade	strong	
☐ *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)	open	
☐ *Mature leaf: arrangement of lobes of petiole sinus	half open	
☐ *Mature leaf: length of teeth	short to medium	
☐ *Mature leaf: ratio length/width of teeth	small to 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	medium	absent or very sparse
☐ Mature leaf: length of petiole compared to length of middle vein	moderately shorter	
☐ *Time of: beginning of berry ripening	medium	
☐ *Bunch: size (peduncle excluded)	small	
☐ *Bunch: density	lax to medium	
☐ Bunch: length of peduncle of primary bunch	short	

☐	*Berry: size	small	
☒	*Berry: shape	globose	broad ellipsoid
☒	*Berry: colour of skin (without bloom)	dark red violet	blue-black
☐	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	moderately firm	
☒	*Berry: particular flavour	other than muscat, foxy or herbaceous	foxy
☐	*Berry: formation of seeds	none	
☐	Woody shoot: main colour	reddish brown	

Characteristics Additional to the Descriptor/TG

	Organ/Plant Part: Context	**'IFG Twenty-three'**	**'IFG Twenty'**
☐	Inflorescences: time of full flowering	medium	

Prior Applications and Sales:

Country	**Year**	**Status**	**Name Applied**
UNITED STATES	2016	Granted	'IFG TWENTY-THREE'
MEXICO	2017	Granted	'IFG TWENTY-THREE'
CHILE	2017	Pending	'IFG TWENTY THREE'
EU	2017	Granted	'IFG TWENTY THREE'
UNITED KINGDOM	2017	Pending	'IFG TWENTY THREE'
SOUTH AFRICA	2018	Granted	'IFG TWENTY-THREE'
CHINA	2018	Granted	'IFG TWENTY-THREE'
PERU	2019	Granted	'IFG TWENTY THREE'
ECUADOR	2019	Pending	'IFG TWENTY-THREE'
EGYPT	2019	Granted	'IFG TWENTY-THREE'
ISRAEL	2020	Pending	'IFG TWENTY-THREE'
MOROCCO	2021	Pending	'IFG TWENTY-THREE'

BRAZIL	2021	Pending	‘IFG TWENTY THREE’

No prior vine sales. Fruit first sold in Mexico on 01 June 2016.

Description: **Jennifer Hashim-Maguire**, AUSCAL Viticulture Pty Ltd, Mildura, VIC

Vitis hybrid variety ‘IFG Twenty-three’

Details of Application

Application Number	2022/130
Variety Name	'Spright'
Genus Species	*Pyrus calleryana*
Common Name	Callery Pear
Accepted Date	08-Sep-2022
Applicant	Gemtree Pty Ltd, Cape Woolamai, Cape Woolamai, VIC
Qualified Person	Meenakshi Bhardwaj

Details of Comparative Trial

Location	Gembrook, VIC
Descriptor	PBR General descriptor
Period	2022-23
Conditions	A comparative DUS trial was planted in Gembrook, Victoria. Plants propagated by bud grafting planted in open beds. No fertilizer, pest or disease treatment was applied. Assessments conducted during the 2022/2023 at the appropriate growth stages of plants.
Trial Design	Randomised complete block with 5 replications
Measurements	Taken randomly from all trial plants or plant parts
RHS Chart - edition	2015

Origin and Breeding

Spontaneous mutation - A chance mutation was observed by the applicant in *Pyrus calleryana* seedlings showing draft characteristic. The new ornamental pear variety was selected based on plant height and shape in 2014 and vegetatively propagated using bud grafting for 4 generations to determine its distinctness, uniformity, and stability of characteristics. No off types were found. Breeder: Roger Henzen, Gembrook, 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
Tree	shape	oval
Leaf	shape	ovate

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Capital Pear'	

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
'Bradford'	Tree shape	oval	pyramidal oval	
'Cleveland'	Tree shape	oval	pyramidal	
'Aristocrat'	Tree shape	oval	pyramidal oval	

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

Organ/Plant Part: Context	'Spright'	'Capital Pear'
☐ Leaf: length of blade	medium	long
☐ Leaf: width of blade	broad	broad
☒ Leaf: length of petiole	short	medium
☒ Leaf: shape	ovate	obovate

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Spright'	'Capital Pear'
☐ Tree: Vigor	weak to medium	medium
☐ Tree: brancing	medium	medium
☐ Tree: habit	fastigiate	fastigiate
☐ Tree: height	very short	tall
☐ Tree: Width	short	short
☒ Tree: shape	oval	columnar
☐ Tree: spread	narrow	medium

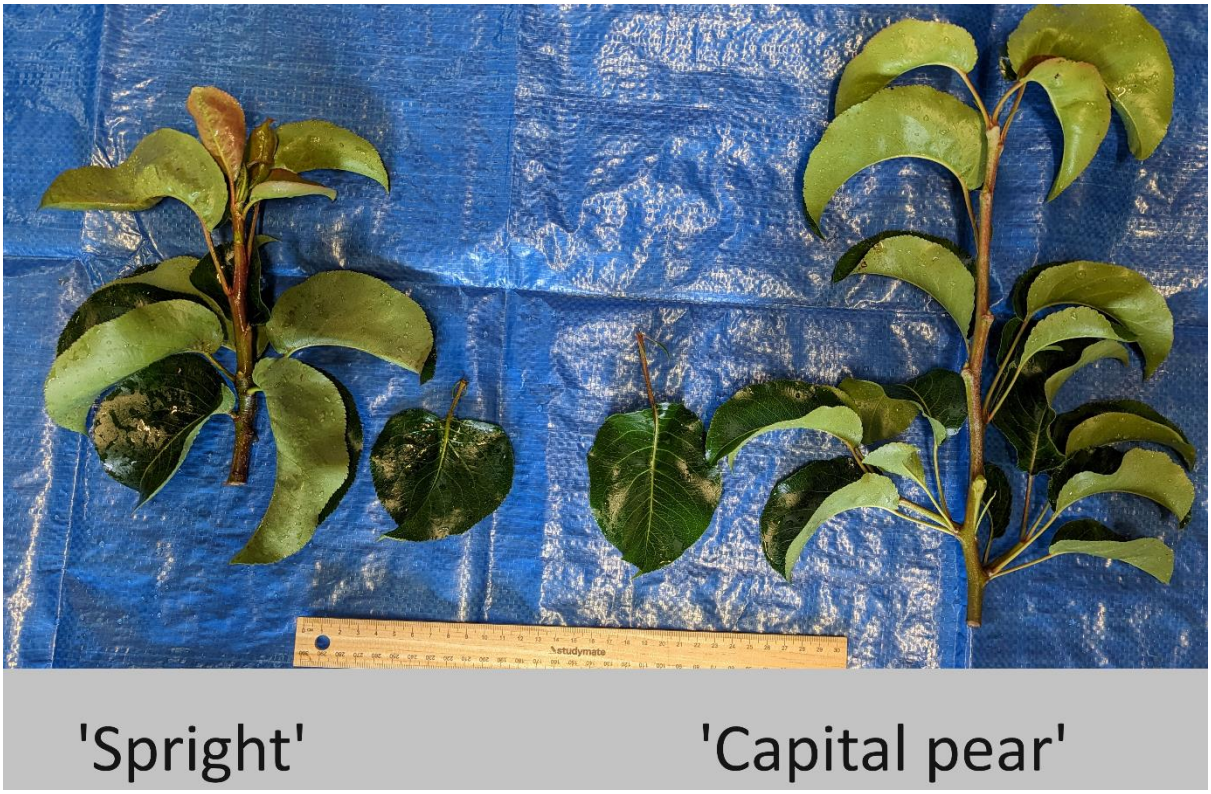
☐ Crown : compactness	compact	medium compact
☐ Crown: Shape uniformity if untrimmed	uniform	non-uniform
☐ Thorns:	absent	absent
☒ One year old shoot: length	very short	Medium (100-150 cms)
☐ One year old shoot: growth	straight	straight
☐ One year old shoot: bark colour	brownish green	greyish green
☒ One year old shoot: length of internode	very short	medium
☐ One year old shoot: thickness	thick	medium
☐ One year old shoot: predominant colour on sunny side	glossy green	glossy green
☒ One year old shoot: Number of lenticles	many	few
☒ One year old shoot: density of lenticles	dense	sparse
☐ One year old shoot: Shape of apex of vegetative bud	acute	acute
☒ One year old shoot: Position of vegetative bud in relation to shoot	adpressed	slightly held-out
☐ One year old shoot: Size of bud support	small	small
☐ Young shoot: Anthocyanin colouration of growing tip	strong	weak
☐ Young shoot: Intensity of pubescence	weak	strong
☐ Leaf: type	deciduous	deciduous
☐ Leaf: Colour	dark green	green
☐ Leaf: Glossiness	glossy	glossy
☐ Leaf: shape	ovate	
☐ Leaf: length of petiole	short	medium
☐ Leaf: presence of stipules	present	present
☐ Leaf: length of stipule	short(5-10mm)	long(15-20mm)

☐ Leaf: Distance of stipule from basal attachment of petiole	medium	medium
☐ Leaf : Length of blade	medium	long
☐ Leaf: Width of blade	broad	broad
☐ Leaf : Attitude of blade in relation to shoot	outwards	outwards
☐ Leaf blade: Shape of base	obtuse	obtuse
☐ Leaf blade: Shape of apex (excluding pointed tip)	acute	acute
☐ Leaf blade: length of pointed tip	very short	very short
☒ Leaf blade: Incision of margin (upper half)	sharply serrate	crenate
☐ Leaf blade: Depth of incisions of margin	medium	shallow
☐ Leaf blades : curvature of longitudinal axi	medium	medium
☐ Flowering : season	early spring	early spring
☐ Flower : colour	white	white

Prior Applications and Sales:

Nill

Description: Meenakshi Bhardwaj, Melbourne, VIC



Callery pear (*Pyrus calleryana*) – Candidate ‘Spright’ showing foliar and stem growth differences with comparator ‘Capital pear’

Details of Application

Application Number	2022/138
Variety Name	'Combat'
Genus Species	*Hordeum vulgare*
Common Name	Barley
Accepted Date	11-Aug-2022
Applicant	InterGrain Pty Ltd, 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 the breeding line VB0916 in InterGrain glasshouses at Bibra Lake in 2013. Molecular markers were used to select F1's from the topcross for resistance to SFNB, leaf rust and cereal cyst nematode. F2 seed was produced from a composite of the selected F1 plants and sown as spaced plants at the Wongan Hills Research Station during 2014. Selected F2's were sown as a bulk in the summer of 2014/15, 77 F3 single plant selections were taken and sown in double row plots at Freeling, SA in 2015. Selected lines were evaluated in yield trials over 6 locations across Australia in 2016. Reselections were taken from spaced plants grown at the Wongan Hills Research Station, multiplied over summer in Horsham, Vic, and sown in Stage 1 yield trials in 2017. Yield and disease nursery evaluations continued at multiple, national, locations in Stage 2, Stage 3, Stage 4 trials in the period 2018 - 2020. The reselection 13M116D-029-F5003 was promoted into Stage 3 trials under the acronym IGB1944 in 2019. IGB1944 was evaluated in NVT trials in 2021 and underwent commercial seed increase in 2022. Breeder: David Moody, InterGrain Pty Ltd, 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
Grain	type	husked
Ear	number of rows	two
Season	type	spring type
Grain	rachilla hair type	long

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Compass'	
'Fathom'	
'Buff'	

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

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

☒ Plant: length	medium	medium to long	medium	medium to long
☐ 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 to dense	medium	medium to dense	medium to dense
☐ Ear: length	medium	short to medium	medium	medium
☒ Awn: length	medium	medium	long	medium
☐ Median spikelet: length of glume and its awn relative to grain	equal	equal	equal	equal
☐ Grain: rachilla hair type	long	long	long	long
☐ Grain: type	husked	husked	husked	husked
☐ Lemma: shape of base	non-bevelled	non-bevelled	non-bevelled	non-bevelled
☐ Seasonal type:	spring type	spring type	spring type	spring type

Statistical Table

Organ/Plant Part: Context	'Combat'	'Buff'	'Compass'	'Fathom'
☒ Awn: Length (mm)				
Mean	82.30	83.70	93.10	83.40
Std. Deviation	5.70	3.33	4.63	6.06
Lsd/sig	19.62	ns	P≤0.01	ns
☒ Plant: Length (cm)				
Mean	105.80	111.20	107.50	113.00
Std. Deviation	4.37	3.08	6.22	2.87
Lsd/sig	14.27	P≤0.01	ns	P≤0.01

Prior Applications and Sales: Nil

Description: David Watson, Horsham, VIC 3402

Barley (*Hordeum vulgare)* variety 'Combat' with its comparators 'Compass', 'Fathom' and 'Buff'

Details of Application

Application Number	2022/146
Variety Name	'Kromio'
Genus Species	*Lactuca sativa*
Common Name	Lettuce
Accepted Date	07-Sep-2022
Applicant	Syngenta Crop Protection AG, Basel, Switzerland 4058
Agent	Syngenta Australia Pty. Ltd., Macquarie Park, NSW 2113
Qualified Person	David Gillespie

Details of Comparative Trial

Location	Liston New South Wales
Descriptor	TG/13/11
Period	2023
Conditions	Trial was located at Liston NSW. Soil is a deep grey sandy loam. Crop was irrigated by overhead sprinklers and fertilizer and spray program by grower practice. Trial sown on 4/09/2023 at Gatton. Plants were transplanted on 11/10/2023 at Liston New South Wales
Trial Design	Randomized complete block with 2 replicates with 30 plants per datum plot.
Measurements	According to TG/13/11 Lettuce *Lactuca sativa.*
RHS Chart - edition	Edition 6

Origin and Breeding

Controlled pollination: An F1 hybrid cross was sown at Torre-Pacheco, Spain in 2014 and was confirmed by phenotype and Molecular markers. Further selection work was carried out in the Netherlands. The main selection criteria were *Bremia lactucae* resistance, plant size, leaf type, leaf thickness and leaf colour together with good upper leaf surface characteristics. Also, tolerance to tip-burn and late bolting under hot conditions. Selection continued until the line was uniform and stable. Breeder: Miguel Roca, Syngenta Crop Protection AG, Basel, Switzerland 4058.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Leaf	anthocyanin coloration	present
Plant:	beginning of bolting	medium
Leaf	thickness	thin

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Emmagio'	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	'Kromio'	'Emmagio'
☒ Seed: colour	white	black
☐ Plant: diameter	small to medium	medium
☐ Plant: degree of overlapping of upper part of leaves	absent or weak	absent or weak
☐ Plant: number of leaves	many	medium to many
☐ Leaf: attitude	semi-erect	semi-erect
☒ Leaf: number of divisions	many	medium
☐ Leaf: shape	broad obtrullate	broad obtrullate
☐ Leaf: shape of apex	rounded	rounded
☐ Leaf: longitudinal section	concave	concave
☒ Leaf: anthocyanin colouration	very strong	strong
☒ Leaf: hue of anthocyanin colouration	purplish	brownish
☒ Leaf: area covered by anthocyanin colouration	large	medium
☒ Leaf: colour	greyish green	yellowish green

☐ Leaf: intensity of green colour	light to medium	light
☐ Leaf: glossiness of upper side	strong to very strong	strong
☐ Leaf: thickness	thin	thin
☐ Leaf: blistering	absent or very weak to weak	absent or very weak to weak
☐ Leaf: size of blisters	very small to small	very small to small
☐ Leaf: undulation of margin	strong	strong
☒ Leaf: type of incisions of margin	tridentate	bidentate
☐ Leaf: depth of incisions of margin	medium	shallow to medium
☐ Leaf: depth of secondary incisions of margin	shallow	shallow
☐ Leaf: density of incisions of margin	medium to dense	medium to dense
☐ Leaf: venation	flabellate	flabellate
☒ Stem: colour of flesh	light green	yellowish white
☐ Upper part of leaves: time of harvest maturity	medium	medium
☐ Plant: time of beginning of bolting	medium	medium to late
☐ Plant: axillary sprouting	medium	absent or weak

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	**'Kromio'**	**'Emmagio'**
☒ Cotyledon: length	small to medium	very small
☒ Cotyledon: shape	obovate	spatulate
☒ Leaf blade: hue of green colour	Greyish-green	yellowish-green
☒ Leaf blade: anthocyanin coloration	RHS 77A	RHS 72A
☒ Leaf: hue of anthocyanin	RHS 79A	RHS 72A
☒ Leaf: hue of green colour	RHS 77A	RHS N77B

Statistical Table

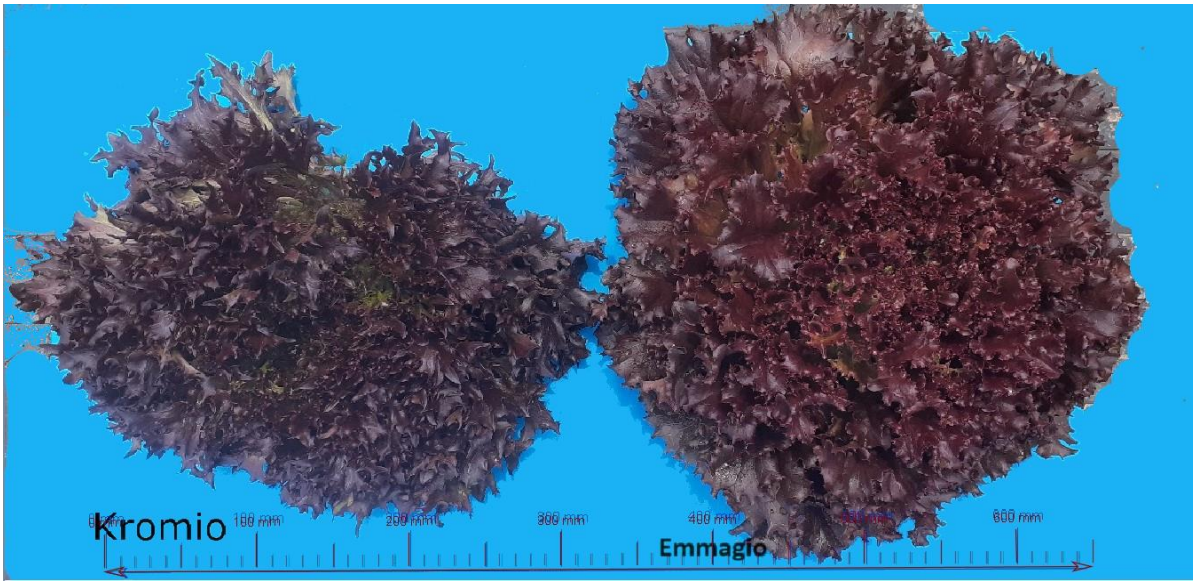
Organ/Plant Part: Context	'Kromio'	'Emmagio'
☒ Leaf: primary incisions depth (mm)		
Mean	14.20	10.10
Std. Deviation	1.72	1.80
Lsd/sig	1.05	P≤0.01
☒ Plant: diameter (mm)		
Mean	327.00	355.50
Std. Deviation	16.70	11.10
Lsd/sig	6.2	P≤0.01
☒ Cotyledon: length (mm)		
Mean	8.49	10.10
Std. Deviation	0.61	1.80
Lsd/sig	0.50	P≤0.01

Prior Applications and Sales:

Country	Year	Status	Name Applied
Japan	2022	Pending	'Kromio'

First sold in Australia on 16 August 2021.

Description: David Gillespie, Ormiston, QLD 4610



Lettuce (*Lactuca sativa*) variety 'Kromio' (left) showing differences in hue of leaf colour with its comparator 'Emmagio' (right)

Details of Application

Application Number	2022/152
Variety Name	'STUDIO'
Genus Species	*Lactuca sativa*
Common Name	Lettuce
Accepted Date	18-Oct-2022
Applicant	Syngenta Crop Protection AG, BASEL 4058, Switzerland
Agent	Syngenta Australia Pty. Ltd., NSW 2113, Australia
Qualified Person	David Gillespie

Details of Comparative Trial

Location	Yowrie NSW
Descriptor	TG/13/10 Rev.
Period	2023-2024
Conditions	Plants were grown on a light granite-based soil and trickle irrigated as required. Seed lots were as follows: Lot Number 'Studio' A 19 LMU 4341, 'Studio' B 20 LMU 2542, 'Exam' 20 LMU 2548
Trial Design	Randomized Complete Block Design with three replicates and each datum plot had a minimum of 20 plants.
Measurements	As per UPOV TG/13/10 Rev.
RHS Chart - edition	Edition 6 2015

Origin and Breeding

Controlled pollination: Observations were first made in Torre-Pacheco, Spain, The Netherlands and in Yowrie, New South Wales. A cross was made between Syngenta breeding lines '12LMU001535' and 'LS13445'. The commercial line 'Studio' was obtained after 7 cycles of selection and fixation by self-pollination. Selection criteria used were on plant size, slow bolting and tip-burn tolerance under hot conditions. Also, resistance to downy mildew was aided by Molecular Assistance Selection. Attention to upper and lower leaf quality and leaf shape was undertaken. Breeder: Miguel Roca, Syngenta Crop Protection AG, BASEL 4058, Switzerland.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Seedling	anthocyanin coloration	absent
Seedling	size of	medium
Leaf	attitude at 10-12 leaf	semi-erect
Plant	head formation	absent
Time of	harvest maturity	early

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Exam'	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	'STUDIO'	'Exam'
☐ *Seedling: anthocyanin colouration	absent	absent
☐ Seedling: size of cotyledon	medium	medium
☐ Seedling: shape of cotyledon	medium elliptic	medium elliptic
☐ Leaf: attitude at 10-12 leaf stage	semi-erect	semi-erect
☐ Leaf blade: division	divided	divided
☐ *Plant: diameter	medium	medium
☐ *Plant: head formation	no head	no head
☐ Leaf: thickness	medium	medium
☐ Leaf: attitude at harvest maturity	erect to semi-erect	erect to semi-erect
☐ Leaf: shape of tip	acute	acute
☐ *Leaf: hue of green colour of outer leaves	yellowish	yellowish
☐ *Leaf: intensity of colour of outer leaves	light to medium	light to medium
☐ *Leaf: anthocyanin colouration	absent	absent

☐ Leaf: glossiness of upper side	weak to medium	weak to medium
☐ *Leaf: blistering	very weak to weak	absent or very weak
☐ Leaf: size of blisters	very small to small	very small
☒ *Leaf blade: degree of undulation of margin	strong	very weak to weak
☐ Leaf blade: incisions of margin on apical part	present	present
☐ *Leaf blade: depth of incisions on margin on apical part	deep to very deep	deep to very deep
☐ Leaf blade: density of incisions on margin on apical part	dense	dense
☐ Leaf blade: venation	flabellate	flabellate
☐ Axillary: sprouting	absent or very weak	absent or very weak
☐ Time of: harvest maturity	early	early
☒ *Time of: beginning of bolting under long day conditions	late	medium
☐ Plant: height	medium	medium
☐ Plant: fasciation	absent	absent

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'STUDIO'	'Exam'
☒ seed: colour	brown	white
☐ seedling: shape of	medium elliptic	medium elliptic
☒ leaf: number of divisions	many	very many
☒ leaf: width of lobes	medium	narrow
☐ leaf: hue of green colour	light	light
☐ leaf: type of incisions of margin	tridendate	tridendate

Prior Applications and Sales:

Prior application: Nil

First sold in Australia in Aug 2021.

Description: John Oats, NSW 2550

Lettuce (*Lactuca sativa*) variety 'STUDIO' and its comparator 'Exam' showing differences in leaf blade

Details of Application

Application Number	2022/166
Variety Name	'IB 009-1'
Genus Species	*Antirrhinum majus*
Common Name	Snapdragon
Accepted Date	25-Oct-2022
Applicant	Plant Growers Australia, Wonga Park, Vic 3115
Agent	Plants Management Australia Pty Ltd, Dodges Ferry, Tas
Qualified Person	Jordan Smark

Details of Comparative Trial

Location	Wonga Park, VIC
Descriptor	
Period	September 2023 - January 2024
Conditions	Trial conducted in the open, plants propagated as cuttings September 2023, and transferred to 140mm pots in November 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: Cross pollination was undertaken with two previously bred selections, maternal parent, IB 903-7, and paternal parent, IB 904-1. Cross was undertaken as part of an ongoing Antirrhinum breeding program to produce a selection with purple foliage colour, yellow to light orange primary petal colour and single flower type. Seed was sown in August 2019 and seedlings raised to maturity in Autumn. At this time several initial selections were made in a range of desired colours and habits and subsequently grown on for a further six months to evaluate mature plant performance. In September 2020 a final selection was made on the breeding criteria above. Several cutting generations have all remained uniform and stable. Breeder: Plant Growers Australia, Wonga Park, Vic 3115

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	variegation	absent
Leaf	anthocyanin colouration of upper side	present
Leaf	anthocyanin colouration of lower side	present
Leaf	pubescence	absent or very weak
Flower	form	zygomorph
Flower	type	single
Upper lip	conspicuousness of veins	absent or very weak

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Bronze Dragon'	
'Black Prince'	

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 009-1'	'Black Prince'	'Bronze Dragon'
☒ *Plant: growth habit	bushy	single stem	bushy
☐ *Plant: attitude of shoots (varieties with bushy plant growth habit only)	upright to semi upright		upright to semi upright
☒ *Stem: length	short to medium	long	medium
☒ Stem: anthocyanin colouration	medium to strong	very strong	strong to very strong
☐ Stem: position of branching (varieties with bushy plant growth habit only)	along entire stem		along entire stem
☒ Stem: number of primary branches	medium	few	medium to many
☒ *Leaf: length	long	long to very long	medium
☒ *Leaf: width	medium	narrow to medium	very narrow to narrow
☐ *Leaf: variegation	absent	absent	absent

☐ *Leaf: intensity of green colour of upper side (varieties with leaf variegation absent only)	medium to dark	medium to dark	dark
☐ Leaf: anthocyanin colouration on lower side	present	present	present
☐ Leaf: pubescence	absent or very weak	absent or very weak	absent or very weak
☐ *Flower: form	zygomorph	zygomorph	zygomorph
☐ Flower: type	single	single	single
☒ *Flower: length	medium to long	long to very long	short to medium
☒ *Flower: width	medium	broad	narrow to medium
☒ Corolla tube: length	medium	long	short to medium
☒ Upper lip: width	medium	broad	medium
☐ Upper lip: conspicuousness of veins	absent or very weak	absent or very weak	absent or very weak
☒ *Upper lip: main colour of upper side (RHS colour chart)	3B	Ca 187C	69D
☒ Upper lip: main colour of lower side (RHS colour chart)	1D	59A	69D
☒ Lower lip: attitude of middle cusp lobe (relative to corolla tube)	semi drooping to drooping	horizontal to semi drooping	horizontal
☒ Lower lip: width of middle cusp lobe	narrow	medium to broad	very narrow to narrow
☒ *Lower lip: main colouf of upper side of cusp (RHS colour chart)	2B	Ca 187C	69D
☒ Lower lip: main colour of lower side of cusp (RHS colour chart)	4D	Ca 186D	69D
☒ *Lower lip: main colour of upper side of base (RHS colour chart)	2A	Ca 187C	70A
☒ *Lower lip: spot	absent	absent	present

☒ Corolla tube: colour of outer side (RHS colour chart)	NN155A	Ca N186D	NN155B

Characteristics Additional to the Descriptor/TG

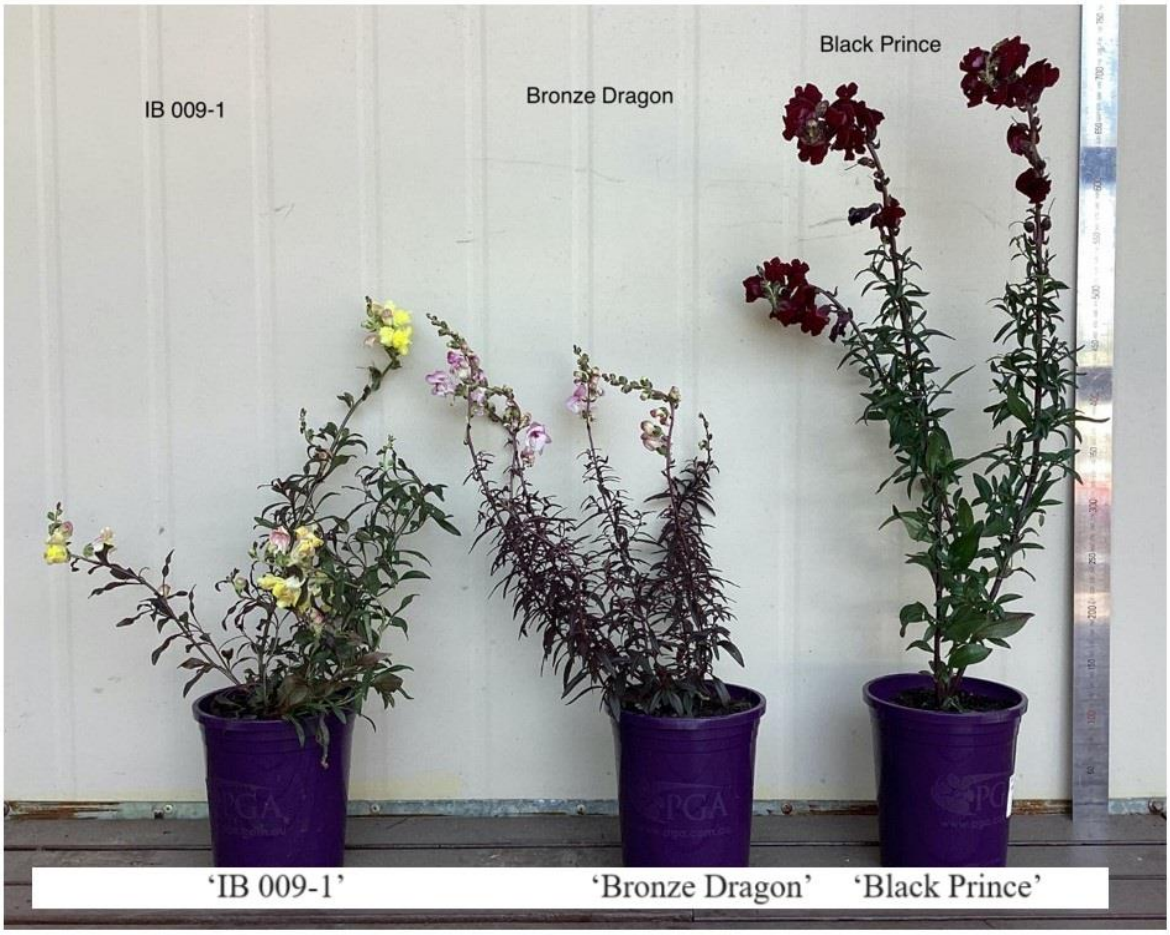
Organ/Plant Part: Context	'IB 009-1'	'Black Prince'	'Bronze Dragon'
☐ Leaf: anthocyanin colouration of upper side	present	present	present
☒ Leaf: intensity of anthocyanin colouration of upper side	medium	very weak to weak	very strong
☐ Lower lip: size of spot	absent	absent	very small
☐ Lower lip: colour of spot (RHS colour chart)	absent	absent	7A

Prior Applications and Sales:

No prior applications.

First sold in Australia on 8th Oct 2021 as 'IB 009-1'

Description: **Jordan Smark**, Wonga Park, Vic



Antirrhinum majus (Snapdragon) variety 'IB 009-1' with comparators 'Black Prince' and 'Bronze Dragon'

Details of Application

Application Number	2022/167
Variety Name	'IB 009-2'
Genus Species	*Antirrhinum majus*
Common Name	Snapdragon
Synonym	
Accepted Date	03-Nov-2022
Applicant	Plant Growers Australia, Wonga Park, VIC
Agent	Plants Management Australia Pty Ltd, Dodges Ferry, Tas
Qualified Person	Jordan Smark

Details of Comparative Trial

Location	Wonga Park, VIC
Descriptor	TG/221/1 Antirrhinum
Period	September 2023 - January 2024
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. Cross pollination was undertaken with two previously bred selections, maternal parent, IB 903-1, and paternal parent, IB 904-6. Cross was undertaken as part of an ongoing Antirrhinum breeding program to produce a selection with purple foliage colour, light pink primary petal colour and single flower type. Seed was sown in August 2019 and seedlings raised to maturity in Autumn. At this time several initial selections were made in a range of desired colours and habits and subsequently grown on for a further six months to evaluate mature plant performance. In September 2020 a final selection was made on the breeding criteria above. Several cutting generations have all remained uniform and stable. Breeder: Plant Growers Australia, Wonga Park, VIC

Choice of Comparators

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Leaf	variegation	absent
Leaf	anthocyanin colouration of upper side	present
Leaf	anthocyanin colouration of lower side	present
Leaf	pubescence	absent or very weak
Flower	form	zygomorph
Flower	type	single
Lower lip	conspicuousness of veins	absent or very weak

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Bronze Dragon'	
'IB 009-1'	
'Black Prince'	

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 009-2'	'Black Prince'	'Bronze Dragon'	'IB 009-1'
☒ *Plant: growth habit	bushy	single stem	bushy	bushy
☐ *Plant: attitude of shoots (varieties with bushy plant growth habit only)	upright to semi upright		upright to semi upright	upright to semi upright
☒ *Stem: length	medium	long	medium	short to medium
☒ Stem: anthocyanin colouration	medium to strong	very strong	strong to very strong	medium to strong

☐ Stem: position of branching (varieties with bushy plant growth habit only)	along entire stem		along entire stem	along entire stem
☒ Stem: number of primary branches	medium	few	medium to many	medium
☒ *Leaf: length	long	long to very long	medium	long
☒ *Leaf: width	narrow	narrow to medium	very narrow to narrow	medium
☐ *Leaf: variegation	absent	absent	absent	absent
☐ *Leaf: intensity of green colouf of upper side (varieties with leaf variegation absent only)	dark	medium to dark	dark	medium to dark
☐ Leaf: anthocyanin colouration on lower side	present	present	present	present
☐ Leaf: pubescence	absent or very weak	absent or very weak	absent or very weak	absent or very weak
☐ *Flower: form	zygomorph	zygomorph	zygomorph	zygomorph
☐ Flower: type	single	single	single	single
☒ *Flower: length	medium to long	long to very long	short to medium	medium to long
☒ *Flower: width	narrow to medium	broad	narrow to medium	medium
☒ Corolla tube: length	medium	long	short to medium	medium
☒ Upper lip: width	narrow to medium	broad	medium	medium
☐ Upper lip: conspicuousness of veins	absent or very weak	absent or very weak	absent or very weak	absent or very weak
☒ *Upper lip: main colour of upper side (RHS colour chart)	70C	Ca 187C	69D	3B
☒ Upper lip: main colour of lower side (RHS colour chart)	70C	59A	69D	1D
☒ Lower lip: attitude of middle cusp lobe (relative to corolla tube)	horizontal to semi drooping	horizontal to semi drooping	horizontal	semi drooping to drooping

☒ Lower lip: width of middle cusp lobe	narrow	medium to broad	very narrow to narrow	narrow
☒ *Lower lip: main colouf of upper side of cusp (RHS colour chart)	69D	Ca 187C	69D	2B
☒ Lower lip: main colour of lower side of cusp (RHS colour chart)	69D	Ca 186D	69D	4D
☒ *Lower lip: main colour of upper side of base (RHS colour chart)	NN155D	Ca 187C	70A	2A
☒ *Lower lip: spot	present	absent	present	absent
☐ Lower lip: size of spot	very small		very small	
☒ Lower lip: colour of spot (RHS colour chart)	2A		7A	
☒ Corolla tube: colour of outer side (RHS colour chart)	NN155B	Ca N186D	NN155B	NN155A

Characteristics Additional to the Descriptor/TG

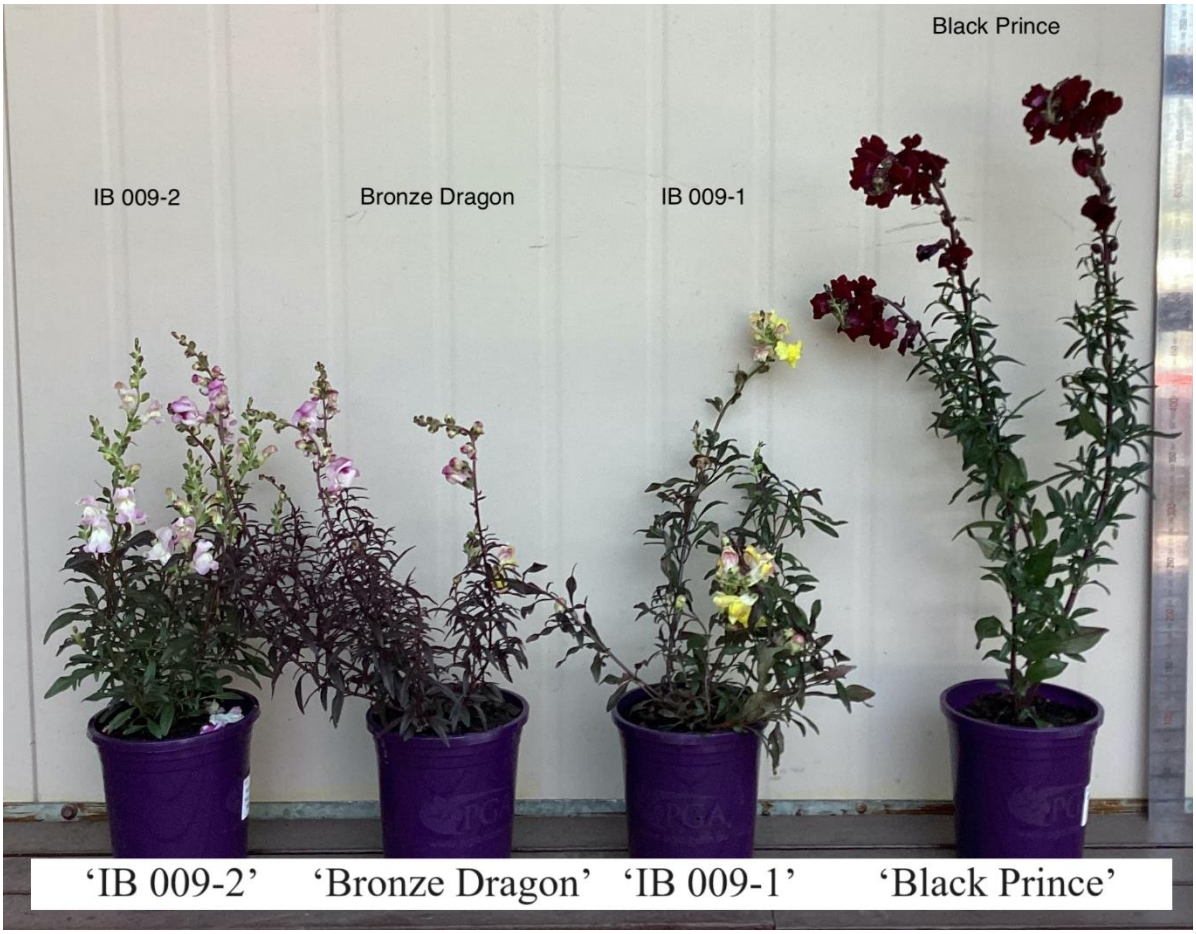
Organ/Plant Part: Context	'IB 009-2'	'Black Prince'	'Bronze Dragon'	'IB 009-1'
☐ Leaf: anthocyanin colouration of upper side	present	present	present	present
☒ Leaf: intensity of anthocyanin colouration of upper side	medium to strong	very weak to weak	very strong	medium

Prior Applications and Sales:

No prior applications.

First sold in Australia on 30th Sep 2021 as 'IB 009-2'

Description: **Jordan Smark**, Wonga Park, Vic



Antirrhinum majus (Snapdragon) variety ‘IB 009-2’ with comparators ‘Bronze Dragon’, ‘IB 009-1’ and ‘Black Prince’

Details of Application

Application Number	2022/168
Variety Name	'IB 009-3'
Genus Species	*Antirrhinum majus*
Common Name	Snapdragon
Synonym	
Accepted Date	03-Nov-2022
Applicant	Plant Growers Australia, Wonga Park, VIC
Agent	Plants Management Australia Pty Ltd, Dodges Ferry, Tas
Qualified Person	Jordan Smark

Details of Comparative Trial

Location	Wonga Park, VIC
Descriptor	TG/221/1 Antirrhinum
Period	September 2023 - January 2024
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: Cross pollination was undertaken with two previously bred selections, maternal parent, IB 903-1, and paternal parent, IB 904-6. Cross was as part of an ongoing Antirrhinum breeding program to produce a selection with purple foliage colour, dark pink primary petal colour and single flower type. Seed was sown in August 2019 and seedlings raised to maturity in Autumn. At this time several initial selections were made in a range of desired colours and habits and subsequently grown on for a further six months to evaluate mature plant performance. In September 2020 a final selection was made on the breeding criteria above. Several cutting generations have all remained uniform and stable. Breeder: Plant Growers Australia, Wonga Park, VIC

Choice of Comparators:

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Leaf	variegation	absent
Leaf	anthocyanin colouration of upper side	present
Leaf	anthocyanin colouration of lower side	present
Leaf	pubescence	absent or very weak
Flower	form	zygomorph
Upper lip	conspicuousness of veins	absent or very weak
Flower	type	single

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Bronze Dragon'	
'IB 009-2'	
'IB 009-1'	
'Black Prince'	

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 009-3'	'Black Prince'	'Bronze Dragon'	'IB 009-1'	'IB 009-2'
☒ *Plant: growth habit	bushy	single stem	bushy	bushy	bushy
☐ *Plant: attitude of shoots (varieties with bushy plant growth habit only)	upright to semi upright		upright to semi upright	upright to semi upright	upright to semi upright
☒ *Stem: length	medium	long	medium	short to medium	medium

☒ Stem: anthocyanin colouration	strong	very strong	strong to very strong	medium to strong	medium to strong
☐ Stem: position of branching (varieties with bushy plant growth habit only)	along entire stem		along entire stem	along entire stem	along entire stem
☒ Stem: number of primary branches	medium	few	medium to many	medium	medium
☒ *Leaf: length	medium	long to very long	medium	long	long
☒ *Leaf: width	medium	narrow to medium	very narrow to narrow	medium	narrow
☐ *Leaf: variegation	absent	absent	absent	absent	absent
☐ *Leaf: intensity of green colouf of upper side (varieties with leaf variegation absent only)	medium to dark	medium to dark	dark	medium to dark	dark
☐ Leaf: anthocyanin colouration on lower side	present	present	present	present	present
☐ Leaf: pubescence	absent or very weak	absent or very weak	absent or very weak	absent or very weak	absent or very weak
☐ *Flower: form	zygomorph	zygomorph	zygomorph	zygomorph	zygomorph
☐ Flower: type	single	single	single	single	single
☒ *Flower: length	medium to long	long to very long	short to medium	medium to long	medium to long
☒ *Flower: width	narrow to medium	broad	narrow to medium	medium	narrow to medium
☒ Corolla tube: length	medium	long	short to medium	medium	medium
☒ Upper lip: width	medium	broad	medium	medium	narrow to medium
☐ Upper lip: conspicuousness of veins	absent or very weak	absent or very weak	absent or very weak	absent or very weak	absent or very weak
☒ *Upper lip: main colour of upper side (RHS colour chart)	64B	Ca 187C	69D	3B	70C

☒Upper lip: main colour of lower side (RHS colour chart)	64C	59A	69D	1D	70C
☒Lower lip: attitude of middle cusp lobe (relative to corolla tube)	semi drooping to drooping	horizontal to semi drooping	horizontal	semi drooping to drooping	horizontal to semi drooping
☒Lower lip: width of middle cusp lobe	narrow to medium	medium to broad	very narrow to narrow	narrow	narrow
☒*Lower lip: main colouf of upper side of cusp (RHS colour chart)	71A	Ca 187C	69D	2B	69D
☒Lower lip: main colour of lower side of cusp (RHS colour chart)	72A	Ca 186D	69D	4D	69D
☒*Lower lip: main colour of upper side of base (RHS colour chart)	71A	Ca 187C	70A	2A	NN155D
☒*Lower lip: spot	present	absent	present	absent	present
☒Lower lip: size of spot	medium to large		very small		very small
☒Lower lip: colour of spot (RHS colour chart)	9A		7A		2A
☒Corolla tube: colour of outer side (RHS colour chart)	NN155C	Ca N186D	NN155B	NN155A	NN155B

Characteristics Additional to the Descriptor/TG

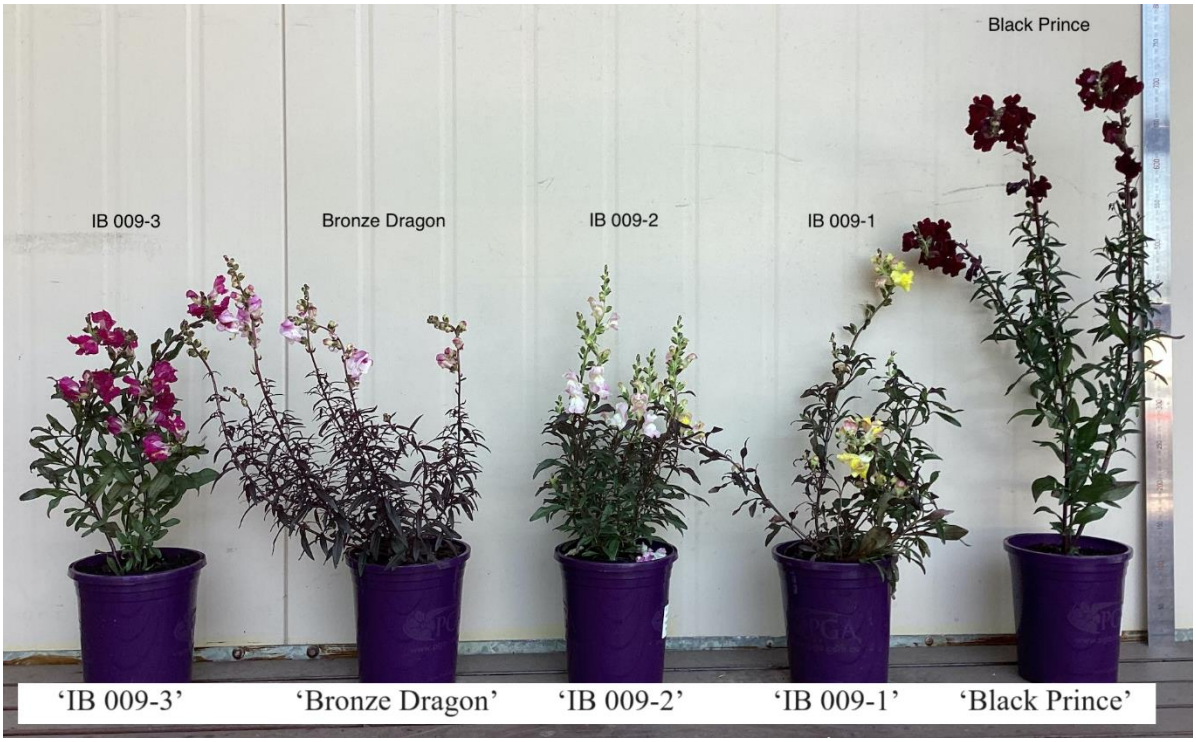
Organ/Plant Part: Context	**'IB 009-3'**	**'Black Prince'**	**'Bronze Dragon'**	**'IB 009-1'**	**'IB 009-2'**
☐Leaf: anthocyanin colouration of upper side	present	present	present	present	present
☒Leaf: intensity of anthocyanin colouration of upper side	weak to medium	very weak to weak	very strong	medium	medium to strong

Prior Applications and Sales:

No prior applications.

First sold in Australia on 21st Oct 2021 as 'IB 009-3'

Description: **Jordan Smark**, Wonga Park, Vic



Antirrhinum majus (Snapdragon) variety 'IB 009-3' with comparators 'Bronze Dragon', 'IB 009-1' and 'Black Prince'

Details of Application

Application Number	2022/169
Variety Name	'IB 904-4'
Genus Species	*Antirrhinum majus*
Common Name	*Snapdragon*
Accepted Date	04-Oct-2022
Applicant	Plant Growers Australia, Wonga Park, Vic
Agent	Plants Management Australia Pty Ltd, Dodges Ferry, Tas
Qualified Person	Jordan Smark

Details of Comparative Trial

Location	Wonga Park, VIC
Descriptor	TG/221/1 Antirrhinum
Period	September 2023 - January 2024
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: Seedlings were raised from seed of a batch of Dark Leaf Pale Pink #1 (non-commercial). Breeding was undertaken as part of an ongoing Antirrhinum breeding program to produce a selection with purple foliage colour. Seed was sown in July 2018 and seedlings raised to maturity in Autumn (April 2019). At this time several initial selections were made in a range of desired colours and habits and subsequently grown on for a further six 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

Choice of Comparators

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

Organ/Plant Part	Context		State of Expression in Group of Varieties
Stem	position of branching		along entire stem
Stem	number of primary branches		medium
Leaf	variegation		absent
Leaf	anthocyanin colouration of upper side		present
Leaf	anthocyanin colouration of lower side		present
Leaf	pubescence		absent or very weak
Flower	form		zygomorph
Flower	type	single	
Flower	length	medium to long	
Upper lip	conspicuousness of veins	absent or very weak	
Plant	growth habit	bushy	
Plant	attitude of shoots	upright to semi upright	

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'IB 009-3'	
'IB 009-2'	
'IB 009-1'	

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 904-4'	'IB 009-1'	'IB 009-2'	'IB 009-3'
☐ *Plant: growth habit	bushy	bushy	bushy	bushy
☐ *Plant: attitude of shoots (varieties with bushy plant growth habit only)	upright to semi upright	upright to semi upright	upright to semi upright	upright to semi upright

☐ *Stem: length	short to medium	short to medium	medium	medium
☒ Stem: anthocyanin colouration	weak to medium	medium to strong	medium to strong	strong
☐ Stem: position of branching (varieties with bushy plant growth habit only)	along entire stem	along entire stem	along entire stem	along entire stem
☐ Stem: number of primary branches	medium	medium	medium	medium
☒ *Leaf: length	medium	long	long	medium
☒ *Leaf: width	medium	medium	narrow	medium
☐ *Leaf: variegation	absent	absent	absent	absent
☒ *Leaf: intensity of green colouf of upper side (varieties with leaf variegation absent only)	medium	medium to dark	dark	medium to dark
☐ Leaf: anthocyanin colouration on lower side	present	present	present	present
☐ Leaf: pubescence	absent or very weak	absent or very weak	absent or very weak	absent or very weak
☐ *Flower: form	zygomorph	zygomorph	zygomorph	zygomorph
☐ Flower: type	single	single	single	single
☐ *Flower: length	medium to long	medium to long	medium to long	medium to long
☐ *Flower: width	medium	medium	narrow to medium	narrow to medium
☐ Corolla tube: length	medium to long	medium	medium	medium
☒ Upper lip: width	medium to broad	medium	narrow to medium	medium
☐ Upper lip: conspicuousness of veins	absent or very weak	absent or very weak	absent or very weak	absent or very weak
☒ *Upper lip: main colour of upper side (RHS colour chart)	71C	3B	70C	64B
☐ Upper lip: main colour of lower side (RHS colour chart)	N66D	1D	70C	64C

☐ Lower lip: attitude of middle cusp lobe (relative to corolla tube)	semi drooping	semi drooping to drooping	horizontal to semi drooping	semi drooping to drooping
☐ Lower lip: width of middle cusp lobe	narrow	narrow	narrow	narrow to medium
☒ *Lower lip: main colouf of upper side of cusp (RHS colour chart)	75B	2B	69D	71A
☒ Lower lip: main colour of lower side of cusp (RHS colour chart)	75C	4D	69D	72A
☒ *Lower lip: main colour of upper side of base (RHS colour chart)	71A	2A	NN155D	71A
☒ *Lower lip: spot	present	absent	present	present
☒ Lower lip: size of spot	small to medium		very small	medium to large
☒ Lower lip: colour of spot (RHS colour chart)	13B		2A	9A
☐ Corolla tube: colour of outer side (RHS colour chart)	NN155A	NN155A	NN155B	NN155C

Characteristics Additional to the Descriptor/TG

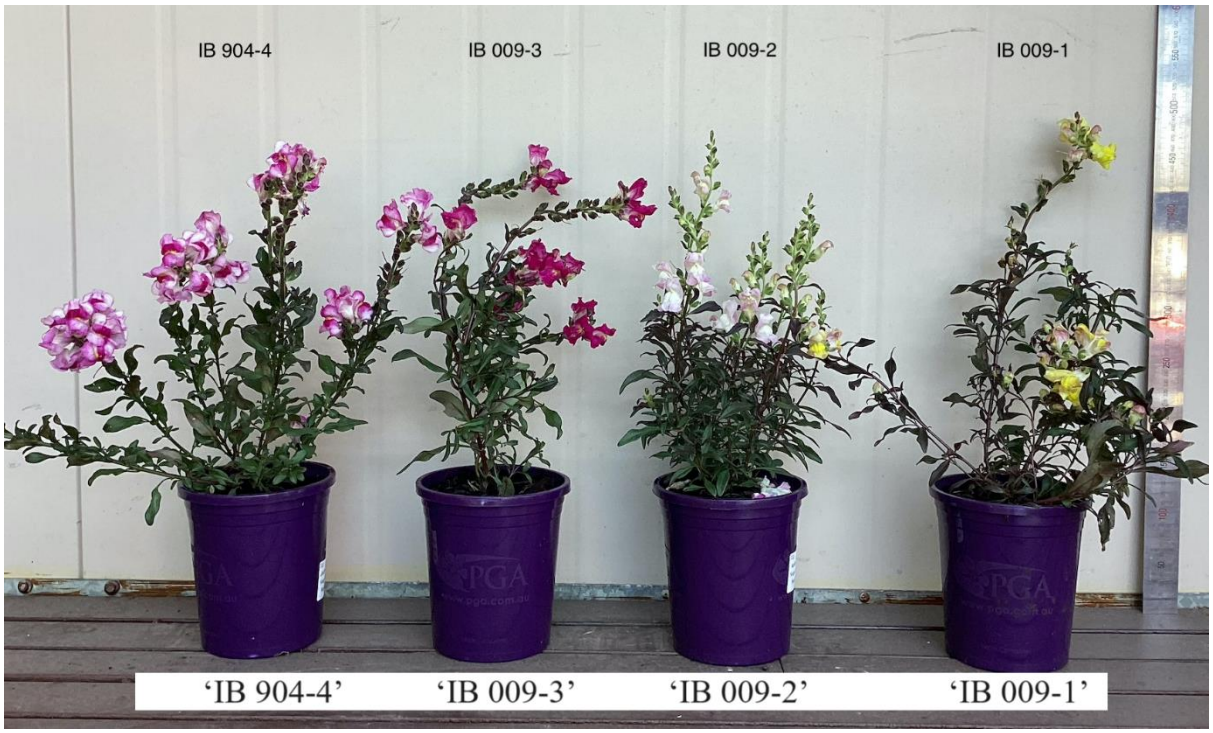
Organ/Plant Part: Context	'IB 904-4'	'IB 009-1'	'IB 009-2'	'IB 009-3'
☐ Leaf: anthocyanin colouration of upper side	present	present	present	present
☒ Leaf: intensity of anthocyanin colouration of upper side	weak to medium	medium	medium to strong	weak to medium

Prior Applications and Sales:

No prior applications.

First sold in Australia on 14th Oct 2021 as 'IB 009-4'

Description: **Jordan Smark**, Wonga Park, Vic



Antirrhinum majus (Snapdragon) variety 'IB 904-4' with comparators 'IB 009-3', 'IB 009-2' and 'IB 009-1'

Details of Application

Application Number	2022/187
Variety Name	'SVGG1312'
Genus Species	*Phaseolus vulgaris*
Common Name	French Bean
Accepted Date	01-Nov-2022
Applicant	Seminis Vegetable Seeds, Inc., 800 North Lindbergh Blvd., St. Louis, Missouri, USA
Agent	Monsanto Australia Pty Ltd., 8 Redfern Road, Hawthorn East, VIC
Qualified Person	David Campbell

Details of Comparative Trial

Overseas Testing Authority	Naktuinbouw, The Netherlands
Overseas Data Reference Number	BON2062
Location	Naktuinbouw, ROELOFARENDSVEEN, The Netherlands
Descriptor	TP/12/4 d.d. 27-02-2013
Period	2021 - 2022
Conditions	The trial was carried out under the standard conditions for Phaseolus vulgaris L. (Dwarf French Bean Group) at Naktuinbouw testing station in the Netherlands.
Trial Design	The trial was carried out under the standard trial design for Phaseolus vulgaris L. (Dwarf French Bean Group) at Naktuinbouw testing station in the Netherlands.
Measurements	Measurements provided by Naktuinbouw in accordance with technical guidelines.
RHS Chart - edition	n/a

Origin and Breeding

Controlled pollination: 'SVGG1312' was developed by pedigree selection at Seminis Vegetable Seeds, Inc.'s Northern European breeding station for open field crops in Wageningen, The Netherlands. It originates from a hand pollinated cross between two breeding lines owned by Seminis Vegetable Seeds, Inc. 'Sybaris' and 'SV6756GG'. Female parent, 'Sybaris', is a garden bean variety developed and owned by Seminis Vegetable Seeds, Inc. This is a main season variety with high yield and very dark green pods with glossy appearance. Male parent, 'SV6756GG', a garden bean variety developed and owned by Seminis Vegetable Seeds, Inc. This is a variety with medium green pod colour without the glossy appearance and a larger pod diameter (mainly 4 sieve) than the female parent. The initial cross

of 'Sybaris' and 'SV6756GG' was made in the greenhouse in the fall of 2012. After 7 generations of self-pollination and pedigree selection, a line ('SVGG1312') was selected for yield, dark green and glossy pod colour, rust resistance and an improved root system. Breeder: Arie Oppelaar, Seminis Vegetable Seeds, Inc., 800 North Lindbergh Blvd., St. Louis, Missouri, 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 type	dwarf
Flower	Colour of standard	white
Pod	Shape of cross section (through seed)	circular
Pod	ground colour	green
Seed	number of colours	one
Seed	main colour (largest area)	
Plant	resistance to Bean anthracnose (*Colletotrichum lindemuthianum*) race 6	present
Plant	resistance to Bean Common Mosaic Virus (BCMV)	present with necrosis

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Bowie'	

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
'Sybaris'	Leaf: intensity of green colour	medium to dark	dark to very dark	

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

Organ/Plant Part: Context	'SVGG1312'	'Bowie'
☐ Plant: anthocyanin colouration of hypocotyl	absent	
☐ *Plant: growth type	dwarf	
☐ Plant: type (dwarf beans only)	non-trailing	
☐ Plant: height (dwarf beans only)	tall	

☒ *Leaf: intensity of green colour	medium to dark	dark to very dark
☒ Leaf: rugosity	medium to strong	strong
☐ Terminal leaflet: size	medium	
☐ Terminal leaflet: shape	circular to rhombic	
☐ Inflorescences: position (at full flowering) (dwarf beans only)	intermediate	
☒ Flower: size of bracts	small	medium to large
☐ *Flower: colour of standard	white	
☐ *Flower: colour of wing	white	
☐ *Pod: length (excluding beak) (dwarf beans only)	short to medium	
☐ Pod: width	narrow	
☐ Pod: thickness	medium	
☐ *Pod: shape in cross section (through seed)	circular	
☐ Pod: ratio thickness/width	medium	
☐ *Pod: ground colour	green	
☐ Pod: intensity of ground colour	very dark	
☐ *Pod: presence of secondary colour	absent	
☐ *Pod: stringiness of ventral suture	absent	
☐ Pod: degree of curvature	very slight to weak	
☐ Pod: shape of curvature	concave	
☐ Pod: shape of distal part (excluding beak)	acute to truncate	
☐ *Pod: length of beak	medium	
☐ Pod: curvature of beak	very weak to weak	
☐ Pod: texture of surface	smooth or slightly rough	
☐ Pod: constrictions (at dry stage)	moderate	

☐ *Seed: weight	low	
☐ Seed: shape in longitudinal section	kidney-shaped	
☒ Seed: degree of curvature (varieties with kidney shaped seed only)	medium	weak
☐ Seed: shape in cross section	broad elliptic	
☐ Seed: width in cross section	narrow to medium	
☐ Seed: length	short to medium	
☐ *Seed: number of colours	one	
☐ *Seed: main colour (largest area)	white	
☐ Seed: veining	medium to strong	
☐ *Time of: flowering (50% of the plants with at least one flower)	medium	
☐ Resistance to : Bean anthracnose (Colletotrichum lindemuthianum) Race 6	present	
☐ *Resistance to: Bean Common Mosaic Necrosis Virus (BCMNV)	present with necrosis	
☐ Resistance to : Halo Blight (*Pseudomonas syringae* pv. *phaseolicola*) Race 6	present	

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	**'SVGG1312'**	**'Bowie'**
☐ Resistance to Bean Rust: race 90	medium	

Prior Applications and Sales:

Country	**Year**	**Status**	**Name Applied**
EU	2021	Granted	'SVGG1312'
United Kingdom	2021	Granted	'SVGG1312'

First sold in Australia in October 2021 and South Africa in September 2020

Description: David Campbell, 36 Masthead Drive, Bargara, QLD

French Bean (*Phaseolus vulgaris*) variety 'SVGG1312'

Details of Application

Application Number	2022/218
Variety Name	'Grewger'
Genus Species	*Lactuca sativa*
Common Name	Lettuce
Accepted Date	19-Dec-2022
Applicant	Syngenta Crop Protection AG, Basel, Switzerland 4058
Agent	Syngenta Australia Pty. Ltd., Macquarie Park, NSW 2113
Qualified Person	David Gillespie

Details of Comparative Trial

Location	Liston New South Wales
Descriptor	TG/13/11
Period	2023
Conditions	Soil is a deep grey sandy loam. Irrigation was by overhead sprinkler system. Fertilizers and spray program was to grower practice in a commercial lettuce field. Plants were not stressed. Germination of 'Meditation' was slow so the plant population for each replicate was reduced to 16. The plants that did germinate were satisfactory. Trial sown on 4/09/2023 at Gatton. Plants were transplanted on 11/10/2023 at Liston New South Wales
Trial Design	Randomized Complete Block with 2 replications with 16 plants per datum plot.
Measurements	Measurements were taken in accordance with TG/13/11.
RHS Chart - edition	Edition 6

Origin and Breeding

Controlled pollination: A cross was made between a green maternal lettuce parent and a red colored paternal parent that produced F1 seed in 2015. The F1 hybrid was grown in Torre-Pacheco, Spain. Much of the selection work was carried out in De Lier, Netherlands. Criteria for selection were leaf thickness, lateness of bolting and tip-burn tolerance under hot conditions. Molecular Marker Assistance Selection was used to select for Bremia lactucae resistance notably BL:29 EU. The commercial variety 'Grewger' as obtained after 7 cycles of selection for the above characteristics. The last two cycles of selection were for uniformity and stability of the variety. Large- and small-scale trials were carried out to determine the best time slot for the variety under different growing conditions.

The occurrence of off types was rare. Breeder: Miguel Roca, Syngenta Crop Protection AG, Basel, Switzerland 4058.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant:	Time of beginning of bolting	medium
Resistance to:	Bremia lactucae (BI) 16 EU	present
Leaf:	anthocyanin coloration	absent or very weak

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Meditation'	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	'Grewger'	'Meditation'
☒ Seed: colour	white	black
☒ Plant: diameter	very small to small	small to medium
☐ Plant: degree of overlapping of upper part of leaves	absent or weak	absent or weak
☐ Plant: number of leaves	medium	medium to many
☐ Leaf: attitude	semi-erect to horizontal	semi-erect to horizontal
☐ Leaf: number of divisions	absent or very few	absent or very few
☒ Leaf: shape	medium oblate	obovate
☐ Leaf: shape of apex	rounded	rounded
☐ Leaf: longitudinal section	concave	concave
☐ Leaf: anthocyanin colouration	absent or very weak	absent or very weak

☐ Leaf: colour	green	green
☐ Leaf: intensity of green colour	medium to dark	medium to dark
☐ Leaf: glossiness of upper side	medium	medium
☒ Leaf: thickness	very thick	thick
☒ Leaf: blistering	weak	medium
☐ Leaf: size of blisters	small	medium
☐ Leaf: undulation of margin	weak	weak
☐ Leaf: type of incisions of margin	irregularly dentate	irregularly dentate
☐ Leaf: depth of incisions of margin	shallow	shallow
☐ Leaf: depth of secondary incisions of margin	very shallow	shallow
☐ Leaf: density of incisions of margin	sparse	sparse
☐ Leaf: venation	flabellate	flabellate
☐ Stem: colour of flesh	light green	light green
☐ Upper part of leaves: time of harvest maturity	medium	medium
☐ Plant: time of beginning of bolting	medium	medium
☐ Plant: axillary sprouting	absent or weak	absent or weak

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Grewger'	'Meditation'
☐ Plant: Resistance to Bremia lactucae (Bl) Isolate 33	not observed	not observed
☐ plant: Resistance to Bremia lactucae (Bl) Isolate 35	not observed	not observed
☒ Cotyledon: length	medium to large	small to medium
☒ Cotyledon: shape	obcordate	medium elliptic

Statistical Table

Organ/Plant Part: Context	'Grewger'	'Meditation'
☒ Cotyledon: length (mm)		
Mean	10.80	8.70
Std. Deviation	0.83	0.99
Lsd/sig	0.8	P≤0.01
☒ Plant: diameter (mm)		
Mean	243.90	315.00
Std. Deviation	6.81	16.80
Lsd/sig	8.62	P≤0.01

Prior Applications and Sales:

Country	Year	Status	Name Applied
European Union	2022	Pending	'Grewger'
Netherlands	2022	Pending	'Grewger'
USA	2022	Pending	'Grewger'
New Zealand	2022	Pending	'Grewger'

First sold in Australia on 11 November 2021.

Description: David Gillespie, Ormiston, QLD 4610

Lettuce (*Lactuca sativa*) ‘Grewger’ (left) showing thick leaves compared to its comparator ‘Meditation’

Details of Application

Application Number	2022/227
Variety Name	'CPV6'
Genus Species	*Stenotaphrum secundatum*
Common Name	Buffalo Grass
Accepted Date	03-Jan-2023
Applicant	Clayton Brian Philip, Carabooda, WA
Agent	Peter McMaugh AM, Carlingford, NSW
Qualified Person	Peter McMaugh

Details of Comparative Trial

Location	Carlingford, NSW
Descriptor	PBR BUFF Buffalo Grass (New)
Period	Sept 2023 - Mar 2024
Conditions	Trial grown in 100mm pots, in a mix of sand and organic matter under standard nursery regime of irrigation and fertiliser. 30 pots of each variety were grown in full sun and irrigated via capillary action.
Trial Design	Block Design
Measurements	As per UPOV standards
RHS Chart - edition	2nd Edition (1986)

Origin and Breeding

Chance seedling - While weeding a lawn at Wanneroo (WA) a seedling with a different leaf colour was observed. This plant was extracted and grown on in pots to evaluate whether or not it was viable. It was determined that the variety held some merit and met the requirements for uniformity and stability. Breeder: Clayton Philp, Carabooda

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

Organ/Plant Part	ContextState of Expression in Group of Varieties	
Leaf	presence of variegation	present

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
Qld variegated variety 1	
Qld variegated variety 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	'CPV6'	Qld variegated variety 1	Qld variegated variety 2
☒ Plant: height	tall	short	tall
☐ Plant: width	medium	medium	broad
☐ Plant: density	dense	dense	sparse to medium
☐ Stolon: nodes	compound	compound	compound
☐ Stolon: number of branches	medium	medium	medium
☒ Stolon: length of internode	long	short	medium to long
☐ Stolon: width of internode	medium	medium	medium
☐ Stolon: shape in cross section	oval	flattened	flattened
☐ Stolon: colour (where exposed to sun)	greenish brown	brown	brown
☒ Stolon: anthocyanin coloration of leaf sheath	absent or very weak	medium	absent or very weak
☐ Stolon: length of outer (shorter) leaf sheath	short to medium	short	medium
☒ Stolon: length of leaf blade	medium to long	short	long
☐ Stolon: width of leaf blade	narrow	medium	medium to broad
☐ Stolon: leaf blade shape	ovate	oval	oval
☐ Stolon: leaf blade shape in cross section	folded	folded	folded
☐ Stolon: leaf blade shape of apex	rounded	rounded	rounded
☒ Culm: length	long	short	not present
☒ Culm: internode length	long	short	not present

☐ Culm: internode width	medium	medium	not present
☒ Culm: flag leaf sheath length	long	medium	not present
☐ Culm : flag leaf blade length	short	very short	not present
☐ Culm: flag leaf blade width	medium	narrow to medium	not present
☒ Peduncle: length	medium to long	short	not present
☒ Peduncle: width	narrow	medium	not present
☒ Inflorescence: length	long	short	not present
☒ Inflorescence: number of spikelets	few	medium to many	not present
☒ Inflorescence : density of spikelets	sparse	medium to dense	not present
☐ Spikelet: stigma colour	red-purple	red-purple	not present
☐ Spikelet: awn	absent	absent	absent

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'CPV6'	Qld variegated variety 1	Qld variegated variety 2
☐ Leaf: presence of variegation	present	present	present
☐ Leaf : primary colour (RHS)	137A	136A	137B
☐ Leaf: secondary colour (RHS)	150D - 149D	150D - 149D	154C - 150C
☐ Leaf: presence of terminal gland	absent	absent	absent
☒ Leaf: presence of silica cells	absent	absent	present in margins

Prior Applications and Sales:
Nill

Description: Peter McMaugh, Carlingford, NSW

Buffalo Grass (*Stenotaphrum secundatum*) – Candidate 'CPV1' showing differences in foliar, floral and growth characteristics with comparators 'QLD 1' and 'QLD 2'

Details of Application

Application Number	2022/230
Variety Name	'LICS20-0033'
Genus Species	*Lactuca sativa*
Common Name	Lettuce
Accepted Date	19-Dec-2022
Applicant	Syngenta Crop Protection AG, Basel, Switzerland 4058
Agent	Syngenta Australia Pty. Ltd., Macquarie Park, NSW 2113
Qualified Person	David Gillespie

Details of Comparative Trial

Location	Liston New South Wales
Descriptor	TG/13/11 (new) Lettuce Lactuca sativa
Period	2023
Conditions	Trial was located at Liston NSW. The soil type is a deep sandy loam. The trial was irrigated by overhead sprinklers, fertilizer and spray program was to grower practice. Plants were stress free. Trial was sown on 4/09/2023 at Gatton. Plants were transplanted on 11/10/2023 at Liston New South Wales
Trial Design	Randomized complete block with 2 replications, 20 plants per datum plot.
Measurements	According to TG/13/11.
RHS Chart - edition	Edition 6

Origin and Breeding

Controlled pollination: Observations were first made in 2015 at Torre-Pacheco Spain. Other observations were carried out in New Zealand. During the first three cycles of selection the focus was on head size, head protection by outer leaves, Bremia lactucae resistance using Molecular Marker Assisted Selection and cold tolerance. The next two cycles of selection were focused on lower leaf quality, head shape and head yield. The last two cycles of selection focused on uniformity and stability of the variety. Breeder: Enrique Ramos Drake, Syngenta Crop Protection AG, Basel, Switzerland 4058.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Seed	colour	white
Leaf	anthocyanin coloration	absent
Time of	beginning of bolting	very late
Time of	beginning of bolting	very late
Resistance to:	Bremia lactucae	Not Observed

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Ice Lindo'	Similar to the candidate in the above 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	'LICS20-0033'	'Ice Lindo'
☐ Seed: colour	white	
☒ Plant: diameter	very large	large to very large
☐ Plant: degree of overlapping of upper part of leaves	strong	strong
☐ Leaf: attitude	semi-erect to horizontal	horizontal
☐ Leaf: number of divisions	absent or very few	absent or very few
☒ Leaf: shape	obovate	circular
☐ Leaf: shape of apex	rounded	obcordate
☐ Leaf: longitudinal section	concave	concave
☐ Leaf: anthocyanin colouration	absent or very weak	absent or very weak
☐ Leaf: colour	green	green
☐ Leaf: intensity of green colour	dark	dark
☐ Leaf: glossiness of upper side	medium to strong	medium

☐ Leaf: thickness	thick	thick
☐ Leaf: blistering	strong	medium
☒ Leaf: size of blisters	large	medium
☐ Leaf: undulation of margin	weak	weak
☐ Leaf: type of incisions of margin	irregularly dentate	irregularly dentate
☐ Leaf: depth of incisions of margin	shallow	shallow
☐ Leaf: depth of secondary incisions of margin	shallow	shallow
☐ Leaf: density of incisions of margin	sparse	sparse
☐ Leaf: venation	flabellate	flabellate
☒ Head: size	medium	small to medium
☐ Head: shape in longitudinal section	narrow oblate	narrow oblate
☒ Head: density	medium	loose
☒ Upper part of leaves: time of harvest maturity	early	medium
☐ Plant: time of beginning of bolting	very late	very late
☐ Plant: axillary sprouting	absent or weak	absent or weak

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'LICS20-0033'	'Ice Lindo'
☒ Cotyledon: length	small to medium	very small to small
☒ Cotyledon: shape	obovate	spatulate

Statistical Table

Organ/Plant Part: Context	'LICS20-0033'	'Ice Lindo'
☒ Head: diameter (mm)		
Mean	156.00	143.50
Std. Deviation	7.14	8.34
Lsd/sig	4.36	P≤0.01

☒ Plant: diameter (mm)		
Mean	455.60	436.30
Std. Deviation	10.50	11.40
Lsd/sig	6.49	P≤0.01

Prior Applications and Sales:

Country	Year	Status	Name Applied
European Union	2020	Pending	'Ice Hielo'

First sold in Australia on 21 November 2021.

Description: David Gillespie, Ormiston, QLD 4610

Lettuce (*Lactuca sativa)* variety 'LICS20-0033' (left) showing earlier maturity than its comparator 'Ice Lindo'

Details of Application

Application Number	2022/231
Variety Name	'RAADPHLE01'
Genus Species	*Phlebodium aureum*
Common Name	Blue Star Fern
Accepted Date	13-Feb-2023
Applicant	Raadschelders Varens BV, De Kwakel, Netherlands
Agent	Plants Management Australia Pty. Ltd., Dodges Ferry, TAS, Australia
Qualified Person	Jordan Smark

Details of Comparative Trial

Location	Wonga Park, VIC
Descriptor	PBR GEN DES (modified)
Period	April 2023 - September 2023
Conditions	Trial conducted in greenhouse conditions, plants propagated as tissue culture, and transferred to 100mm pots in April 2023. Pots were filled with soilless, peat-based mix. 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

Spontaneous mutation: A mutation was identified in De Kwakel, The Netherlands, growing in a commercial batch of *Phlebodium aureum* in January 2015. The plant was selected and then isolated due to its lobed and crenulated frond margin when compared to its paren. This plant was allowed to further grow for evaluation until October 2015 where two generations were reproduced via tissue culture. These and all subsequent generations have proven to be uniform and stable. Breeder: Kelly Raadschelders, Raadschelders Varens BV, De Kwakel, 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: size	**medium**	

Leaf: type	**simple**
Leaf: lobing (at base)	**present**

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
Common form of *Phlebodium aureum*	common form commercially available in Australia

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

Organ/Plant Part: Context	'RAADPHLE01'	Common form
☐ Plant: size	medium	small to medium
☐ Leaf: leaf type	simple	simple
☐ Leaf: attitude	erect	erect
☐ Leaf: length of blade	medium	medium
☒ Leaf: width of blade	broad	medium
☒ Leaf: length of petiole	long	medium
☐ Leaf: shape of apex	obtuse	acute
☐ Leaf: shape of base	hastate	hastate
☒ Leaf: undulation of the margin	very strong	weak to medium
☐ Leaf: glossiness of upper side	weak	weak
☐ Leaf: presence of variegation	absent	absent

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'RAADPHLE01'	Common form
☐ Leaf: lobing (at base)	present	present
☒ Leaf: degree of lobing (at base)	strong	medium
☒ Leaf: incision of margin (excluding lobing)	present	absent

☒ Leaf: type of incision	incised	absent
☒ Leaf: shape	pinnatipartite	hastate linear
☐ Leaf: colour of upper side (RHS chart)	138 B	137 B
☐ Leaf main vein: colour of upper side (RHS chart)	N187 A	N187 A
☒ Leaf: predominance of secondary veins (underside)	strong to very strong	weak to medium
☐ Leaf: waxiness	strong	strong
☒ Leaf: depth of incision	deep	

Prior Applications and Sales:

Country	Year	Status	Name Applied
Europe	2018	Granted	'RAADPHLE01'
United States	2019	Granted	'RAADPHLE01'
New Zealand	2021	Granted	'RAADPHLE01'
Japan	2020	Applied	'RAADPHLE01'

First sold in the Netherlands in May 2019.

Description: Jordan Smark, Wonga Park, VIC, 3115**.**

Blue Star Fern (*Phlebodium aureum*) variety 'RAADPHLE01' (left) compared against the common form of the species (right)

Details of Application

Application Number	2022/288
Variety Name	'BASS'
Genus Species	*Phaseolus vulgaris*
Common Name	French bean
Accepted Date	31 Jul 2023
Applicant	HM. Clause, Inc. Davis, USA.
Agent	HM. Clause Pacific, Templestowe Lower, VIC.
Qualified Person	Calixto Dilag

Details of Comparative Trial

Location	Templestowe, Vic
Descriptor	French Bean (revised) (*Phaseolus vulgaris*)TG/12/9 Rev.
Period	2023-2024
Conditions	Trial was examined summer 2023/24. Direct sown in raised bed, utilizing fleece mat for weed control and drip system for irrigation. Candidate variety and comparators were treated the same.
Trial Design	Side by side comparison
Measurements	As per Technical Guideline
RHS Chart - edition	

Origin and Breeding

Open pollination: Garden bean cultivar 'HMX0186401' has superior characteristics and was developed from an initial cross that was made in Sun Prairie, Wisconsin, in a greenhouse, in the spring of 2012. In the first year of development, the cross was made between two proprietary lines under stake numbers S25994 (female) and S25995 (male), the F1 generation was harvested in August near Coloma, Wisconsin, in plot H212964, and the F2 selection was made in December in the greenhouse located in Sun Prairie, Wisconsin, in plot S26810. In the second year, the F3 selection was made in August near Coloma, Wisconsin, in plot H306754, and the F4 selection was made in December in the greenhouse located in Sun Prairie, Wisconsin, in plot S36816. In the third year, the F5 selection was made in April, in the greenhouse located in Sun Prairie, Wisconsin, in plot S45003, the F6 generation was harvested in August near Coloma, Wisconsin, in plot H405277. In the fourth year, the F7 generation was bulked in February near Los Mochis, Mexico, in plot M53366. In the fifth year, the F8 generation was bulked in February near Los Mochis, Mexico, in plot M72222. In the sixth year, the F9 generation was bulked by progeny row in February, near Los Mochis, Mexico, in plot M83901-48. The line was subsequently

designated 'HMX0186401' and later received the name 'BASS'. Breeders: Calvin Lietzow, HM. Clause, Inc. Davis, 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 type	dwarf
Flower	colour of standard	white
Seed	number of colours	one

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Flavour Sweet'	

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
Weston	resistance to *X.phaseoli*	susceptible	resistant	

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

Organ/Plant Part: Context	'BASS'	'Flavour Sweet'
☐ Plant: anthocyanin colouration of hypocotyl	absent	absent
☐ Plant: intensity of anthocyanin colouration of hypocotyl	very weak	very weak
☐ *Plant: growth type	dwarf	dwarf
☐ Plant: type (dwarf beans only)	non-trailing	non-trailing
☐ Plant: height (dwarf beans only)	medium	medium
☐ *Leaf: intensity of green colour	medium to dark	medium to dark
☒ Terminal leaflet: size	small	medium

☐ Terminal leaflet: shape	rhombic	rhombic
☐ Terminal leaflet: length of tip	medium	medium
☐ Inflorescences: position (at full flowering) (dwarf beans only)	predominantly in foliage	predominantly in foliage
☐ *Flower: colour of standard	white	white
☐ *Flower: colour of wing	white	white
☐ *Pod: length (excluding beak) (dwarf beans only)	short to medium	short
☐ Pod: width	narrow to medium	medium
☐ Pod: thickness	thin	medium
☒ *Pod: shape in cross section (through seed)	cordate	eight-shaped
☐ Pod: degree of curvature	medium	weak
☐ *Seed: weight	medium	low
☐ Seed: length	medium	short
☐ *Seed: number of colours	one	one

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'BASS'	'Flavour Sweet'
☒ Pod: ventral suture indentation	weak	strong

Prior Applications and Sales:

First sold in USA in April 2022.

Description: Calixto Dilag, HM. Clause Pacific Pty Ltd, Bulleen, VIC.

French bean (*Phaseolus vulgaris*) variety ‘BASS’ with comparator ‘Flavour Sweet’

Details of Application

Application Number	2022/296
Variety Name	'Final 113'
Genus Species	*Prunus avium* L.
Common Name	Sweet Cherry
Synonym	'Sto 3161'
Accepted Date	06-Mar-2023
Applicant	Cerasina GmbH, Kressbronn 88079, Germany
Agent	Eurofins Agroscience Services, VIC 3630
Qualified Person	Leslie Mitchell

Details of Comparative Trial

Overseas Testing Authority	Geves (France)
Overseas Data Reference Number	*4077396*
Location	INRAE Villenave d'Ornon
Descriptor	CPVO-TP/35/2
Period	2018-2022
Conditions	Field grown as per TG/35/2 under simulated commercial conditions
Trial Design	As per TP/35/2
Measurements	As per TP/35/2
RHS Chart - edition	N/A

Origin and Breeding

Controlled pollination: controlled crosses were completed between the cherry varieties 'Spaete von Wedler' (female parent) and 'Sweetheart' (pollen parent) at Kressbronn, Germany. The resultant seeds from this cross were collected and planted for evaluation at the same location. One variety in particular produced large firm and dark coloured fruit which matured very late in the season. This line was coded 'Sto 3161' for further evaluation. In studies conducted at Kressbronn Germany over several years these observations were confirmed and the variety has been developed and renamed 'Final 113" for commercialisation. Throughout this time, it has remained uniform and stable through successive vegetative reproduction cycles. Breeder: Peter Stoppel, Cerasina GmbH, Kressbronn 88079, 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 to very firm
Tree	time to beginning of flowering	medium
Tree	time to beginning of fruit ripening	late to very late

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'13S209'	

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

Organ/Plant Part: Context	'Final 113'	'13S209'
☐ Tree: vigour	medium	
☐ *Tree: habit	upright	
☐ *Tree: branching	weak to medium	
☐ Young shoot: anthocyanin colouration of apex	weak to medium	
☐ Young shoot: pubescence of apex	medium	
☐ *One-year-old shoot: length of internode	normal	
☐ One-year-old shoot: number of lenticels	medium	
☐ One-year-old shoot: thickness	medium	
☐ Leaf blade: length	long	
☐ Leaf blade: width	broad	
☐ *Leaf blade: ratio length/width	small	
☐ Leaf blade: intensity of green colour of upper side	medium	
☐ *Leaf: length of petiole	medium	

☐	Leaf: ratio length of blade/length of petiole	large	
☐	*Leaf: presence of nectaries	present	
☐	Nectaries: colour	dark red	
☐	Flower: diameter	medium	
☐	Flower: shape of petal	medium obovate	
☐	Flower: arrangement of petals	free	
☐	*Fruit: size	large	
☒	*Fruit: shape	oblate	cordate
☐	Fruit: pistil end	depressed	
☐	Fruit: suture	strongly conspicuous	
☐	*Fruit: length of stalk	medium	
☐	Fruit: thickness of stalk	thin to medium	
☐	Fruit: abscission layer between stalk and fruit	absent	
☒	*Fruit: colour of skin	dark red	red
☐	Fruit: size of lenticels on skin	medium	
☐	Fruit: number of lenticels on skin	many	
☐	Fruit: thickness of skin	intermediate	
☐	*Fruit: colour of flesh	dark red	
☐	Fruit: colour of juice	purple	
☐	*Fruit: firmness	firm to very firm	
☐	Fruit: acidity	high	
☐	Fruit: sweetness	high	
☐	Fruit: juiciness	strong to very strong	
☐	*Stone: size	medium	
☐	*Stone: shape in ventral view	medium elliptic	

☐	*Fruit: ratio weight of fruit/weight of stone	very small	
☒	*Time of: beginning of flowering	medium	late
☐	*Time of: beginning of fruit ripening	late to very late	

Prior Applications and Sales:

Country	Year	Status	Name Applied
Germany	2017	granted	'Final 113'
EU	2018	applied	'Final 113'
Canada	2022	applied	'Final 113'

First sold in Germany in Dec 2020.

Description: Leslie Mitchell, VIC 3630

Sweet Cherry (*Prunus avium* L.) variety 'Final 113'

Details of Application

Application Number	2023/028
Variety Name	‘Kanaemaru’
Genus Species	*Camellia sinensis*
Common Name	Japanese Tea
Accepted Date	05-Apr-2023
Applicant	National Agriculture and Food Research Organization, 3-1-1, Kannondai, Tsukuba-shi, Ibaraki, 305-8517, Japan
Agent	IP Solved (ANZ) Pty Ltd, Level 7, 185 O'Riordan Street, Mascot, NSW
Qualified Person	Ian Paananen

Details of Comparative Trial

Overseas Testing Authority	Plant Variety Protection Office, Japan
Overseas Data Reference Number	Registration No. 28987
Location	Shimada-City, Shizuoka, Japan
Descriptor	TG/238/1
Period	2019-2022
Conditions	Evaluations carried out in standard field conditions according to TG/238/1
Trial Design	according to TG/238/1
Measurements	according to TG/238/1
RHS Chart - edition	n/a

Origin and Breeding

Controlled pollination: seed parent 'KNA F183' (Yutakamidori x Sayamakaori) x pollen parent 'Kanaya13go' (AN3 x Kanayamidori) in 1994. The seed parent is characterised by a medium plant growth vigour and low to medium position of style splitting on the flower. The pollen parent is characterised by weak to medium plant growth vigour, late timing of the one and a bud stage on the young shoot and medium position of style splitting on the flower. Selection took place in Shimadashi, Shizuoka, Japan in 2000. Selection criteria: desirable tea quality combined and high yield. Propagation: vegetative cuttings were found to be uniform and stable. Breeders: Akiko Ogino, Atsushi Nesumi, Tetsuji Saba, Junichi Tanaka, Fumiya Taniguchi, Shuya Yamashita, Hiroshi Yorozuya, Akiko Matsunaga, Katsuyuki Yoshida, National Institute for Agricultural and Food Industry Research Organization, Japan.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	type	shrub
Leaf blade	length	short to medium
Flower	diameter	short to medium

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Yabukita'	
'Saemidori'	

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

Organ/Plant Part: Context	'Kanaemaru'	'Saemidori'	'Yabukita'
☐ *Plant: vigour	medium to strong		
☐ *Plant: type	shrub		
☒ *Plant: growth habit	semi upright to spreading		upright to semi upright
☐ Plant: density of branches	medium		
☐ Branch: zigzagging	absent		
☐ *Young shoot: time of beginning of 'one and a bud' stage	medium		
☐ *Young shoot: pubescence of bud	present		
☐ Young shoot: density of pubescence of bud	medium		
☐ Young shoot: anthocyanin coloration at base of petiole	absent		
☐ *Young shoot: length of 'three and a bud'	medium		
☐ *Leaf blade: attitude	outwards		
☐ *Leaf blade: length	short to medium		

☐ *Leaf blade: width	narrow to medium
☐ Leaf blade: shape	narrow elliptic
☐ Leaf blade: intensity of green colour	medium
☐ Leaf blade: shape in cross section	flat
☐ Leaf blade: texture of upper surface	smooth or weakly rugose
☐ Leaf blade: shape of apex	acute
☐ Leaf blade: undulation of margin	medium
☐ Leaf blade: serration of margin	medium
☐ Leaf blade: shape of base	acute
☐ Flower: time of full flowering	medium to late
☐ Flower: length of pedicel	medium
☐ *Flower: pubescence on outer side of sepal	present
☐ *Flower: anthocyanin colouration on outer side of sepal	absent
☐ *Flower: diameter	small to medium
☐ Flower: colour of inner petals	white
☐ *Flower: pubescence of ovary	present
☐ Flower: density of pubescence of ovary	dense
☐ Flower: length of style	medium
☐ Flower: position of style splitting	low to medium
☐ *Flower: position of stigma relative to stamens	same level
☐ Fermentation: ability	weak to medium
☐ Caffeine: content	medium

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Kanaemaru'	'Saemidori'	'Yabukita'
☐ Time of: plucking	early to medium		
☐ Young shoot: number of buds at plucking time	medium to many		
☐ Shoot: thickness	medium		
☐ Young shoot: colour of the third leaf at 'three and a bud' stage	light green		
☒ Time of: sprouting (70% of plants show sprouts)	medium	early	

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2021	Applied	'Kanaemaru'
Japan	2019	Granted	'Kanaemaru'
Vietnam	2021	Applied	'Kanaemaru'
USA	2022	Applied	'Kanaemaru'

Prior Sales: nil

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

Japanese Tea (*Camellia sinensis*) variety ‘Kanaemaru’

Details of Application

Application Number	2023/030
Variety Name	'I-15'
Genus Species	*Olea europaea*
Common Name	Olive
Synonym	I 15
Accepted Date	28 Apr 2023
Applicant	Todolivo S.L., C/Ingeniero Torroja y Miret, Parcela 22, Polígono Industrial de La Torrecilla, Córdoba, 14013, Spain
Agent	Foote Intellectual Property Limited, PO Box 30012, Lower Hutt, New Zealand
Qualified Person	Mark Lunghusen

Details of Comparative Trial

Overseas Testing Authority	Spanish Plant Variety Office, Madrid, Spain
Overseas Data Reference Number	CPVO reference: 20181938
Location	University of Cordoba, Spain
Descriptor	UPOV/TG/99/4
Period	2019-2022
Conditions	as per UPOV test Guidelines
Trial Design	as per UPOV test Guidelines
Measurements	as per UPOV test Guidelines
RHS Chart - edition	n/a

Origin and Breeding

Controlled pollination followed by seedling selection: The female parent 'Arbosana' was pollinated with pollen from the male parent 'Koroneiki' and the seed produced were sown, germinated and grown on to a large size. I-15 was selected in April 2010 based on plant habit and oil content. Breeders: Jose María Gómez Porras, Luis Rallo Romero, Diego Barranco Navero, Concepción Muñoz Díez, Carlos Trapero Ramírez and Pedro Valverde Caballero, Cordoba, 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	growth habit	spreading
Fruit	symmetry in position A	weakly asymmetric
Fruit	nipple	absent or weak
Stone	mucron	resent

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Arbosana'	Female parent
'Koroneiki'	Male parent

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

Organ/Plant Part: Context	'I-15'	'Arbosana'	'Koroneiki'
☒ *Tree: vigour	weak		medium
☐ *Tree: growth habit	spreading		spreading
☒ *Tree: canopy density	medium to dense	dense	sparse
☐ *Leaf blade: length	short to medium		short
☒ *Leaf blade: width	medium		narrow
☒ *Leaf blade: ratio length/width	slightly elongated	moderately elongated	moderately elongated
☒ *Leaf blade: curvature of longitudinal axis	straight	recurved	incurved
☐ *Fruit: weight	low to medium	low	low
☐ *Fruit: ratio length/ width in position A	slightly to moderately elongated	slightly elongated	moderately elongated
☒ *Fruit: over colour at full maturity	dark violet	medium violet	black
☐ *Fruit: symmetry in position A	weakly asymmetric		

☒	*Fruit: shape of apex in position A	obtuse	rounded	acute
☐	*Fruit: nipple	absent or weak		
☐	*Fruit: shape of base in position A	truncate	rounded	
☒	*Stone: ratio length/ width	slightly elongated		moderately elongated
☒	*Stone: weight	medium	low	low
☐	*Stone: symmetry in position A	weakly asymmetric		
☐	*Stone: symmetry in position B	symmetric		
☐	*Stone: number of grooves on basal end	between 7 and 10		
☐	*Stone: distribution of grooves on basal end	evenly distributed		
☒	*Stone: shape of apex in position A	obtuse	rounded	acute
☐	*Stone: mucron	present		
☒	*Stone: shape of base in position A	rounded		acute
☒	*Stone: rugosity of surface	medium	weak	weak

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2018	Granted	'I 15'
Georgia	2020	Granted	'I-15'
Spain	2018	Granted	'I 15'
USA	2019	Granted	'I-15'

First sold in Sapin in March 2020

Description: Mark Lunghusen, Australian Horticultural Services Pty Ltd, Wonga Park, VIC

Olive (*Olea europaea*) variety ‘I-15’

Details of Application

Application Number	2023/033
Variety Name	'ICESTEM'
Genus Species	*Brassica oleracea L. convar. Botrytis (L) Alef. Var. botrytis*
Common Name	Cauliflower
Accepted Date	24-Mar-2023
Applicant	Syngenta Crop Protection AG, Basel, Switzerland 4058
Agent	Syngenta Australia Pty. Ltd., Macquarie Park, NSW 2113
Qualified Person	David Gillespie

Details of Comparative Trial

Overseas Testing Authority	KBL 1095
Overseas Data Reference Number	SGL2865
Location	Naktuinbouw, ROELOFARENDSVEEN, Netherlands
Descriptor	TP/45/2 Rev. d.d. 01-01-2018, adapted to TG/45/7
Period	2020
Conditions	Not available.
Trial Design	Not available.
Measurements	As per TP/45/2
RHS Chart - edition	Not available.

Origin and Breeding

Controlled pollination: The female parent was bred through several cycles of backcrosses with the maintainer after Cytoplasmic Male Sterility was introduced by a donor cytoplasm. The male parent was developed after several cycles of selection and self-pollination until the line was stable and uniform. The selection criteria were number of harvestable side-shoots, curd quality (shape, size and colour), yield of side-shoots, plant habit and good adaptability in different environments. This candidate produces totally edible stems, curds and leaves so there is less waste compared to traditional cauliflowers. The candidate is sold as a hybrid variety. Breeder: Syngenta Crop Protection AG, Basel, Switzerland 4058

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	whitish
Curd	texture	medium
Flower	colour	yellow
Plant	summer planting	early
	male sterility	total

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Lecanu'	Similar to the candidate in the above 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	'ICESTEM'	'Lecanu'
☐ *Seedling: anthocyanin coloration of hypocotyl	present	
☐ Plant: height (at time of harvest)	medium	
☐ Stem: length (up to insertion of first leaf)	short	
☐ *Leaf: attitude	erect to semi-erect	
☐ *Leaf: length	long	
☐ *Leaf: width	medium to broad	
☐ *Leaf: ratio width/length	medium	
☐ Leaf: lobing	absent	
☐ Leaf: colour (with wax if present)	blue green	
☐ *Leaf: intensity of colour (with wax if present)	dark	
☐ Leaf: twisting of tip	absent or very weak	
☐ Leaf: shape in cross-section	flat	
☐ Leaf: blistering	weak	

☐ Leaf: crimping near main vein	very weak to weak	
☐ Leaf: undulation of margin	very weak to weak	
☐ *Curd: covering by inner leaves	partly covered	
☐ *Curd: height	medium	
☐ *Curd: diameter	medium	
☐ *Curd: shape in longitudinal section	circular	
☐ *Curd (ex. varieties with curd shape: triangular): doming	very weak	
☐ *Curd: colour	whitish	
☐ Curd: knobbing	medium	
☐ Curd: texture	medium	
☐ Curd: anthocyanin colouration after harvest maturity	present	
☐ *Flower: colour	yellow	
☒ *Earliness in summer planting	early autumn type	medium autumn type
☒ *Male: sterility	total	absent

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'ICESTEM'	'Lecanu'
☒ Curd: multi-head	present	absent

Prior Applications and Sales:

Country	Year	Status	Name Applied
European Union	2021	Granted	'ICESTEM'
Netherlands	2021	Granted	'ICESTEM'
United Kingdom	2021	Submitted	'ICESTEM'
South Africa	2022	Submitted	'ICESTEM'

First sold in United Kingdom on 10 March 2021.

Description: David Gillespie, Ormiston, QLD 4610

Cauliflower (*Brassica oleracea L. convar. Botrytis (L) Alef. Var. botrytis)* 'ICESTEM' showing the characteristic of multi-stem

Details of Application

Application Number	2023/059
Variety Name	'El Madison'
Genus Species	*Spinacia oleracea*
Common Name	Spinach
Accepted Date	04-May-2023
Applicant	SYNGENTA CROP PROTECTION AG, Basel, Switzerland
Agent	Syngenta Australia Pty.Ltd., Macquarie Park, NSW
Qualified Person	David Gillespie

Details of Comparative Trial

Overseas Testing Authority	SPN916
Overseas Data Reference Number	LSPH17-0003
Location	Naktuinbouw, ROELOFARENDSVEEN, Netherlands
Descriptor	TP/55/5 Rev.3 d.d. 06-03-2020 Netherlands, adapted to UPOV TG 55/7
Period	2021-2022
Conditions	As per test report
Trial Design	As per test report
Measurements	As per test report
RHS Chart - edition	Not known

Origin and Breeding

Controlled pollination: Syngenta breeding lines were crossed in 2017. The line was designated ISPH1170003 in initial testing and then named El Madison. The main criteria for selection were downy mildew resistance. The hybrid named El Madison was assessed in Spain and subsequently in the US and the Netherlands during 2018. EL Madison had good agronomic features. Breeder: Syngenta Crop Protection Ag., Basel, Switzerland

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	coloration of stem, petioles and veins	absent

Leaf blade	blistering	strong
plant	proportion of monecious plants	high to very high
Plant	proportion of female plants	very low to low
Plant	proportion of male plants	absent or very low
Plant	resistance to Fysio Pfs:10	present

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'El Olah' (known as 'El Halo' overseas)	

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

Organ/Plant Part: Context	'El Madison'	'El Olah'
☐ Seedling: length of cotyledon	medium	
☐ Plant: red coloration of stem, petioles	absent	
☒ *Leaf blade: intensity of green colour	dark	medium to dark
☐ *Leaf blade: blistering	strong	
☐ *Leaf blade: lobing	weak	
☐ *Petiole: attitude	semi-erect to horizontal	
☐ Petiole: length	short to medium	
☐ *Leaf blade: attitude	horizontal to semi-pendulous	
☐ *Leaf blade: shape (excluding basal lobes)	medium ovate	
☐ Leaf blade: curving of margin	recurved	
☐ *Leaf blade: shape of apex	obtuse	

☐ *Leaf blade: shape in longitudinal section	convex	
☐ *Proportion of: monoecious plants	high to very high	
☐ *Proportion of: female plants	very low to low	
☐ *Proportion of: male plants	absent or very low	
☒ *Time of: start of bolting (for spring sown crops, 15% of plants)	late	medium to late
☐ Seed: spines (harvested seed)	absent	
☐ Resistance to: *Peronospora farinosa* f. sp. spinaciae Race Pfs: 1	present	
☐ Resistance to: *Peronospora farinosa* f. sp. spinaciae Race Pfs: 2	present	
☐ Resistance to: *Peronospora farinosa* f. sp. spinaciae Race Pfs: 3	present	
☐ Resistance to: *Peronospora farinosa* f. sp. spinaciae Race Pfs: 4	present	
☐ Resistance to: *Peronospora farinosa* f. sp. spinaciae Race Pfs: 5	present	
☐ Resistance to: *Peronospora farinosa* f. sp. spinaciae Race Pfs: 6	present	
☐ Resistance to: *Peronospora farinosa* f. sp. spinaciae Race Pfs: 7	present	
☐ Resistance to: *Peronospora farinosa* f. sp. spinaciae Race Pfs: 8	absent	
☐ Resistance to: *Peronospora farinosa* f. sp. spinaciae Race Pfs: 10	present	
☐ Resistance to: *Peronospora farinosa* f. sp. spinaciae Race Pfs: 11	present	

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	**'El Madison'**	**'El Olah'**
☐ Resistance to: *Peronospora farinosa* f. sp. spinaciae Race Pfs: 12	present	

☐ plant: red coloration of stem, petioles and veins	absent
☐ Resistance to: *Peronospora farinosa* f. sp. spinaciae Race Pfs: 13	present
☐ Resistance to: *Peronospora farinosa* f. sp. spinaciae Race Pfs: 14	present
☐ Resistance to: *Peronospora farinosa* f. sp. spinaciae Race Pfs: 15	present
☐ resistance to : *Peronospora farinosa* f. sp. spinaciae Race Pfs: 16	present
☐ resistance to: *Peronospora farinosa* f. sp. spinaciae Race Pfs: 17	present

Prior Applications and Sales:

Country	Year	Status	Name Applied
NL	2023	Granted	'El Madison'
EU	2023	Granted	'El Madison'
UK	2023	Granted	'El Madison'
NZ	2023	Granted	'El Madison'

First sold in Germany on 09th Sep 2021 as 'El Madison'

Description: **David Gillespie**, QLD

Spinacia oleracea (Spinach) variety ‘El Madison’

Details of Application

Application Number	2023/104
Variety Name	'Sundancer'
Genus Species	*Triticum aestivum*
Common Name	Wheat
Accepted Date	22-Jun-2023
Applicant	Australian Grain Technologies Pty Ltd, Roseworthy SA
Qualified Person	Andrew Cecil

Details of Comparative Trial

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

RHS Chart - edition

Origin and Breeding

Controlled pollination: The cross was made at Plant Breeding Institute (PBI), Narrabri in 2015 resulting in a population coded N15:063. The population was selfed from F1 to F4 generations and grown in AGT summer nurseries, DAFFQ root lesion nematode nursery at Formartin and the field at PBI, Narrabri, with selection for plant type, maturity, root lesion nematode (P. thornei) tolerance and rust resistances. In 2017, subsamples of single plants were genotyped, these lines were selected for grain yield, multiple disease resistances and milling quality based on GS predictions. Surviving lines then entered AGT's agronomic, disease and quality testing network across: New South Wales, Queensland, Victoria, South Australia and Western Australia. In 2020 a selection was identified which became SUN1161A, in 2022 SUN1161A entered the National Variety Trials (NVT) across Queensland and New South Wales. Seed purification began in 2021 and this seed was used as the source for commercial seed multiplication. Breeder: Dr Meiqin Lu and Mr Thomas Kapcejevs, Australian Grain Technologies, Roseworthy, SA.

Choice of Comparators

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Seed	colour	white
Plant	growth habit	erect to semi erect
Ear	density	lax to medium
Ear	awns	present
Ear	colour	white
Season	type	spring
Ear	time of emergence	medium to late

Most Similar Varieties of Common Knowledge identified (VCK)

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

Varieties of Common Knowledge identified above and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Rockstar'	Plant Susceptibility to Stripe Rust	Moderately Resistant	Susceptible	
'Coota'	Plant Susceptibility to Stripe Rust	Moderately Resistant	Susceptible	
'LRPB Raider'	Seed LMW subunit GluB3	b	h	
'Coota'	Seed LMW subunit GluB1	al	b	

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

Organ/Plant Part: Context	'Sundancer'	'Coolah'	'LRPB Lancer'	'Sunflex'
☐ Seed: colour	white	white	white	white
☐ Plant: growth habit	semi erect	semi erect	semi erect	semi erect to intermediate
☐ Plant: frequency of plants with recurved flag leaves	medium to high	medium	medium to high	medium to high
☐ Flag Leaf: anthocyanin colouration of auricles	absent or weak	absent or weak	absent or weak	absent or weak
☐ Flag Leaf: glaucosity of sheath	weak to medium	weak	weak to medium	weak to medium
☐ Flag Leaf: glaucosity of blade	absent or very weak	absent or very weak to weak	absent or very weak	absent or very weak
☐ Ear: glaucosity	absent or very weak to weak	absent or very weak to weak	absent or very weak	absent or very weak to weak
☐ Culm: glaucosity of neck	weak to medium	weak	weak to medium	weak to medium
☐ Straw: pith in cross section	thin	thin	thin	thin
☐ Ear: density	medium	lax to medium	medium	medium

☐ Ear: scurs or awns	awns present	awns present	awns present	awns present
☐ Ear: length of scurs or awns	long	medium to long	long	medium
☐ Ear: colour	white	white	white	white
☐ Ear: shape in profile	tapering	tapering	tapering	tapering
☐ Apical rachis segment: area of hairiness on convex surface	absent or very small	absent or very small	absent or very small	absent or very small
☒ Lower glume: shoulder width	narrow to medium	narrow	absent or very narrow to narrow	narrow to medium
☒ Lower glume: shoulder shape	slightly elevated	horizontal	strongly sloping	slightly elevated to strongly elevated
☐ Lower glume: length of beak	medium to long	medium	long to very long	long
☐ Lower glume: shape of beak	straight	straight to slightly curved	straight to slightly curved	straight
☐ Lower glume: area of hairiness on internal surface	very small	very small	very small	very small
☐ Plant: seasonal type	spring type	spring type	spring type	spring type

Statistical Table

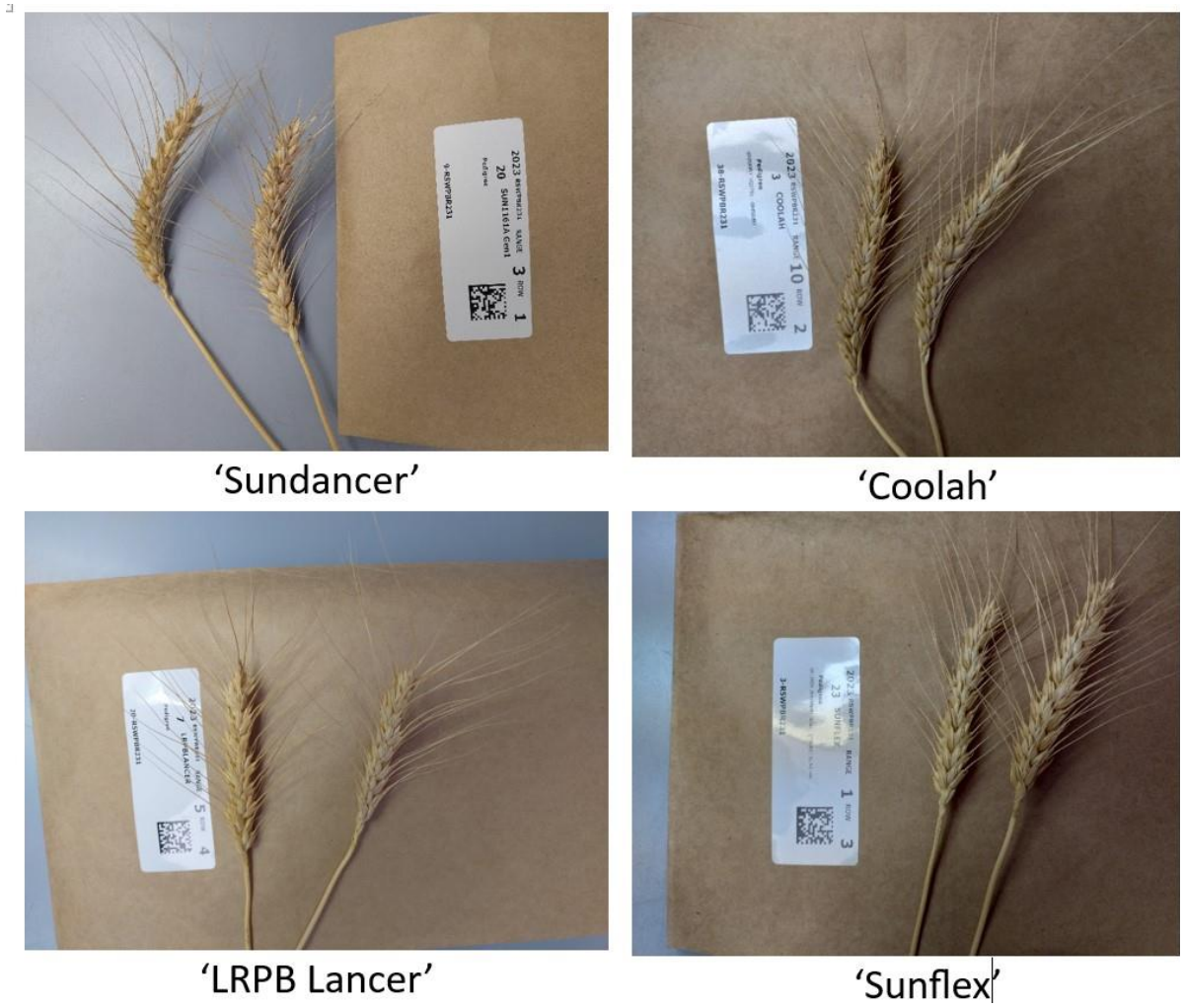
Organ/Plant Part: Context	'Sundancer'	'Coolah'	'LRPB Lancer'	'Sunflex'
☐ Ear: Time of emergence (Julian days)				
Mean	247.60	250.00	249.00	252.80
Std. Deviation	0.90	2.16	1.80	1.50
Lsd/sig	2.07	P≤0.01	ns	P ≤0.01
☐ Plant: Length (cm)				
Mean	91.10	96.00	80.33	79.33
Std. Deviation	2.60	1.73	0.58	2.51
Lsd/sig	3.25	P ≤0.01	P ≤0.01	P ≤0.01
☐ Ear: Length (mm)				

Mean	111.10	106.55	97.70	106.55
Std. Deviation	3.88	3.75	0.84	1.06
Lsd/sig	6.59	ns	P ≤0.01	ns

Prior Applications and Sales:

No prior sale or applications.

Description: **Andrew Cecil**, Roseworthy, SA



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

Details of Application

Application Number	2023/171
Variety Name	'Bondi'
Genus Species	*Triticum aestivum*
Common Name	Wheat
Accepted Date	06-Sep-2023
Applicant	The University of Sydney, Cobbitty, NSW 2570 Australia
Agent	Spruson & Ferguson, Melbourne, VIC 3000
Qualified Person	Annette Tredrea

Details of Comparative Trial

Location	NARRABRI, 2390, NSW
Descriptor	WHEAT (Triticum aestivum), TG/3/12 Rev. (2017 + 2022)
Period	May to December 2023
Conditions	The trial was sown at the University of Sydney, I.A. Watson Plant Breeding Institute, Narrabri, NSW. Seeds were sown into an open field with moist soil conditions. Irrigation was applied throughout the growing season when required to limit moisture stress and to approximate average annual rainfall conditions.
Trial Design	The varieties were sown into 5 row, 4m long x 2m wide field plots, in a 3 replicate, randomised block design.
Measurements	Observations and measurements were made on at least 10 randomly selected plants from each replicate, as required throughout the growing season.
RHS Chart - edition	N/A

Origin and Breeding

Controlled pollination: The line is the result of a 3-way cross made in Mexico in 2005 by Dr Sanjaya Rajaram. The first cross was between SW89.5277/BORL95//SKAUZ (used as the female) and HEILO. The resulting F1 progeny was crossed to PRL/2*PASTOR. The F2 was sown at Toluca in the Mexican highlands and a single plant selected. The F3 seed was sown in Celaya in Mexico and a bulk of 3 spikes taken to produe the F4, sown in Toluca. The F5 was sown in Toluca from a bulk of 5 spikes selected from the F4. A single plant was selected and maintained as a bulk for 2 generations. A bulk of 5 spikes was then selected to form the line. A small sample of seed (20 grains) was then sown in Australian quarantine. The post-quarantine seed was multiplied at the University of Sydney, A.A. Watson Plant Breeding Institute, Narrabri. The harvested seed was then sown in multi-environment trials across

Australia and following purification, the line 24:ZIG_18 identified. Breeder: Sanjaya Rajaram (deceased), Resource Seeds International, of Calle Aldama 100, San Miguel

Chapultepec, C. P. 52240 Edo. de México, México.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Seed	colour	white
Ear	scurs or awns	awns present
Lower glume	hairiness on external surface	absent
Ear	colour	white
Plant	seasonal type	spring type

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Suntop'	Common variety grown in Northern NSW, bred by Australian Grain Technologies. White seeded, awned, mid-season, spring type wheat.
'Sunmaster'	Common variety grown in Northern NSW, bred by Australian Grain Technologies. White seeded, awned, mid-season, very high yielding, spring-type wheat.
'Hellfire'	Common variety grown in Northern NSW, bred by Longreach Plant Breeders. White seeded, awned, mid-season spring-type wheat.
'Rebel 65'	New variety applying for plant breeders rights in 2023 by the University of Sydney. White seeded, awned, mid-season, spring-type wheat.

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
'Lancer'	eartime of ear emergence	medium	late	common variety grown in northern NSW, bred by Longreach Plant Breeders
'Raider'	eartime of ear emergence	medium	late	common variety grown in northern NSW, bred by Longreach Plant Breeders

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

Organ/Plant Part: Context	'Bondi'	'Hellfire'	'Rebel 65'	'Sunmaster'	'Suntop'
☐ Seed: colour	white	white	white	white	white
☐ Coleoptile: anthocyanin colouration	absent or very weak	absent or very weak	absent or very weak	absent or very weak	absent or very weak
☐ Flag Leaf: anthocyanin colouration of auricles	absent or weak	absent or weak	absent or weak	absent or weak	absent or weak
☒ Ear: time of emergence	medium	early to medium	medium to late	medium	medium
☒ Flag Leaf: glaucosity of sheath	strong	weak to medium	strong	medium	weak to medium
☒ Flag Leaf: glaucosity of blade	strong	weak to medium	strong	absent or very weak	absent or very weak
☒ Ear: glaucosity	medium	medium	medium	weak	absent or very weak
☒ Culm: glaucosity of neck	strong	weak to medium	strong	medium	weak
☐ Lower glume: hairiness on external surface	absent	absent	absent	absent	absent
☒ Plant: length	medium	short to medium	medium to long	medium	medium
☐ Straw: pith in cross section	thin	thin	thin	thin	thin
☒ Ear: density	medium to dense	medium to dense	medium	very dense	medium
☒ Ear: length	medium	medium	long	short to medium	long
☐ Ear: scurs or awns	awns present	awns present	awns present	awns present	awns present
☒ Ear: length of scurs or awns	medium	short to medium	long to very long	short to medium	medium
☐ Ear: colour	white	white	white	white	white
☐ Ear: shape in profile	parallel sided	parallel sided	parallel sided	parallel sided	tapering

☐ Apical rachis segment: area of hairiness on convex surface	small	absent or very small	small	absent or very small	absent or very small to small
☐ Lower glume: shoulder width	absent or very narrow	absent or very narrow to narrow	absent or very narrow to narrow	absent or very narrow	absent or very narrow to narrow
☐ Lower glume: shoulder shape	strongly sloping to slightly sloping	strongly sloping to slightly sloping	strongly sloping to slightly sloping	strongly sloping	strongly sloping to slightly sloping
☒ Lower glume: length of beak	long to very long	short	long	short	short
☐ Lower glume: shape of beak	moderately curved	straight to slightly curved	straight	straight	straight
☐ Lower glume: area of hairiness on internal surface	very small	very small	very small	very small	very small
☐ Plant: seasonal type	spring type	spring type	spring type	spring type	spring type

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Bondi'	'Hellfire'	'Rebel 65'	'Sunmaster'	'Suntop'
☒ Ear: curvature/bending of the ear	slight bending	moderate bending	strong bending	mostly straight	mostly straight

Statistical Table

Organ/Plant Part: Context	'Bondi'	'Hellfire'	'Rebel 65'	'Sunmaster'	'Suntop'
☒ Plant: length (cm)					
Mean	97.10	86.57	110.24	94.85	102.97
Std. Deviation	4.07	4.10	4.89	3.03	4.37
Lsd/sig	2.61 (ns)	P≤0.01	P≤0.01	ns	P≤0.01
☒ Ear: density **(**ratio spiklets/ear length)					
Mean	1.65	1.70	1.55	1.93	1.53
Std. Deviation	0.09	0.07	0.16	0.09	0.08
Lsd/sig	0.07 (ns)	ns	P≤0.01	P≤0.01	P≤0.01

☒ Ear: length (cm)					
Mean	11.60	11.53	12.98	10.31	13.15
Std. Deviation	0.84	1.05	1.53	0.68	0.93
Lsd/sig	0.69 (ns)	ns	P≤0.01	P≤0.01	P≤0.01
☒ Ear: length of awns (cm)					
Mean	7.18	6.67	8.63	6.52	7.11
Std. Deviation	0.77	0.63	0.92	0.45	0.62
Lsd/sig	0.46 (ns)	P≤0.01	P≤0.01	P≤0.01	ns
☒ Lower glume: length of beak (mm)					
Mean	6.10	2.81	5.32	3.13	3.11
Std. Deviation	2.10	0.48	1.06	0.36	0.55
Lsd/sig	0.12 *	P≤0.01	P≤0.01	P≤0.01	P≤0.01

Prior Applications and Sales: Nil

Description: Annette Tredrea, Narrabri, 2390, NSW

Wheat (*Triticum aestivum)* variety 'Bondi' showing the differences in the lower glume: length of beak with its comparators 'Rebel 65', 'Hellfire', 'Suntop' and 'Sunmaster'.

Details of Application

Application Number	2023/180
Variety Name	'PAL23'
Genus Species	*Avena sativa*
Common Name	Oats
Accepted Date	16- Oct- 2023
Applicant	South Dakota Board of Regents, South Dakota State University, SD 57007, USA
Agent	Palafor Partners Pty Ltd, Mountain Creek, QLD 4557
Qualified Person	Peter Stuart

Details of Comparative Trial

Location	DAF, Hermitage Research Station, Warwick QLD
Descriptor	TG/20
Period	Autumn - Winter 2023. Sown 20/03/2023
Conditions	The trial was sown into a well-prepared seedbed on March 20, 2023. The trial was sown under good soil moisture conditions and had adequate moisture through the entire growing season.
Trial Design	Randomised complete block, four replications, with three rows per plot. Row spacing was 45cm, and plots 5m long.
Measurements	Measurements were taken from 20 plants selected at random from each of the four replications.
RHS Chart - edition	N/A

Origin and Breeding

Controlled pollination: The final cross was made in the greenhouse in Spring 2012. The F1 seed were grown in the greenhouse in Fall 2013. The F2 population was grown in the field in Summer 2014. The F3 bulk was grown in the field in Summer 2015. Individual lines were selected for crown rust resistance in the field and subsequently grown in the greenhouse in Fall 2015. The seedlings were inoculated with prevalent crown rust races and susceptible lines were discarded. A single seed was collected from each remaining lines and grown in the greenhouse in Spring 2016. All seed were harvested from each plant and one of the F5 derived F6 lines was names SD160650 and grown in a small plot at one location in summer 2016. The following year (2017), SD160650 was grown at 4 locations. In 2018, SD160650 was evaluated at 5 locations in replicated trials. Seed of SD160650 were sent to Palafor Partners under a license agreement in November 2018 and introduced via quarantine to Australia for evaluation in Palafor

testing program. Breeder: Dr Melanie Caffe, South Dakota State University (SDSU), SD 57007, USA. SDSU is part of the South Dakota Board of Regent.

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
Glumes	glaucosity	very weak to weak
Primary Grain	glaucosity of lemma	absent
Panicle	attitude of spikelets	pendulous
Grain	colour of lemma	yellow
Grain	husk	present

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Bond'	forage oat variety
'Comet'	forage oat variety with semi erect growth habit
'Drover'	forage oat variety with intermediate growth habit
'Taipan'	forage oat variety

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

Organ/Plant Part: Context	'PAL23'	'Bond'	'Comet'	'Drover'	'Taipan'
☐ Plant: growth habit	semi-erect	erect to semi-erect	semi-erect	intermediate	erect
☐ Lowest leaves: hairiness of sheaths	absent or very weak	very weak to weak	absent or very weak	absent or very weak	absent or very weak
☐ *Leaf blade: hairiness of margins of leaf below flag leaf	absent or very weak	very weak to weak	absent or very weak	absent or very weak	absent or very weak
☐ Plant: frequency of plants with recurved flag leaves	low	very low to low	low	very low to low	low
☐ *Time of: panicle emergence	late	medium to late	medium to late	medium to late	very late
☒ *Stem: hairiness of uppermost node	present	present	present	absent	present

☐ Stem: intensity of hairiness of uppermost node	weak	weak to medium	weak	very weak	very weak
☐ Panicle: orientation of branches	equilateral	sub-unilateral	equilateral	equilateral	equilateral
☐ Panicle: attitude of branches	semi-erect	semi-erect	semi-erect to horizontal	semi-erect	semi-erect
☐ Panicle: attitude of spikelets	pendulous	pendulous	pendulous	pendulous	pendulous
☐ Glumes: glaucosity	absent or very weak	very weak to weak	absent or very weak	very weak to weak	absent or very weak
☐ Glumes: length	short to medium	medium to long	medium to long	medium	medium
☐ *Primary grain: glaucosity of lemma	absent	absent	absent	absent	absent
☐ *Primary grain: intensity of glaucosity of lemma	very weak	very weak	very weak	very weak	very weak
☒ *Plant: length	very long	long	long	long	medium to long
☒ Panicle: length	very long	long	medium	medium	long
☐ *Grain: husk	present	present	present	present	present
☐ Primary grain: tendency to be awned	absent or very weak	weak	weak to medium	weak to medium	very strong
☒ Primary grain: length of lemma	short to medium	short to medium	long	short to medium	medium
☐ *Grain: colour of lemma	yellow	yellow	yellow	yellow	yellow
☐ Primary grain: hairiness of back of lemma	absent	absent	absent	absent	absent
☐ Primary grain: hairiness of base	weak	weak	weak	very weak to weak	weak
☐ Primary grain: length of basal hairs	short	short	short	very short	medium

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'PAL23'	'Bond'	'Comet'	'Drover'	'Taipan'
☒ Panicle: length	long	long	medium	medium	long
☒ Plant: length	long	long	long	long	medium - long
☒ Flag leaf: length	long	short - medium	medium	medium - long	long
☒ Flag leaf: width	wide	medium	narrow	medium	medium

Statistical Table

Organ/Plant Part: Context	'PAL23'	'Bond'	'Comet'	'Drover'	'Taipan'
☒ Plant: height (cm)					
Mean	142.00	120.44	122.15	121.66	115.55
Std. Deviation	1.51	2.78	5.10	5.82	4.48
Lsd/sig	7.06	P ≤ 0.01	P ≤ 0.01	P ≤ 0.01	P ≤ 0.01
☒ Panicle: length (mm)					
Mean	307.65	262.20	223.34	223.41	269.33
Std. Deviation	15.80	9.62	12.62	8.69	12.08
Lsd/sig	16.75	P ≤ 0.01	P ≤ 0.01	P ≤ 0.01	P ≤ 0.01
☒ Flag leaf: length (mm)					
Mean	212.80	123.98	145.74	151.95	178.84
Std. Deviation	28.53	5.04	9.21	14.01	7.96
Lsd/sig	25.88	P<=0.01	P<=0.01	P<=0.01	P<=0.01
☒ Flag leaf: width (mm)					
Mean	23.83	16.89	15.11	19.69	20.25
Std. Deviation	1.73	0.99	1.42	0.82	0.69
Lsd/sig	1.90	P ≤ 0.01	P ≤ 0.01	P ≤ 0.01	P ≤ 0.01

Prior Applications and Sales: Nil

Description: Peter Stuart, QLD 4350

'PAL23' 'Bond' 'Comet' 'Drover' 'Taipan'

Oats (Avena sativa) – candidate variety 'PAL23' and its comparators 'Bond', 'Comet', 'Drover' and 'Taipan' showing differences in panicle length

Details of Application

Application Number	2023/181
Variety Name	'Jackaroo'
Genus Species	*Avena sativa*
Common Name	Oats
Accepted Date	16 - Oct-2023
Applicant	South Dakota Board of Regents, South Dakota State University, SD 57007, USA
Agent	Palafor Partners Pty Ltd, Mountain Creek QLD 4557
Qualified Person	Peter Stuart

Details of Comparative Trial

Location	DAF, Hermitage Research Station, Warwick QLD
Descriptor	TG/20
Period	Autumn - Winter 2023. Sown 20/03/2023
Conditions	The trial was sown into a well-prepared seedbed on March 20, 2023. The trial was sown under good soil moisture conditions and had adequate moisture through the entire growing season.
Trial Design	Randomised complete block, for replications, with three rows per plot. Row spacing was 45cm, and plots 5m long.
Measurements	Measurements were taken from 20 plants selected at random from each of the four replications.
RHS Chart - edition	N/A

Origin and Breeding

Controlled pollination: The cross between SD112018 and MN08252 was made in a greenhouse in Spring 2013. The F1 seed were grown in the greenhouse in Spring 2014. The F2 population was grown in the field in Summer 2014. The F3 bulk was grown in the field in Summer 2015. Individual lines were selected for crown rust resistance in the field and subsequently grown in the greenhouse in Fall 2015. The seedlings were inoculated with prevalent crown rust races and susceptible lines were discarded. A single seed was collected from the remaining lines and grown in the greenhouse in spring 2016. All seed were harvested from each plant and one of the F5 derived F6 was named SD160703 and grown in a small plot at one location in summer 2016. The following year (2017), SD160703 was grown at 4 locations. In 2018, SD160703 was evaluated at 5 locations in replicated trials. Seed of SD160703 were sent to Palafor Partners under a license agreement in October 2017 and introduced via quarantine to

Australia for evaluation in Palafor testing program. Breeder: Dr Melanie Caffe, South Dakota State University (SDSU), SD 57007, USA. SDSU is part of the South Dakota Board of Regent.

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
Glumes	glaucosity	very weak to weak
Primary Grain	glaucosity of lemma	absent
Panicle	attitude of spikelets	pendulous
Grain	colour of lemma	yellow
Grain	husk	present

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Bond'	Forage oat variety
'Comet'	Forage oat variety with semi erect growth habit
'Drover'	Forage oat variety with intermediate growth habit
'Taipan'	Forage oat variety

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

Organ/Plant Part: Context	'PAL22'	'Bond'	'Comet'	'Drover'	'Taipan'
☐ Plant: growth habit	intermediate	erect to semi-erect	semi-erect	intermediate	erect
☐ Lowest leaves: hairiness of sheaths	absent or very weak	absent or very weak	absent or very weak	absent or very weak	absent or very weak
☐ *Leaf blade: hairiness of margins of leaf below flag leaf	absent or very weak	very weak to weak	absent or very weak	absent or very weak	absent or very weak
☐ Plant: frequency of plants with recurved flag leaves	low	very low to low	low	very low to low	low

☒ *Time of: panicle emergence	late	medium to late	medium to late	medium to late	very late
☒ *Stem: hairiness of uppermost node	absent	present	present	absent	present
☒ Stem: intensity of hairiness of uppermost node	very weak	weak to medium	weak	very weak	very weak
☐ Panicle: orientation of branches	equilateral	sub-unilateral	equilateral	equilateral	equilateral
☐ Panicle: attitude of branches	semi-erect	semi-erect	semi-erect to horizontal	semi-erect	semi-erect
☐ Panicle: attitude of spikelets	pendulous	pendulous	pendulous	pendulous	pendulous
☐ Glumes: glaucosity	absent or very weak	absent or very weak	absent or very weak	absent or very weak	absent or very weak
☐ Glumes: length	medium	medium to long	medium to long	medium	medium
☐ *Primary grain: glaucosity of lemma	absent	absent	absent	absent	absent
☐ *Primary grain: intensity of glaucosity of lemma	very weak	very weak	very weak	very weak	very weak
☐ *Plant: length	medium to long	long	long	long	medium to long
☒ Panicle: length	medium	long	medium	medium	long
☐ *Grain: husk	present	present	present	present	present
☒ Primary grain: tendency to be awned	absent or very weak	weak	weak to medium	weak to medium	very strong
☒ Primary grain: length of lemma	short	short to medium	long	short to medium	medium
☐ *Grain: colour of lemma	yellow	yellow	yellow	yellow	yellow

☐ Primary grain: hairiness of back of lemma	absent	absent	absent	absent	absent
☒ Primary grain: hairiness of base	absent or very weak	weak	weak	very weak to weak	weak
☒ Primary grain: length of basal hairs	very short	short	short	very short	medium

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'PAL22'	'Bond'	'Comet'	'Drover'	'Taipan'
☐ Flag leaf: width	wide	medium	narrow	medium	medium
☐ Panicle: length	medium	long	medium	medium	long
☐ Plant: length	medium - long	long	long	long	medium - long
☐ Flag leaf: Length	long	short	medium	medium - long	long

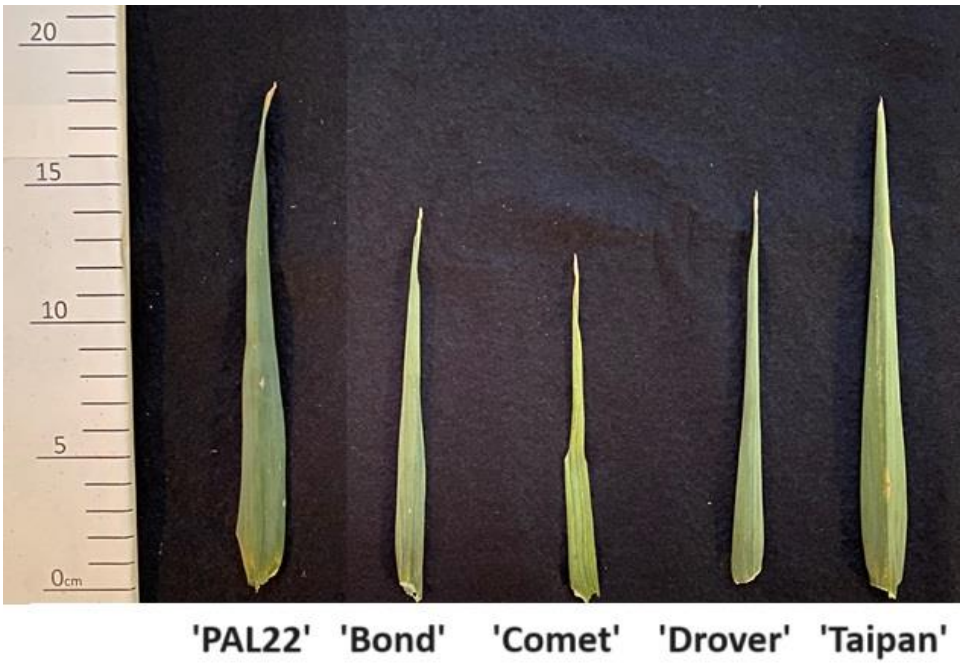
Statistical Table

Organ/Plant Part: Context	'PAL22'	'Bond'	'Comet'	'Drover'	'Taipan'
☒ Flag leaf: width (mm)					
Mean	22.75	16.89	15.11	19.69	20.25
Std. Deviation	1.04	0.99	1.42	0.82	0.69
Lsd/sig	1.90	P ≤ 0.01	P ≤ 0.01	P ≤ 0.01	P ≤ 0.01
☒ Panicle: length (mm)					
Mean	235.79	262.20	223.34	223.41	269.33
Std. Deviation	8.90	9.62	12.62	8.69	12.08
Lsd/sig	16.75	P ≤ 0.01	ns	ns	P ≤ 0.01
☒ Flag leaf: length (mm)					
Mean	194.39	123.98	145.74	151.95	178.84
Std. Deviation	20.31	5.04	9.21	14.01	7.96
Lsd/sig	25.88	P ≤ 0.01	P ≤ 0.01	P ≤ 0.01	ns
☒ Plant: height (cm)					

Mean	114.83	120.44	122.15	121.66	115.55
Std. Deviation	4.33	2.78	5.10	5.82	4.48
Lsd/sig	7.10	ns	P ≤ 0.01	ns	ns

Prior Applications and Sales: Nil

Description: Peter Stuart, QLD 4350



Oats (*Avena sativa*) – candidate variety 'PAL22' and its comparators 'Bond', 'Comet', 'Drover' and 'Taipan' showing differences in flag leaf

Details of Application

Application Number	2023/206
Variety Name	'Rebel 65'
Genus Species	*Triticum aestivum*
Common Name	Wheat
Accepted Date	27-Sep-2023
Applicant	The University of Sydney, Cobbitty, NSW 2570 Australia
Agent	Spruson & Ferguson, Melbourne, VIC 3000
Qualified Person	Annette Tredrea

Details of Comparative Trial

Location	NARRABRI, 2390, NSW
Descriptor	WHEAT (Triticum aestivum), TG/3/12 Rev. (2017 + 2022)
Period	May to December 2023
Conditions	The trial was sown at the University of Sydney I.A. Watson, Plant Breeding Institute, Narrabri, NSW. Seeds were sown into moist soil conditions in an open field. Irrigation was applied throughout the growing season as required to limit moisture stress and to approximate average annual rainfall conditions.
Trial Design	The varieties were sown into 5 row, 4m long x 2m wide field plots, in a 3 replicate, randomised block design
Measurements	Observations and measurements were made on 10 or more randomly selected plants per replicate as required throughout the growing season.
RHS Chart - edition	N/A

Origin and Breeding

Controlled pollination: A cross was at the University of Sydney, Plant Breeding Institute at Cobbitty in 2007 between ISR812.8, a landrace from Michoacan in Mexico and is also known as MICH95.3.1.4. and the variety 'Carinya'. ISR812.8 is tall (non semi-dwarf) and late flowering line that was selected for its high grain fructan concentration. 'Carinya' is a semi-dwarf Janz derivative carrying the VPM source of rust resistance. A total of 205 doubled haploids were subsequently produced from the F1 using the maize/wheat system. The double haploid seed was multiplied at Narrabri in 2009 and evaluated for yield in 2010, 2011 and 2012. Rust resistance (stem, leaf and stripe) was concurrently evaluated at Cobbitty under disease inoculation. Materials with high yield and disease resistance were evaluated for phytate concentration and grain fructans in 2013 and the line PBI07C101-DH65 was identified with lower phytate and higher fructan concentrations. The line was subsequently milled and

assessed to have potential hard quality. Breeder: Richard Trethowan, the University of Sydney, Camperdown, Sydney NSW 2006, Australia.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Seed	colour	white
Lower glume	hairiness on external surface	absent
Ear	scurs or awns	awns present
Ear	colour	white
Plant	seasonal type	spring type

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Suntop'	Common variety grown in northern NSW, bred by Australian Grain Technologies, white seeded, awned, mid-season, spring-type wheat
'Sunmaster'	Common variety grown in northern NSW, bred by Australian Grain Technologies, white seeded, awned, mid-season, spring-type wheat
'Hellfire'	Common variety grown in northern NSW, bred by Longreach Plant Breeders, white seeded, awned, mid-season, spring-type wheat
'Bondi'	New variety applying for plant breeders rights in 2023 by the University of Sydney, white seeded, mid-season, spring-type wheat

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
'Lancer'	plant length	medium/long	short	
'Raider'	plant length	medium/long	short	

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

Organ/Plant Part: Context	'Rebel 65'	'Bondi'	'Hellfire'	'Sunmaster'	'Suntop'
☐ Seed: colour	white	white	white	white	white

☐ Coleoptile: anthocyanin colouration	absent or very weak	absent or very weak	absent or very weak	absent or very weak	absent or very weak
☐ Flag Leaf: anthocyanin colouration of auricles	absent or weak	absent or weak	absent or weak	absent or weak	absent or weak
☒ Ear: time of emergence	medium to late	medium	early to medium	medium	medium
☒ Flag Leaf: glaucosity of sheath	strong	strong	weak to medium	medium	weak to medium
☒ Flag Leaf: glaucosity of blade	strong	strong	weak to medium	absent or very weak	absent or very weak
☒ Ear: glaucosity	medium	medium	medium	weak	absent or very weak
☒ Culm: glaucosity of neck	strong	strong	weak to medium	medium	weak
☐ Lower glume: hairiness on external surface	absent	absent	absent	absent	absent
☒ Plant: length	medium to long	medium	short to medium	medium	medium
☐ Straw: pith in cross section	thin	thin	thin	thin	thin
☒ Ear: density	medium	medium to dense	medium to dense	dense to very dense	medium
☒ Ear: length	long	medium	medium	short to medium	long
☐ Ear: scurs or awns	awns present	awns present	awns present	awns present	awns present
☒ Ear: length of scurs or awns	long	medium	short to medium	short to medium	medium
☐ Ear: colour	white	white	white	white	white
☐ Ear: shape in profile	parallel sided	parallel sided	parallel sided	parallel sided	tapering
☐ Apical rachis segment: area of hairiness on convex surface	small	small	absent or very small	absent or very small	absent or very small

☐ Lower glume: shoulder width	absent or very narrow to narrow	absent or very narrow	absent or very narrow to narrow	absent or very narrow	absent or very narrow to narrow
☐ Lower glume: shoulder shape	strongly sloping to slightly sloping	strongly sloping to slightly sloping	strongly sloping to slightly sloping	strongly sloping	strongly sloping to slightly sloping
☒ Lower glume: length of beak	long	long	short	short	short
☐ Lower glume: shape of beak	straight	moderately curved	straight to slightly curved	straight	straight
☐ Lower glume: area of hairiness on internal surface	very small	very small	very small	very small	very small
☐ Plant: seasonal type	spring type	spring type	spring type	spring type	spring type

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Rebel 65'	'Bondi'	'Hellfire'	'Sunmaster'	'Suntop'
☒ Ear: curvature/bending of the ear	strong bending	slight bending	moderate bending	mostly straight	mostly straight

Statistical Table

Organ/Plant Part: Context	'Rebel 65'	'Bondi'	'Hellfire'	'Sunmaster'	'Suntop'
☒ Plant: length (cm)					
Mean	110.25	97.10	86.57	94.85	102.97
Std. Deviation	4.89	4.07	4.10	3.03	4.37
Lsd/sig	2.61 (ns)	P≤0.01	P≤0.01	P≤0.01	P≤0.01
☒ Ear: density (ratio spiklets/ear length)					
Mean	1.55	1.65	1.70	1.93	1.53
Std. Deviation	0.16	0.09	0.07	0.09	0.08
Lsd/sig	0.07 (ns)	P≤0.01	P≤0.01	P≤0.01	ns
☒ Ear: length (cm)					
Mean	12.98	11.60	11.53	10.31	13.15

Std. Deviation	1.53	0.84	1.05	0.68	0.93
Lsd/sig	0.69 (ns)	P≤0.01	P≤0.01	P≤0.01	ns
☒ Ear: length of awns (cm)					
Mean	8.63	7.18	6.67	6.52	7.11
Std. Deviation	0.92	0.77	0.63	0.45	0.62
Lsd/sig	0.46 *	P≤0.01	P≤0.01	P≤0.01	P≤0.01
☒ Lower glume: length of beak (cm)					
Mean	5.32	6.10	2.81	3.13	3.11
Std. Deviation	1.06	2.10	0.48	0.36	0.55
Lsd/sig	0.12 (ns)	P≤0.01	P≤0.01	P≤0.01	P≤0.01

Prior Applications and Sales: Nil

Description: Annette Tredrea, Narrabri, 2390, NSW

Wheat (*Triticum aestivum)* variety 'Rebel 65' and its comparators 'Bondi', 'Hellfire', 'Suntop' and 'Sunmaster'.

Details of Application

Application Number	2023/237
Variety Name	'MULTIGREEN 161'
Genus Species	*Lactuca sativa*
Common Name	Lettuce
Accepted Date	28-Nov-2023
Applicant	Nunhems B.V., Nunhem, The Netherlands
Agent	Spruson & Ferguson, Darling Park, Sydney
Qualified Person	Ean Blackwell

Details of Comparative Trial

Overseas Testing Authority	Naktuinbouw, NL
Overseas Data Reference Number	SLA4654
Location	Naktuinbouw, ROELOFARENDSVEEN, NL
Descriptor	TP/13/6 Rev. 2 d.d. 14-04-2021
Period	2022-2023
Conditions	As per test report
Trial Design	As per test report
Measurements	As per test report
RHS Chart - edition	

Origin and Breeding

Controlled pollination: After a cross was made between internal breeding line 106624901 and internal breeding line 106645910, a number of F1 plants were self pollinated. From the second until the sixth generation, pedigree selection was performed. From the seventh until the tenth generation, line selection was performed. Variety Nun 09161 LTL was found to be stable and uniform. Breeder: Johan van Zee, Nunhems B.V., Haelen, The Netherlands

Choice of Comparators

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	type	multi-divided type
Culture	type	in the open

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

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Multigreen 60'	

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
'Multigreen 101'				

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 161'	'Multigreen 60'
☐ Seed: colour	black	
☐ Plant: diameter	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	very many	
☐ Leaf: anthocyanin colouration	absent or very weak	
☐ Leaf: colour	green	
☒ Leaf: intensity of green colour	medium to dark	medium
☒ Leaf: glossiness of upper side	weak to medium	very weak to weak
☐ Leaf: thickness	medium	

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

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'MULTIGREEN 161'	'Multigreen 60'
☒ Leaf: density of incisions of margin	medium	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	present
☐ Resistance: Resistance to Nasonovia ribisnigri (Nr) biotype Nr: 0	present
☐ Leaf: depth of incisions of margin	deep

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2021	pending	'MULTIGREEN 161'
Mexico	2023	pending	'MULTIGREEN 161'
The Netherlands	2021	granted	'MULTIGREEN 161'

First sold in US on 22nd Dec 2021 and in Australia on 22nd March 2023 as 'MULTIGREEN 161'

Description: **Ean Blackwell**, Darling Park, Sydney

Lactuca sativa (Lettuce) variety ‘MULTIGREEN 161’

Details of Application

Application Number	2023/238
Variety Name	'HGT1'
Genus Species	*Cannabis sativa*
Common Name	Industrial Hemp
Synonym	HGT-D01L
Accepted Date	11-Jan-2024
Applicant	HempGenTech Pty Ltd, Kenmore East QLD 4069 Australia
Qualified Person	Dr Omid Ansari

Details of Comparative Trial

Location	Gatton, Qld Australia
Descriptor	UPOV TG/276/1
Period	Feb to May 2024
Conditions	The PBR site in Queensland experiences a subtropical climate with warm, humid summers and mild, dry winters. Typical temperatures range from a high of 31°C in January to a moderate 21°C in July. The area receives approximately 760 mm of rainfall annually. The trial site featured well-drained, fertile, and loamy soil, which is ideal for plant growth. Throughout the trial period, supplementary irrigation was provided using solid set irrigation systems as necessary to ensure optimal plant growth.
Trial Design	Randomised Complete Block Design with three replications
Measurements	Observations and measurements were made in accordance with the UPOV Test Guidelines
RHS Chart - edition	RHS, UCL and RGB Colours, gamma = 1.4<

Origin and Breeding

Controlled pollination: The breeding program for this hemp variety is an advanced application of modern breeding, leveraging both traditional methods and proprietary technologies. Controlled pollination and selection within the H54 genetic population, derived from South Asian Germplasm, was a foundational step in this process. We employed our proprietary 'GENE-UP' platform, which stands for Genetic Enhancement through Unified Pyramiding. This approach aims to expedite the breeding cycle by methodically combining desirable traits through the careful selection of half-sib and full-sib families. This strategic process involved clonal propagation of selected families to preserve valuable characteristics. Inter and intra-family hybridisation were executed, essential for integrating multiple traits. To manage genetic outcomes precisely, GENE-UP protocol was followed. Breeder: Dr Omid Ansari, Kenmore East QLD 4069 Australia

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Inflorescence	female flowering time	late flowering
Cannabinoid content	tetrahydrocannabinol	low
Inflorescence	position of male and female flowers on a plant	dioecious
Main stem	thickness	thick

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'MS77'	The comparator variety is characterised by its low THC content and late maturity. Candidate variety and comparator are dioecious, allowing for consistent comparisons in terms of reproductive traits.
'CHY'	This comparator variety is characterised by its low THC content and exhibits earlier maturity than the candidate variety. Both varieties are dioecious, ensuring consistent reproductive trait comparisons.

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
Bundy Gem	inflorescence cannabinoid content	low tetrahydrocannabinol	low tetrahydrocannabinol	availability of seed to include in the PBR trial.
Ruby	inflorescence cannabinoid content	low tetrahydrocannabinol	tetrahydrocannabinol	availability of seed to include in the PBR trial.

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

Organ/Plant Part: Context	'HGT1'	'CHY'	'MS77'
☐ Leaf: intensity of green colour	medium	medium	medium
☐ Leaf: length of petiole	long	long	long

☐ Leaf: anthocyanin colouration of petiole	absent or very weak	absent or very weak	absent or very weak
☐ Leaf: number of leaflets	many	medium	many
☐ Central leaflet: length	very long	short to medium	long to very long
☐ Central leaflet: width	broad	medium	medium to broad
☐ Plant: time of male flowering	very late	medium to late	late to very late
☐ Inflorescence: anthocyanin colouration of male flowers	absent or very weak	absent or very weak	weak
☐ Inflorescence: THC content	absent or very low	absent or very low to medium	absent or very low
☐ Plant: proportion of hermaphrodite plants	low	low to medium	low to medium
☐ Plant: proportion of female plants	medium to high	medium	medium
☐ Plant: proportion of male plants	low to medium	medium	medium
☐ Plant: natural height	very long	medium to long	long to very long
☐ Main stem: colour	medium green	medium green	medium green
☐ Main stem: length of internode	long	medium to long	long to very long
☐ Main stem: thickness	thick	thick	thick
☐ Main stem: depth of grooves	medium	medium	deep
☐ Seed: 1,000 seed weight	high	medium	high
☒ Seed: colour of testa	brown	grey brown	grey brown
☐ Seed: marbling	weak	weak	strong

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	**'HGT1'**	**'CHY'**	**'MS77'**
☐ **I**nflorescence: calyx: leaf	weak	weak	weak

☒ **L**eaf: number of secondary serrations	many	a few	absent
☐ **I**nflorescence: cannabidiol (CBD) content	very low to low	very low to low	very low to low

Statistical Table

Organ/Plant Part: Context	**'HGT1'**	**'CHY'**	**'MS77'**
☒ Leaf: Length of petiole (cm)			
Mean	24.23	13.76	18.91
Std. Deviation	0.23	0.92	0.82
Lsd/sig	1.03	P≤0.01	P≤0.01
☒ Leaf: Number of leaflets			
Mean	14.20	8.40	10.70
Std. Deviation	0.84	0.73	0.69
Lsd/sig	1.38	P≤0.01	P≤0.01
☒ Leaf: Number of secondary serrations			
Mean	8.50	0.40	0.00
Std. Deviation	0.71	0.27	0.00
Lsd/sig	0.73	P≤0.01	P≤0.01
☒ Plant: natural height (cm)			
Mean	305.50	123.00	292.20
Std. Deviation	2.69	2.60	2.70
Lsd/sig	21.49	P≤0.01	P≤0.01

Prior Applications and Sales:

Nill

Description: Dr Omid Ansari, Kenmore East QLD 4069 Australia

Industrial Hemp (*Cannabis sativa)* variety 'HGT1' (left) showing the difference Seed: colour of testa with its comparators 'MS77' (middle) and 'CHY' (right)

Details of Application

Application Number	2023/245
Variety Name	'CINDITA'
Genus Species	*Lactuca sativa*
Common Name	Lettuce
Accepted Date	12-Dec-2023
Applicant	Rijk Zwaan Zaadteelt en Zaadhandel B.V., Burgemeester Crezéelaan 40, DE LIER 2678 KX, NL
Agent	Spruson & Ferguson, NSW 2000
Qualified Person	Ean Blackwell

Details of Comparative Trial

Overseas Testing Authority	Naktuinbouw, NL
Overseas Data Reference Number	SLA4697
Location	Naktuinbouw, ROELOFARENDSVEEN, NL
Descriptor	TP/13/6 Rev. 2 d.d. 14-04-2021
Period	2022
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	

Origin and Breeding

Controlled pollination: Controlled pollination was used to develop the variety: 'Cindita' is a pure line variety, derived from a single cross between Rijk Zwaan proprietary parent A and Rijk Zwaan proprietary parent B, followed by five subsequent cycles of selection and selfing. During the selection process, the best plants were selected due to the desired agronomic characteristics, which were resistance to *Bremia lactucae*, resistance to *Fusarium race Fol:1* and closing of the head. Breeder: Rijk Zwaan Lettuce breeding department, Rijk Zwaan Zaadteelt en Zaadhandel B.V., Burgemeester Crezéelaan 40, DE LIER 2678 KX, NL.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	type of culture	in the open
Plant	type	gem type
Seed	colour	white
Leaf	anthocyanin coloration	absent or very weak
Bolting	time of beginning of bolting	very late
Resistance	*Bremia lactucae* (Bl) isolate Bl: 16EU	present
Resistance	*Bremia lactucae* (Bl) isolate Bl: 29EU	present

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Guayabita'	

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

Organ/Plant Part: Context	'CINDITA'	'Guayabita'
☐ Seed: colour	white	
☐ Plant: diameter	small	
☐ Plant: degree of overlapping of upper part of leaves	medium	
☒ Leaf: attitude	erect	erect to semi-erect
☐ Leaf: number of divisions	absent or very few	
☐ Leaf: shape	obovate	
☐ Leaf: shape of apex	rounded	
☐ Leaf: longitudinal section	concave	
☐ Leaf: anthocyanin colouration	absent or very weak	
☐ Leaf: colour	greyish green	

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

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'CINDITA'	'Guayabita'
☐ Resistance: resistance to *Bremia lactucae* (Bl) isolate Bl: 25EU	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	present	
☒ Head: size	small to medium	small
☐ Resistance: resistance to Bremia lactucae (Bl) isolate Bl: 26EU	present	
☐ Head: shape in longitudinal section	narrow elliptic	
☐ Harvest maturity: time of harvest maturity	late	
☐ Bolting: time of beginning of bolting	very late	
☐ Stem: axillary sprouting	strong	
☐ Bolting stem: fasciation	absent or very weak	

☐ 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	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: 27EU	present

Prior Applications and Sales:

Country	Year	Status	Name Applied
Netherlands	2021	grant	'Cindita'
European Union	2021	grant	'Cindita'
United Kingdom	2022	applied	'Cindita'

First sold in Australia in Nov 2022.

Description: Ean Blackwell, NSW 2000

Lettuce (*Lactuca sativa*) variety 'CINDITA'

Details of Application

Application Number	2023/246
Variety Name	'Wallaroo'
Genus Species	*Triticum aestivum*
Common Name	Wheat
Accepted Date	08-Feb-2024
Applicant	Trigall Australia Pty Ltd, Taminda NSW 2340
Qualified Person	Stephen Moore, Kew, NSW 2439.

Details of Comparative Trial

Location	Trigall Australia Field Research Station Clifton Rd, Breeza NSW 2381
Descriptor	TG/3/12 Wheat
Period	June to November 2023
Conditions	The comparative trial was planted into moisture in a well cultivated bed of deep, uniform vertosol clay, located in bay C6B at Trigall Australia Field Research Station, Breeza NSW. The trial was planted into appropriate soil moisture and cool soil temperatures. Seasonal conditions were above average to Zadoks 30 growth stage followed by very dry and warm conditions during late August and continuing through to October. No incidences of severe frost were recorded during sensitive growth stages. To produce average seasonal conditions the trial had 4 supplemental irrigations. There were no major plant health issues during the season and plant nutrition was managed to local grower conditions. Trial harvest was optimal to plant harvest maturity.
Trial Design	Plots arranged in randomised complete blocks, 6m long & 1.5m wide (5 rows) in 6 replicates
Measurements	Taken from 10 random plants per replicate (minimum of 3 random replicates) from approximately 2,500 plants.
RHS Chart - edition	

Origin and Breeding

Controlled pollination: The cross was completed between an elite Crown Rot tolerant line HW1364-4-10 and SCEPTER in 2016 resulting in a population coded ADV16-152 with the pedigree HW1364-4-10/SCEPTER. Doubled haploids were produced in 2017 from F1 seed. In 2018 seed was increased of the individual lines & individual selections were coded with yield testing commencing in 2020. An elite winter line was identified (ADV16-152-DH-10) and renamed SWW21-0001 being tested in stage 3 in 2021 and then stage 4 and NVT in 2022 and 2023. Over this time, SWW21-0001 was evaluated for

agronomic performance, pre harvest sprouting tolerance, end use quality and disease resistance at nurseries located in WA and NSW. After multiplying pure breeder's seed during 2021 and 2022, SWW21-0001 began foundation seed multiplication in 2023. Breeder: Trigall Australia Pty Ltd, Taminda NSW 2340 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
Flag Leaf	anthocyanin colouration of auricles	absent or very weak
Ear	scurs or awns	awns present
Ear	colour	white
Seasonal type	type	winter

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Illabo'	
'Longsword'	
'Pascal'	
'Scout'	

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
'Pascal'	Seasonal type	winter	spring	
'Scout'	Seasonal type	winter	spring	

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

Organ/Plant Part: Context	'Wallaroo'	'Illabo'	'Longsword'
☐ Seed: colour	white	white	white
☒ *Plant: growth habit	erect to semi erect	intermediate to semi prostrate	semi erect

☐ Plant: frequency of plants with recurved flag leaves	very low to low	very low to low	low
☐ Flag leaf: anthocyanin colouration of auricles	absent or weak	absent or weak	absent or weak
☒ *Flag leaf: glaucosity of sheath	strong to very strong	weak	weak to medium
☒ Flag leaf: glaucosity of blade	strong to very strong	weak to medium	weak
☒ *Ear: glaucosity	strong	very weak to weak	very weak to weak
☒ Culm: glaucosity of neck	strong	weak	weak
☐ *Lower glume: hairiness on external surface	absent	absent	absent
☒ *Straw: pith in cross section	thin	medium	thin
☐ *Ear: density	medium	medium	lax to medium
☐ *Ear: scurs or awns	awns present	awns present	awns present
☒ *Ear: length of scurs or awns	long to very long	medium	medium
☐ *Ear: colour	white	white	white
☒ Ear: shape in profile	parallel sided	tapering	tapering
☐ Apical rachis segment: area of hairiness on convex surface	absent or very small	absent or very small	absent or very small
☐ Lower glume: shoulder width	very narrow to narrow	narrow	narrow
☐ Lower glume: shoulder shape	strongly sloping	slightly sloping	slightly sloping
☒ Lower glume: length of beak	long to very long	medium	medium
☐ *Lower glume: shape of beak	straight to slightly curved	slightly curved	slightly curved
☐ Lower glume: area of hairiness on internal surface	very small	very small	very small

☐ *Seasonal: type	winter type	winter type	winter type

Statistical Table

Organ/Plant Part: Context	**'Wallaroo'**	**'Illabo'**	**'Longsword'**
☒ Time of: Ear Emergence (days)			
Mean	270.00	273.00	265.00
Std. Deviation	0.83	0.58	0.82
Lsd/sig	4.62	ns	P≤0.01
☒ Ear: Length (mm)			
Mean	95.50	89.50	80.25
Std. Deviation	11.33	6.56	4.18
Lsd/sig	8.43	ns	P≤0.01
☒ Plant: length (cm)			
Mean	72.90	66.25	76.15
Std. Deviation	4.24	4.25	2.39
Lsd/sig	2.47	P≤0.01	P≤0.01

Prior Applications and Sales: **Nil**

Description: **Stephen Moore**, Kew, NSW 2439.

Wheat (*Triticum aestivum)* variety 'Wallaroo' showing the differences in plant length and ear length with its comparators 'Illabo' and 'Longsword'.

Details of Application

Application Number	2023/247
Variety Name	'ICE BLUES'
Genus Species	*Lactuca sativa*
Common Name	Lettuce
Synonym	'ICEBLUES'
Accepted Date	13-Dec-2023
Applicant	Syngenta Crop Protection AG, BASEL 4058, Switzerland
Agent	Syngenta Australia Pty. Ltd., NSW 2113, Australia
Qualified Person	David Gillespie

Details of Comparative Trial

Overseas Testing Authority	SLA4715
Overseas Data Reference Number	LICN19-0111
Location	Naktuinbouw, ROELOFARENDSVEEN, Netherlands
Descriptor	TP/13/6 Rev. 2 d.d. 14-04-2021, modified to TG/13/11
Period	2022
Conditions	Not Available
Trial Design	Not Available
Measurements	According to the overseas data
RHS Chart - edition	Not available

Origin and Breeding

Controlled – pollination. Pedigree selection beginning in 2014 at Enkhuizen, Netherlands and continued until the F7 in 2019. Further assessments were carried out in 2019-2021 in Germany and the UK. Criteria for selection included head size, quality of lower leaves, tolerance to bolting, tip-burn and resistance to *Bremia lactucae* and *Nasonovia ribisnigri* biotype NR:0. Off-types were low at 0.5%. Breeder: Syngenta Crop Protection AG, BASEL 4058, Switzerland.

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

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

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

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Lectrice'	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 BLUES'	'Lectrice'
☐ 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	circular	
☐ Leaf: shape of apex	rounded	
☐ Leaf: longditudinal section	flat	
☐ Leaf: anthocyanin colouration	absent or very weak	
☒ Leaf: colour	green	greyish green to green
☐ Leaf: intensity of green colour	medium	
☐ Leaf: glossiness of upper side	weak to medium	

☐	Leaf: thickness	thick	
☐	Leaf: blistering	medium	
☐	Leaf: size of blisters	small	
☐	Leaf: undulation of margin	weak to medium	
☐	Leaf: type of incisions of margin	irregularly dentate	
☒	Leaf: depth of incisions of margin	shallow to medium	shallow
☐	Leaf: depth of secondary incisions of margin	shallow	
☒	Leaf: density of incisions of margin	medium	sparse to medium
☐	Leaf: venation	flabellate	
☐	Head: size	medium to large	
☐	Head: shape in longditudinal section	circular	
☐	Head: density	very dense	
☐	Upper part of leaves: time of harvest maturity	medium to 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	present
Plant: Resistance to *Fusarium oxysporum f.sp. lactucae* (Fol) Race 1	susceptible

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	**'ICE BLUES'**	**'Lectrice'**
Plant: Resistance to *Bremia lactucae* (Bl) Isolate 33	present	
Plant: Resistance to *Bremia lactucae* (Bl) Isolate 35	present	

Prior Applications and Sales:

Country	**Year**	**Status**	**Name Applied**
European Union	**2023**	**granted**	'ICE BLUES'
United Kingdom	**2023**	**applied**	'ICE BLUES'
Netherlands	**2021**	**granted**	'ICE BLUES'

Prior sales: Nil

Description: David Gillespie, QLD 4160

Lettuce (*Lactuca sativa*) variety ‘ICE BLUES’

Details of Application

Application Number	2023/249
Variety Name	'ICE POP'
Genus Species	*Lactuca sativa*
Common Name	Lettuce
Synonym	'ICEPOP'
Accepted Date	15-Dec-2023
Applicant	Syngenta Crop Protection AG, BASEL 4058, Switzerland
Agent	Syngenta Australia Pty. Ltd., NSW 2113, Australia
Qualified Person	David Gillespie

Details of Comparative Trial

Overseas Testing Authority	SLA4337
Overseas Data Reference Number	LICN19-0071
Location	Naktuinbouw, ROELOFARENDSVEEN, Netherlands
Descriptor	TP/13/6 Rev d.d. 15-02-2019, modified to TG/13/11
Period	2020
Conditions	Not available
Trial Design	Not available
Measurements	as per TP/13/6 Rev d.d. 15-02-2019
RHS Chart - edition	N/A

Origin and Breeding

Controlled pollination: Selection began in 2014 at the F1 generation at Enkhuizen, Nethelands. Pedigree selection continued until the F7 generation in 2019. Selection for resistances to *Bremia lactucae* BL:29-39EU and *Nasonovia ribisnigri*. Confirmation of *Bremia lactucae* resistances was confirmed by Molecular Markers. Other selection criteria were tip-burn tolerance, late bolting, quality of basal leaves and selection for improved head size. A further three generations of selection were carried out to fix the line for uniformity and stability. 'Ice Pop' was trialled in the United Kingdom and Germany. Breeder: Syngenta Crop Protection AG, BASEL 4058, Switzerland.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	type	Iceberg
Seed	colour	brown
Leaf	anthocyanin coloration	absent or very weak
Time of	beginning of bolting	very late
Resistance to	*Bremia lactucae* (Bl) isolate Bl: 16EU	present
Resistance to	*Bremia lactucae* (Bl) isolate Bl: 29EU	present

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Ice Jazz'	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	'ICE POP'	'Ice Jazz'
☐ Seed: colour	brown	
☐ 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: longditudinal section	flat	
☐ Leaf: anthocyanin colouration	absent or very weak	
☐ Leaf: colour	green	
☒ Leaf: intensity of green colour	dark	medium to dark

☐ Leaf: glossiness of upper side	medium	
☐ Leaf: thickness	thick	
☐ Leaf: blistering	weak to medium	weak to medium
☐ Leaf: size of blisters	small	
☐ Leaf: undulation of margin	weak to medium	
☐ Leaf: type of incisions of margin	irregularly dentate	
☐ Leaf: depth of incisions of margin	medium	
☐ Leaf: depth of secondary incisions of margin	shallow to medium	
☐ Leaf: density of incisions of margin	sparse to medium	
☐ Leaf: venation	flabellate	
☐ Head: size	medium to large	medium to large
☐ Head: shape in longditudinal section	circular	
☐ Head: density	very dense	
☐ Upper part of leaves: time of harvest maturity	medium to 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	present
☐ Plant: Resistance to *Fusarium oxysporum f.sp. lactucae* (Fol) Race 1	susceptible

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'ICE POP'	'Ice Jazz'
☐ resistance to: *Bremia lactucae* Isolate Bl:33	present	
☐ resistance to: *Bremia lactucae* Isolate Bl:35	present	
☐ Plant: Resistance to *Bremia lactucae* (Bl) Isolate 33	present	
☐ plant: Resistance to *Bremia lactucae* (Bl) Isolate 35	present	

Prior Applications and Sales:

Country	Year	Status	Name Applied
United Kingdom	**2022**	**applied**	'ICE POP'
Netherlands	**2019**	**granted**	'ICE POP'
European Union	**2020**	**granted**	'ICE POP'

First sold in Switzerland in Jan 2021.

Description: David Gillespie, QLD 4610.

'ICE POP'

Lettuce (*Lactuca sativa*) variety 'ICE POP'

Details of Application

Application Number	2023/278
Variety Name	'Mara-4'
Genus Species	*Cannabis sativa*
Common Name	Industrial hemp
Accepted Date	10-Jan-2024
Applicant	Mara Seeds Pty Ltd, Mallanganee NSW Australia 2469
Agent	HempGentech, Kenmore East QLD 4069
Qualified Person	Dr Omid Ansari

Details of Comparative Trial

Location	Gatton, Qld Australia
Descriptor	UPOV TG/276/1
Period	Feb to May 2024
Conditions	The PBR site in Queensland experiences a subtropical climate with warm, humid summers and mild, dry winters. Typical temperatures range from a high of 31°C in January to a moderate 21°C in July. The area receives approximately 760 mm of rainfall annually. The trial site featured well-drained, fertile, and loamy soil, which is ideal for plant growth. Throughout the trial period, supplementary irrigation was provided using solid set irrigation systems as necessary to ensure optimal plant growth.
Trial Design	Randomised Complete Block Design with three replications
Measurements	Observations and measurements were made in accordance with the UPOV Test Guidelines
RHS Chart - edition	RHS, UCL and RGB Colours, gamma = 1.4<

Origin and Breeding

Controlled pollination: In developing the new hemp variety, 'Mara-4', we employed a rigorous breeding approach that began with acquiring a landrace parent line in 2016-17. The process started with detailed phenotypic assessments and selection of progenies, focusing on early maturity, optimal plant architecture, and maintaining low tetrahydrocannabinol (THC) content within legal limits. Our methodology involved structured recurrent selection over successive generations, creating half-sib families for uniform testing. The selection was stringent, focusing only on progenies with superior traits, especially low THC levels, and only elite plants were continued in the breeding program. A key strategy was managing pollination to preserve genetic integrity, achieved by isolating male plants and

strategically separating populations into designated male or female groups. This controlled pollination was essential to maintaining genetic purity and enhancing desired traits. Breeder: Dr Omid Ansari, HempGentech, Kenmore East QLD 4069 and Tim Shapter, Mara Seeds Pty Ltd, Mallanganee NSW Australia 2469 Australia.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Inflorescence	time of female flowering	early flowering
Cannabinoid content	tetrahydrocannabinol	low
Plant	promotion of hermaphrodite plants	absent

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Mara-314'	The flowering time of this comparator variety is similar to that of the candidate variety, and both are dioecious.
'Bundy Gem'	This comparator variety has low THC, similar to the candidate variety, and features an early to mid-season flowering time.
'Ruby'	This comparator variety has low THC, similar to the candidate variety, and features an early to mid-season flowering time.
'ECO-Excalibur'	This comparator variety is low THC and dioecious, similar to the candidate variety.
'Mara-401'	The flowering time of this comparator variety is similar to that of the candidate variety, and both are dioecious.

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
'Bundy Gem'	inflorescence	female flowering	early	mid to late	excluded due to unavailability of seed from the supplier.

'Ruby'	inflorescence	female flowering	early	mid to late	excluded due to unavailability of seed from the supplier.
'ECO-Excalibur'	inflorescence	female flowering	early	very early	the comparator was substantially earlier than the candidate variety.

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

Organ/Plant Part: Context	**'Mara-4'**	**'Mara-314'**	**'Mara-401'**
☒ Leaf: intensity of green colour	medium	dark	dark
☐ Leaf: length of petiole	medium	short	short
☒ Leaf: anthocyanin colouration of petiole	strong	very strong	medium
☐ Leaf: number of leaflets	medium	few	few
☒ Central leaflet: length	short	very short to short	short
☐ Central leaflet: width	narrow	very narrow to narrow	narrow
☐ Plant: time of male flowering	early to medium	very early to early	very early to early
☐ Inflorescence: anthocyanin colouration of male flowers	medium	absent or very weak to weak	weak
☐ Inflorescence: THC content	absent or very low to medium	absent or very low	absent or very low to medium
☐ Plant: proportion of hermaphrodite plants	low	low	low
☐ Plant: proportion of female plants	medium	medium to high	medium to high
☐ Plant: proportion of male plants	medium	low to medium	low to medium
☐ Plant: natural height	short to medium	very short to short	short to medium

☐ Main stem: colour	medium green	purple	medium green
☐ Main stem: length of internode	short to medium	very short	very short to short
☐ Main stem: thickness	medium	thin	thin
☐ Main stem: depth of grooves	medium	shallow	shallow
☐ Seed: 1,000 seed weight	low	very low	low
☒ Seed: colour of testa	medium grey	grey brown	grey brown
☐ Seed: marbling	medium	medium	medium

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Mara-4'	'Mara-314'	'Mara-401'
☐ Leaf: Number of secondary serrations	absent	absent	absent
☒ Inflorescence: Cannabidiol (CBD) content	medium to high	high	high
☒ Inflorescence: Calyx: Leaf	medium	strong	strong

Statistical Table

Organ/Plant Part: Context	'Mara-4'	'Mara-314'	'Mara-401'
☒ Plant: Natural height (cm)			
Mean	105.90	41.50	58.60
Std. Deviation	4.47	1.98	1.08
Lsd/sig	7.25	P≤0.01	P≤0.01
☐ Leaf: Number of leaflets			
Mean	8.00	5.20	7.40
Std. Deviation	0.52	0.00	0.49
Lsd/sig	0.43	P≤0.01	P≤0.01
☒ Leaf: Central leaflet length (cm)			
Mean	2.58	2.78	3.23
Std. Deviation	0.20	0.10	0.28

Lsd/sig	0.46	P≤0.01	P≤0.01

Prior Applications and Sales: Nil

Description: Dr Omid Ansari, Kenmore East QLD 4069

Industrial Hemp (*Cannabis sativa)* variety 'Mara-4' (left) showing the differences in Leaf: intensity of green colour, Leaf: length of petiole, Leaf: anthocyanin colouration of petiole and Central leaflet: length with its comparators 'Mara-401' (middle) and 'Mara-314' (right).

Details of Application

Application Number	2023/279
Variety Name	'Mara-6'
Genus Species	*Cannabis sativa*
Common Name	Industrial hemp
Accepted Date	11-Jan-2024
Applicant	Mara Seeds Pty Ltd, Mallanganee NSW Australia 2469
Agent	HempGentech, Kenmore East QLD 4069
Qualified Person	Dr Omid Ansari

Details of Comparative Trial

Location	Gatton, Qld Australia
Descriptor	UPOV TG/276/1
Period	Feb to May 2024
Conditions	The PBR site in Queensland experiences a subtropical climate with warm, humid summers and mild, dry winters. Typical temperatures range from a high of 31°C in January to a moderate 21°C in July. The area receives approximately 760 mm of rainfall annually. The trial site featured well-drained, fertile, and loamy soil, which is ideal for plant growth. Throughout the trial period, supplementary irrigation was provided using solid set irrigation systems as necessary to ensure optimal plant growth.
Trial Design	Randomised Complete Block Design with three replications
Measurements	Observations and measurements were made in accordance with the UPOV Test Guidelines
RHS Chart - edition	RHS, UCL and RGB Colours, gamma = 1.4<

Origin and Breeding

Controlled pollination: The development of the new hemp variety, 'Mara-6', was guided by a detailed and methodical breeding approach initiated with the acquisition of a unique landrace parent line during the 2016-17 period. Our process involved comprehensive phenotypic evaluations and the selection of offspring, with an emphasis on achieving early maturity, ideal plant architecture, and consistently low tetrahydrocannabinol (THC) levels, in compliance with legal standards. We employed a rigorous recurrent selection method through multiple generations, establishing half-sib families to ensure standardised testing environments. Our selection process was exacting, concentrating on offspring that demonstrated standout traits, particularly in THC levels, with only the top-performing plants progressing in our breeding efforts. A pivotal element of our strategy involved the meticulous management of pollination to safeguard genetic integrity, achieved by isolating male plants and

carefully delineating populations into designated male or female categories. Breeder: Dr Omid Ansari, HempGentech, Kenmore East QLD 4069 and Tim Shapter, Mara Seeds Pty Ltd, Mallanganee NSW Australia 2469 Australia.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Inflorescence	time of female flowering	early flowering
Cannabinoid content	tetrahydrocannabinol	low

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Mara-401'	The flowering time of this comparator variety is similar to that of the candidate variety, and both are dioecious. 410
'Mara-314'	The flowering time of this comparator variety is similar to that of the candidate variety, and both are dioecious.
'Bundy Gem'	This comparator variety has low THC, similar to the candidate variety, and features an early to mid-season flowering time.
'Ruby'	This comparator variety has low THC, similar to the candidate variety, and features an early to mid-season flowering time.
'ECO-Excalibur'	his comparator variety is low THC and dioecious, similar to the candidate variety.

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
'ECO-Excalibur'	Inflorescence	female flowering	early	very early	
'Bundy Gem'	Inflorescence	female flowering	early	mid to late	
'Ruby'	Inflorescence	female flowering	early	mid 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	'Mara-6'	'Mara-314'	'Mara-401'
☐ Leaf: intensity of green colour	medium	dark	dark
☐ Leaf: length of petiole	medium	short	short
☒ Leaf: anthocyanin colouration of petiole	weak	very strong	medium
☐ Leaf: number of leaflets	few	few	few
☒ Central leaflet: length	short to medium	very short to short	short
☐ Central leaflet: width	narrow to medium	very narrow to narrow	narrow
☐ Plant: time of male flowering	early	very early to early	very early to early
☒ Inflorescence: anthocyanin colouration of male flowers	absent or very weak to weak	absent or very weak to weak	weak
☒ Inflorescence: THC content	absent or very low to medium	absent or very low	absent or very low to medium
☐ Plant: proportion of hermaphrodite plants	low	low	low
☐ Plant: proportion of female plants	medium	medium to high	medium to high
☐ Plant: proportion of male plants	medium	low to medium	low to medium
☐ Plant: natural height	medium	very short to short	short to medium
☐ Main stem: colour	medium green	purple	medium green
☐ Main stem: length of internode	short to medium	very short	very short to short
☐ Main stem: thickness	thin	thin	thin
☐ Seed: 1,000 seed weight	low	very low	low
☐ Seed: colour of testa	grey brown	grey brown	grey brown

☐ Seed: marbling	strong	strong	medium

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Mara-6'	'Mara-314'	'Mara-401'
☒ Inflorescence: calyx: leaf	medium	strong	strong
☐ Leaf: number of secondary serrations	absent	absent	absent
☒ Inflorescence: cannabidiol (CBD) content	medium to high	very high	high

Statistical Table

Organ/Plant Part: Context	'Mara-6'	'Mara-314'	'Mara-401'
☒ Leaf: central leaflet length (cm)			
Mean	3.00	2.78	3.23
Std. Deviation	0.35	0.10	0.28
Lsd/sig	0.46	P≤0.01	P≤0.01
☒ Plant: natural height (cm)			
Mean	134.80	41.50	58.60
Std. Deviation	4.64	1.98	1.08
Lsd/sig	9.48	P≤0.01	P≤0.01

Prior Applications and Sales: Nil

Description: Dr Omid Ansari, Kenmore East QLD 4069

Industrial Hemp (*Cannabis sativa)* variety ‘Mara-6’ (left) showing the differences Leaf: anthocyanin colouration of petiole and Central leaflet: length with its comparators ‘Mara-401’ (middle) and ‘Mara-314’ (right).

Details of Application

Application Number	2024/047
Variety Name	'COCONINO'
Genus Species	*Lactuca sativa*
Common Name	Lettuce
Accepted Date	14-Mar-2024
Applicant	Rijk Zwaan Zaadteelt en Zaadhandel B.V., Burgemeester Crezéelaan 40, DE LIER, 2678KX, 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	SLA4689
Location	Naktuinbouw, ROELOFARENDSVEEN, The Netherlands
Descriptor	UPOV/TG/13/10
Period	2022
Conditions	as according UPOV test guidelines
Trial Design	as according UPOV test guidelines
Measurements	as according UPOV test guidelines
RHS Chart - edition	n/a

Origin and Breeding

Controlled pollination: Coconino is a pure line variety, derived from a single cross between internal Rijk Zwaan proprietary breeding line 106653 and internal Rijk Zwaan proprietary breeding line 126928, followed by five subsequent cycles of selection and selfing. During the selection process, the best plants were selected due to the desired agronomic characteristics, which were resistance to *Bremia lactucae* and delayed wound induced discoloration of the leaves (KNOX-trait). Breeder's: Rijk Zwaan Zaadteelt en Zaadhandel B.V., The Netherlands.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	type	gem lettuce
Culture	type	in glasshouse and in the open
Seed	colour	black
Leaf	anthocyanin coloration	very Strong
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
'Waterton'	

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

Organ/Plant Part: Context	'COCONINO'	'Waterton'
☐ Seed: colour	black	
☐ Plant: diameter	very small to small	
☐ Plant: degree of overlapping of upper part of leaves	absent or weak	
☐ Plant: number of leaves	many	
☐ Leaf: attitude	erect to semi-erect	
☐ Leaf: number of divisions	absent or very few	
☐ Leaf: shape	broad elliptic	
☐ Leaf: shape of apex	rounded	
☐ Leaf: longitudinal section	flat	
☐ Leaf: anthocyanin colouration	very strong	

☒ Leaf: hue of anthocyanin colouration	reddish	purplish to reddish
☐ Leaf: area covered by anthocyanin colouration	large	
☐ Leaf: glossiness of upper side	medium	
☐ Leaf: thickness	medium	
☒ Leaf: blistering	medium to strong	very weak to weak
☐ Leaf: size of blisters	very small to small	
☐ Leaf: undulation of margin	absent or very weak	

Organ/Plant Part: Context	**'COCONINO'**	**'Waterton'**
☐ 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	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	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	present

Prior Applications and Sales:

Country	Year	Status	Name Applied
EU	2021	Granted	'COCONINO'
The Netherlands	2021	Applied	'COCONINO'
United Kingdom	2022	Applied	'COCONINO'

First sold in Australia in February 2023 and in the USA in March 2023

Description: Ean Blackwell, GPO Box 3898, Sydney, NSW.

COCONINO

Lettuce (*Lactuca sativa*) variety 'COCONINO'

Details of Application

Application Number	2024/048
Variety Name	'MAYAN510'
Genus Species	*Cucumis melo*
Common Name	Melon
Accepted Date	21 Feb 2024
Applicant	Nunhems Netherlands B.V. Nunhem, The Netherlands.
Agent	Spruson & Ferguson, Sydney, NSW.
Qualified Person	John Oates

Details of Comparative Trial

Location	Red Cliffs Victoria, Australia
Descriptor	Melon (*Cucumis melo*) TG/104/5 rev. 2
Period	December 2023 - March 2024
Conditions	Trial grown in red loam with drip irrigation as required. Temperatures were high up to 45oC.
Trial Design	Commercial spacing 20 plants per variety.
Measurements	As per UPOV Technical Guidelines.
RHS Chart - edition	N/A

Origin and Breeding

Controlled pollination: Both the female parent and the male parent were developed to homozygosity using pedigree line development. The homozygous Elite lines were crossed to produce the hybrid 'Mayan510'. selection characters: plant vigour; fruit characters; yield. Breeder: Kaori Ando, 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
Inflorescence	sex expression	andromonoecious
Fruit	ground colour of skin	white
Fruit	warts	absent

Fruit	grooves	absent
Fruit	cork formation	absent
Fruit	main colour of flesh	white

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Dino'	

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 Dew'	Fruit	main colour of flesh	white green		
'Crispy Pear'	Fruit	ground colour of skin	white yellow		

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

Organ/Plant Part: Context	'MAYAN510'	'Dino'
☒ Leaf blade: size	medium to large	small to medium
☐ Leaf blade: intensity of green colour	medium to dark	light to medium
☐ Leaf blade: development of lobes	medium	medium
☐ Leaf blade: length of terminal lobe	medium	medium
☐ Leaf blade: dentation of margin	very weak to weak	very weak to weak
☒ Leaf blade: blistering	medium	weak
☐ Petiole: attitude	erect to semi-erect	erect to semi-erect
☐ Petiole: length	medium to long	medium to long
☐ *Inflorescence: sex expression	andromonoecious	andromonoecious
☐ Young fruit: hue of green colour of skin	green	green

☐ *Young fruit: intensity of green colour of skin	light to medium	medium
☐ Young fruit: density of dots	absent or very sparse	absent or very sparse
☐ Young fruit: conspicuousness of groove colouring	absent or very weak	absent or very weak
☐ Young fruit: length of peduncle	very short	very short
☒ Young fruit: thickness of peduncle 1 cm from fruit	medium	thin
☐ Young fruit: extension of darker area around peduncle	absent or very small	absent or very small
☐ Fruit: change of skin colour from young fruit to maturity	early in fruit development	very late in fruit development or no change
☒ *Fruit: length	medium to long	short to medium
☒ *Fruit: diameter	narrow to medium	medium to broad
☒ *Fruit: ratio length/diameter	large	medium
☐ *Fruit: position of maximum diameter	at middle	at middle
☐ *Fruit: ground colour of skin	white	white
☐ Fruit: intensity of ground colour of skin	medium	medium
☐ Fruit: hue of ground colour of skin	yellowish	yellowish
☐ *Fruit: density of patches	sparse to medium	medium
☐ *Fruit: warts	absent	absent
☐ *Fruit: strength of attachment of peduncle at maturity	strong	strong
☐ *Fruit: shape of base	rounded	truncate
☐ *Fruit: shape of apex	rounded	rounded
☐ *Fruit: size of pistil scar	medium	medium
☐ *Fruit: grooves	absent or very weakly expressed	weakly express

☐ *Fruit: creasing of surface	absent or very weak	absent or very weak
☐ *Fruit: cork formation	absent	absent
☐ Fruit: rate of change of skin colour from maturity to over maturity	very slow to slow	medium
☐ Fruit: width of flesh in longitudinal section	medium to thick	medium to thick
☐ *Fruit: main color of flesh	white	white
☐ 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	medium to firm	medium to firm
☐ Seed: shape	not pine-nut shape	not pine-nut shape
☐ Time of: ripening	early to medium	early to medium
☐ *Shelf life of: fruit	long	long

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'MAYAN510'	'Dino'
☒ Fruit: shape on longitudinal section	elliptic	oblate
☒ Fruit: size of patches	small to medium	small to large

Prior Applications and Sales:

Country	Year	Status	Name Applied
RU	2022	Pending	'MAYAN510'

First sold in Honduras in Nov 2022.

Description: John Oates, PO Box 456 Merimbula, 2548 NSW

Melon (*Cucumis melo*) variety 'MAYAN510'

Details of Application

Application Number	2024/068
Variety Name	'KILAPRINCE'
Genus Species	*Brassica oleracea* L. *convar. capitata* (L.) Alef. *var. alba* DC.
Common Name	White Cabbage
Accepted Date	23-Apr-2024
Applicant	Syngenta Crop Protection AG, Basel, Switzerland 4058
Agent	Syngenta Australia Pty. Ltd., Macquarie Park, NSW 2113
Qualified Person	David Gillespie

Details of Comparative Trial

Overseas Testing Authority	KWI801
Overseas Data Reference Number	SGW0558
Location	Naktuinbouw, ROELOFARENDSVEEN, Netherlands
Descriptor	TP/48/3 Rev. d.d. 15-03-2017 modified to TG/48/7
Period	2021
Conditions	Not available.
Trial Design	Not available.
Measurements	As per TP/48/3 Rev. d.d. 15-03-201
RHS Chart - edition	Not available.

Origin and Breeding

Controlled pollination: Observations of the hybrid were first made in 2017 at Zeewolde Netherlands. Further work was conducted in Germany, Poland and Hungary. Selection criteria were yield, field standability, Clubroot (Plasmodiophora brassicae) resistance. Ramco was chosen to introgress Clubroot resistance. Backcrossing and three generations of self pollination were required to produce the male line. The presence of Clubroot resistance was monitored by Molecular Marker Assisted Selection throughout all generations. Test crosses were made with elite CMS female parents and the new male parent. Large scale seed production (20 female by 20 males) was conducted to create trial seed. One of the test crosses (later called 'Kilaprince') was considered excellent. In these trials 'Kilaprince' performed well in the Netherlands, Germany, Poland and Hungary. 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
Head	diameter	medium to large
Female flowers	male sterility	present
Outer leaf	colour (with wax)	green to grey-green
Head shape	in longitudinal section	circular
White cabbage	time of harvest maturity	medium to late
Head	density	medium

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Carbonara'	Similar to the candidate in the above 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	'KILAPRINCE'	'Carbonara'
☐ *Plant: height (white cabbage varieties only)	medium to tall	
☐ *Plant: height (red cabbage varieties only)	medium to tall	
☐ Plant: maximum diameter (red cabbage varieties only)	medium to large	
☐ Plant: length of outer stem	short to medium	
☐ *Plant: attitude of outer leaves	semi-erect	
☐ *Outer leaf: size (white cabbage varieties only)	medium to large	
☐ Outer leaf: shape of blade	circular	
☐ Outer leaf: profile of upper side of blade	concave	
☒ *Outer leaf: degree of blistering (white and red cabbage varieties only)	absent or very weak	moderate
☐ *Outer leaf: size of blisters (white and red cabbage varieties only)	medium	

☐ *Outer leaf: colour	grey green	grey green
☐ Outer leaf: intensity of colour	medium	
☒ Outer leaf: waxiness	medium	strong
☒ Outer leaf: undulation of margin	weak	weak to medium
☐ Outer leaf: reflexion of margin	present	
☐ *Head: shape in longitudinal section	circular	
☐ Head: shape of base in longitudinal section	rounded	
☐ *Head: length	medium to long	
☐ *Head: diameter	medium to large	
☐ Head: position of maximum diameter	at middle	
☐ Head: cover	covered	
☐ Head: reflexion of margin of cover leaf	present	
☐ *Head: colour of cover leaf	green	
☐ Head: intensity of colour of cover leaf	medium	
☐ Head: anthocyanin colouration of cover leaf (white cabbage and savoy cabbage varieties only)	very weak to weak	
☐ *Head: internal colour	whitish	
☐ *Head: density	medium	
☐ Head: internal structure	medium to coarse	
☐ *Head: relative length of interior stem compared to length of head	medium to long	
☐ *Time of: harvest maturity (white cabbage varieties only)	medium to late	
☐ Time of: bursting of head after maturity	medium to late	
☐ *Male: sterility	present	
☐ Resistance to: race 1 of *Fusarium oxysporum* f. sp. *conglutinans*	present	

Prior Applications and Sales:

Country	Year	Status	Name Applied
European Union	2021	Granted	'Kilaprince'
Netherlands	2020	Granted	'Kilaprince'

First sold in Poland on 02 March 2023.

Description: David Gillespie, Ormiston, QLD 4610

White Cabbage (*Brassica oleracea* L. *convar. capitata* (L.) Alef. *var. alba* DC.) variety 'Kilaprince'

Grants

Application Number	Variety Name	Common Name	Synonym	Genus	Species	Applicant(s)	Grant Date	Certificate Number	Expiry Date
2022/031	TITAN AX	Barley	Not Applicable	*Hordeum*	*vulgare*	Australian Grain Technologies Pty Ltd	16/05/2024	7080	16/05/2044
2022/057	Babelle	Sweet Cherry	Not Applicable	*Prunus*	*avium*	CTIFL	16/05/2024	7081	16/05/2049
2021/049	Kisses and Wishes	Sage	Not Applicable	*Salvia*	*hybrida*	John Knott; Sarah Knott	09/05/2024	7077	09/05/2044
2021/069	F122	Blueberry	Not Applicable	*Vaccinium*	*corymbosum*	The New Zealand Institute for Plant and Food Research Limited	23/05/2024	7087	23/05/2044
2018/053	RS1	Apple	Not Applicable	*Malus*	*domestica*	Red Moon GmbH	22/05/2024	7084	22/05/2049
2022/046	Nzsummer3	Apricot	Not Applicable	*Prunus*	*armeniaca*	The New Zealand Institute for Plant and Food Research Limited	15/05/2024	7079	15/05/2049
2022/147	SRA39	Sugarcane	QS10-445	*Saccharum*	*hybrid*	Sugar Research Australia	24/06/2024	7098	24/06/2044
2022/155	PBAGRI-027	Cowpea	Not Applicable	*Vigna*	*unguiculata*	GeneGro Pty Ltd	17/07/2024	7104	17/07/2044
2020/120	PATROBAS	Lettuce	Not Applicable	*Lactuca*	*sativa*	Vilmorin-Mikado	03/07/2024	7103	03/07/2044
2022/148	SRA32	Sugarcane	QS09-8404	*Saccharum*	*hybrid*	Sugar Research Australia	24/06/2024	7099	24/06/2044
2021/121	INSULA	Cucumber	Not Applicable	*Cucumis*	*sativus*	Rijk Zwaan Zaadteelt en Zaadhandel B.V.	10/05/2024	7078	10/05/2044
2018/024	PMSP185264170	Spinach	Not Applicable	*Spinacia*	*oleracea*	Nunhems B.V.	12/06/2024	7092	12/06/2044
2021/109	MALUA	Lettuce	Not Applicable	*Lactuca*	*sativa*	Vilmorin-Mikado	21/06/2024	7097	21/06/2044
2021/190	IZIGO	Lettuce	Not Applicable	*Lactuca*	*sativa*	Syngenta Crop Protection AG	30/05/2024	7089	30/05/2044

2021/199	EL LUCIO	Spinach	Not Applicable	*Spinacia*	*oleracea*	Syngenta Crop Protection AG	31/05/2024	7090	31/05/2044
2018/380	MOBEc 69		ech 142	*Echeveria*	*hybrid*	Morgan Oates & Brown Pty Ltd	13/06/2024	7094	13/06/2044
2018/190	Legion	Hybrid Ryegrass	Not Applicable	*Lolium*	*x boucheanum*	Grasslands Innovation Ltd	12/06/2024	7091	12/06/2044
2019/046	ALLYANCE	Carrot	Not Applicable	*Daucus*	*carota*	Nunhems B.V.	22/05/2024	7083	22/05/2044
2022/149	SRA37	Sugarcane	QS09-7559	*Saccharum*	*hybrid*	Sugar Research Australia	24/06/2024	7100	24/06/2044
2016/106	LJ-1000	Apple	Not Applicable	*Malus*	*domestica*	Regents of the University of Minnesota	14/06/2024	7095	14/06/2049
2022/047	Nzsummer4	Apricot	Not Applicable	*Prunus*	*armeniaca*	The New Zealand Institute for Plant and Food Research Limited	22/05/2024	7086	22/05/2049
2017/076	Spartacus	Perennial Ryegrass	Not Applicable	*Lolium*	*perenne*	PGG Wrightson Seeds Limited	02/07/2024	7102	02/07/2044
2019/016	Kishutemari	Japanese Persimmon	Not Applicable	*Diospyros*	*kaki*	Wakayama Prefecture	08/05/2024	7076	08/05/2049
2018/012	Kizuri	Apple	Not Applicable	*Malus*	*domestica*	Better3fruit NV	21/05/2024	7082	21/05/2049
2022/228	RRAPL_01	Rice	DS1-early	*Oryza*	*sativa*	Ricegrowers Limited trading as SunRice	30/05/2024	7088	30/05/2044
2020/190	PGSSCN	White Spurce	Superstar	*Picea*	*glauca*	Coolwyn Nurseries Pty Ltd	13/06/2024	7093	13/06/2049
2022/150	SRA38	Sugarcane	QS10-863	*Saccharum*	*hybrid*	Sugar Research Australia	24/06/2024	7101	24/06/2044
2018/134	Marcollat	Lucerne	AGC02	*Medicago*	*sativa*	Alpha Group Consulting Pty Ltd	15/06/2024	7096	15/06/2044
2018/054	RM-1	Apple	Not Applicable	*Malus*	*domestica*	Red Moon GmbH	22/05/2024	7085	22/05/2049

Refusals

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

Applications Withdrawn

Application Number	Variety Name	Common Name	Synonym	Genus	Species	Applicant(s)	Withdrawal Date
2020/180	LPP01		Not Applicable	*Libertia*	*paniculata*	Suzanne Kathleen Pryor t/a Pasionwood Perennials	13/05/2024
2016/170	SCH74002	Rose	Miss Holland!	*Rosa*	*hybrid*	Piet Schreurs Holding B.V.	14/05/2024
2023/252	ICE ELECTRO	Lettuce	ICEELECTRO	*Lactuca*	*sativa*	Syngenta Crop Protection AG	17/06/2024
2021/093	5321BKP74	Tangor	Not Applicable	*Citrus*	*reticulata x sinensis*	Craig Robert Pressler	12/07/2024
2021/180	LA VIE	Potato	Not Applicable	*Solanum*	*tuberosum*	IPR B.V.	29/05/2024
2014/096	SCH40919	Rose	Dolcetto!	*Rosa*	*hybrid*	Piet Schreurs Holding B.V.	14/05/2024
2022/089	M610T	Tangor	Not Applicable	*Citrus*	*reticulata x sinensis*	Craig Robert Pressler as Trustee for C & B Pressler Family Trust	19/07/2024
2023/137	Emanuelle	Potato	Not Applicable	*Solanum*	*tuberosum*	IPR B.V; P.J. van der Zee; F.P. van der Zee	29/05/2024
2016/379	SMERALDA	Apple	Not Applicable	*Malus*	*domestica Borkh.*	C.I.V.	31/05/2024
2015/115	COR11	Salmon Correa	Not Applicable	*Correa*	*pulchella*	Dave Burt	13/05/2024
2023/019	CARNAC	Watermelon	Not Applicable	*Citrullus*	*lanatus*	HM. CLAUSE, Inc.	31/07/2024

Grants Revoked

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

Grants Surrendered

Application Number	Variety Name	Common Name	Synonym	Genus	Species	Applicant(s)	Surrendered Date
2008/067	Summer Cascade	River Birch	Not Applicable	*Betula*	*nigra*	John D. Allen and Daniel A. Allen	16/05/2024
2011/090	WX 58	Waxflower	Not Applicable	*Chamelaucium*	*megalopetalum x uncinatum*	Botanic Gardens and Parks Authority	24/07/2024
2016/218	Bellanova	Potato	Not Applicable	*Solanum*	*tuberosum*	Solana GmbH & Co KG	11/07/2024
2020/302	ZAC	Lettuce	Not Applicable	*Lactuca*	*sativa*	Rijk Zwaan Zaadteelt en Zaadhandel B.V.	15/05/2024
2004/282	DP 570 BGII	Cotton	Not Applicable	*Gossypium*	*hirsutum*	Monsanto Australia Limited	29/07/2024
2020/300	OUTBEX	Lettuce	Not Applicable	*Lactuca*	*sativa*	Rijk Zwaan Zaadteelt en Zaadhandel B.V.	15/05/2024
2012/191	01DKD2	Corn	Not Applicable	*Zea*	*mays*	Monsanto Technology LLC	30/07/2024
2004/284	DP 579 BGII	Cotton	Not Applicable	*Gossypium*	*hirsutum*	Monsanto Australia Limited	29/07/2024
2001/180	Green Glow	Pittosporum	Not Applicable	*Pittosporum*	*tenuifolium*	REH Superannuation Pty Ltd	24/06/2024
2020/304	VINCAS	Lettuce	Not Applicable	*Lactuca*	*sativa*	Rijk Zwaan Zaadteelt en Zaadhandel B.V.	15/05/2024
2018/303	OVATION	Raspberry	Not Applicable	*Rubus*	*idaeus*	PLANT SCIENCES, Inc.	08/05/2024
2009/130	Salcut	Rhodes Grass	Not Applicable	*Chloris*	*gayana*	Selected Seeds Pty Ltd	04/07/2024
2021/274	CORVINAS	Lettuce	Not Applicable	*Lactuca*	*sativa*	Rijk Zwaan Zaadteelt en Zaadhandel B.V.	15/05/2024
2015/159	Cerisa	Potato	Not Applicable	*Solanum*	*tuberosum*	Agrico U.A.	28/05/2024
2009/300	King Rock	Wheat	Not Applicable	*Triticum*	*aestivum*	InterGrain Pty Ltd	10/07/2024

2007/316	CARDINAL	Cordyline	Not Applicable	*Cordyline*	*australis*	Liner Plants NZ (1993) Limited	24/06/2024
2004/283	DP 576 BGII	Cotton	Not Applicable	*Gossypium*	*hirsutum*	Monsanto Australia Limited	30/07/2024
2012/192	01INL1	Corn	Not Applicable	*Zea*	*mays*	Monsanto Technology LLC	30/07/2024
2012/194	C3IZI203	Corn	Not Applicable	*Zea*	*mays*	Monsanto Technology LLC	30/07/2024
2010/011	Black Magic	New Zealand Mountain Flax	Not Applicable	*Phormium*	*cookianum*	Vince Naus	23/05/2024
2021/219	SRA34	Sugarcane	Not Applicable	*Saccharum*	*hybrid*	Sugar Research Australia	06/06/2024
2013/018	HeatwaveGlow	Sage	Not Applicable	*Salvia*	*hybrid*	Plant Growers Australia	03/05/2024
2014/340	Triumph	Strawberry	Not Applicable	*Fragaria*	*xananassa*	Plant Sciences, Inc.	08/05/2024
2020/289	Rainey	Lettuce	Not Applicable	*Lactuca*	*sativa*	Rijk Zwaan Zaadteelt en Zaadhandel B.V.	28/05/2024
2017/320	Bondre 1051	Everlasting Daisy	Not Applicable	*Xerochrysum*	*bracteatum*	Bonza Botanicals Pty Ltd	25/07/2024
2012/235	Delphine	Potato	Not Applicable	*Solanum*	*tuberosum*	Saatzucht Fritz Lange KG	03/05/2024
2007/211	Lexteews	Rose	Not Applicable	*Rosa*	*hybrid*	Dummen Group B.V.	13/06/2024
2012/193	87DUA5	Corn	Not Applicable	*Zea*	*mays*	Monsanto Technology LLC	30/07/2024
2014/115	EXPONENT	Lettuce	Not Applicable	*Lactuca*	*sativa*	Rijk Zwaan Zaadteelt en Zaadhandel B.V.	15/05/2024
2015/093	Verodita	Lettuce	Not Applicable	*Lactuca*	*sativa*	Rijk Zwaan Zaadteelt en Zaadhandel B.V.	30/07/2024
2009/067	Arnie	Annual Ryegrass	Not Applicable	*Lolium*	*multiflorum var. westerwoldicum*	Barenbrug Holland B.V.	24/07/2024

Grants Expired

Application Number	Variety Name	Common Name	Synonym	Genus	Species	Applicant(s)	Expiry Date
2002/314	Marombi	Wheat	Not Applicable	*Triticum*	*aestivum*	The University of Sydney, Grains Research and Development Corporation	02/07/2024
1997/332	ARCTIC JAY	Nectarine	Not Applicable	*Prunus*	*persica var. nucipersica*	Zaiger's Inc. Genetics	27/05/2024
2001/099	PP500	Tussock Grass	Not Applicable	*Poa*	*poiformis*	Ozbreed Pty Ltd	29/07/2024
1997/168	Katrinus	Spiny Headed Mat Rush	Not Applicable	*Lomandra*	*longifolia*	Ozbreed Pty Ltd	01/07/2024
1996/032	EARLICOT	Apricot	Not Applicable	*Prunus*	*armeniaca*	Zaiger's Inc. Genetics	27/05/2024
1997/029	TPP 1	Mango	Not Applicable	*Mangifera*	*indica*	SY Hew and TM Siah	30/06/2024
2003/049	Wheeler	Peanut	Not Applicable	*Arachis*	*hypogaea*	The State of Queensland acting through the Department of Agriculture and Fisheries (DAF), Grains Research and Development Corporation	23/07/2024
2001/227	Farah	Field Bean	Not Applicable	*Vicia*	*faba*	Adelaide Research & Innovation Pty Ltd. Grains Research and Development Corporation	08/07/2024
1996/216	VISTA	Peach	VISTARICH	*Prunus*	*persica*	Zaiger's Inc. Genetics	27/05/2024
2002/116	SuperSiriver	Lucerne	Not Applicable	*Medicago*	*sativa*	Seed Genetics International Pty Ltd	06/07/2024
1996/225	BETTY ANNE	Japanese Plum	Not Applicable	*Prunus*	*salicina*	Zaiger's Inc. Genetics	27/05/2024

1996/219	SUMMER SWEET	Peach	Not Applicable	*Prunus*	*persica*	Zaiger's Inc. Genetics	27/05/2024
2002/226	Sicot 71	Cotton	Not Applicable	*Gossypium*	*hirsutum*	Commonwealth Scientific and Industrial Research Organisation	24/05/2024
2001/090	LM400	Spiny Headed Mat Rush	Not Applicable	*Lomandra*	*longifolia*	Ozbreed Pty Ltd	01/07/2024
1997/045	CYGNE BLANC	Grape vine	Not Applicable	*Vitis*	*vinifera*	Dorham and Doris Elsie Mann	24/05/2024
2001/092	LM300	Spiny Headed Mat Rush	Not Applicable	*Lomandra*	*longifolia*	Ozbreed Pty Ltd	25/06/2024
1996/220	SNOW KING	Peach	Not Applicable	*Prunus*	*persica*	Zaiger's Inc. Genetics	27/05/2024
2002/215	Brusher	Oats	Not Applicable	*Avena*	*sativa*	Minister for Agriculture, Food and Fisheries and Rural Industries Research and Development Corporation	23/07/2024
2003/058	Kano	Italian Ryegrass	Not Applicable	*Lolium*	*multiflorum*	Cropmark Seeds Ltd.	23/07/2024
1998/174	GRANDICOLOR	Princess Protea	Not Applicable	*Protea*	*hybrid*	Ausflora Pty Ltd	27/07/2024
1996/222	SEPTEMBER SNOW	Peach	Not Applicable	*Prunus*	*persica*	Zaiger's Inc. Genetics	27/05/2024
2002/227	Sicala 43	Cotton	Not Applicable	*Gossypium*	*hirsutum*	Commonwealth Scientific and Industrial Research Organisation	24/05/2024
2003/048	Middleton	Peanut	Not Applicable	*Arachis*	*hypogaea*	The State of Queensland acting through the Department of Agriculture and Fisheries (DAF), Grains Research and	23/07/2024

						Development Corporation	
2002/018	Eyres Green	Saltbush	Not Applicable	*Atriplex*	*nummularia*	Adelaide Hills Berry Farms Pty Ltd	06/07/2024
1999/031	Tabu	Italian Ryegrass	Not Applicable	*Lolium*	*multiflorum*	New Zealand Agriseeds Limited	23/07/2024
1996/224	ARCTIC SWEET	Nectarine	Not Applicable	*Prunus*	*persica var. nucipersica*	Zaiger's Inc. Genetics	27/05/2024
2001/107	Tickled Pink	Tea Tree	Not Applicable	*Leptospermum*	*hybrid*	Peter James Ollerenshaw	19/05/2024
2001/015	Korwarpeel	Rose	Not Applicable	*Rosa*	*hybrid*	W. Kordes' Sohne Rosenschulen GmbH & Co KG	23/07/2024
1998/175	Gembrook	Waratah	Not Applicable	*Telopea*	*speciosissima x Telopea oreades*	Ausflora Pty Ltd	27/07/2024
1998/249	Dancing Queen	Waxflower	Not Applicable	*Chamelaucium*	*uncinatum*	Helix Australia (Goldsash Corporation Pty Ltd)	17/05/2024
2002/130	HARMONY	Potato	HARM 5-92	*Solanum*	*tuberosum*	Caithness Potato Breeders Ltd	06/07/2024

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
2011/176	FJ	Sweet Orange		*Citrus*	*sinensis*	Amazon Bridge	Francesco Mercuri, Frank Nardi, Domenico Mallamace, George Nardi, Gerardo	17/06/2024

							Papasidero, Michele Cuzzillo, Margaret Severino, Giuseppe Iannelli	
2011/175	M 4	Sweet Orange		*Citrus*	*sinensis*	D & T Nardi & Partners; Amazon Bridge	D & T Nardi & Partners, Francesco Mercuri, Domenico Mallamace, George Nardi, Gerardo Papasidero, Michele Cuzzillo, Giuseppe Iannelli, Margaret Severino	17/06/2024

Change or Nomination of Agent

Application Number	Variety Name	Common Name	Synonym	Genus	Species	Changed From	Changed To	Date of Change
1999/134	Mariri Red	Apple		*Malus*	*domestica*	Ellis Terry	Catalyst Intellectual Property	16/05/2024
2013/244	Bondrepuho	Everlasting Daisy		*Xerochrysum*	*bracteatum*	Oasis Horticulture Pty Limited	Tim Angus	07/05/2024
2018/261	AGV1002	Chickpea		*Cicer*	*arietinum*	Leonard Mancini of IP Solved (ANZ) Pty Ltd	IP Solved (ANZ) Pty Ltd	09/05/2024

2014/155	Jewel of the Nile	Hebe		*Hebe*	*hybrid*	Touch of Class Plants Pty Ltd	Anthony Tesselaar Plants Pty Ltd	24/06/2024

Denomination (Variety) Changes

Application Number	Common Name	Synonym	Genus	Species	Changed From	Changed To	Date of Change
2023/176	Waxflower		*Chamelaucium*	*uncinatum*	Meghan	Megan	20/05/2024
2023/181	Oats		*Avena*	*sativa*	PAL22	Jackaroo	21/05/2024
2022/236	Soybean		*Glycine*	*max*	New Burrinjuck	Riverina	01/07/2024

Change/Addition of Synonym

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

Corrigenda

Barley

Hordeum vulgare

Application Number: 2020/115

'Beast'

In the variety description published in the Plant Varieties Journal Vol. 34 No.2, the breeders of the variety are: Stewart Coventry and Paul Telfer, Australian Grain Technologies Pty Ltd, Roseworthy, SA 5371; Jason Eglinton and Amanda Box, The University of Adelaide, Urrbrae, SA 5064.

Barley

Hordeum vulgare

Application Number: 2021/142

'Yeti'

In the variety description published in the Plant Varieties Journal Vol. 35 No.2, the breeders of the variety are: Stewart Coventry, Paul Telfer and Haydn Kuchel, Australian Grain Technologies Pty Ltd, Roseworthy, SA 5371; Jason Eglinton and Amanda Box, The University of Adelaide, Urrbrae, SA 5064.

Spinach

Spinacia oleracea

Application Number: 2018/090

'PMSP188463776'

In the variety description published in the Plant Varieties Journal Vol. 36 No.4. Comparator name 'SP 629-8463776' was incorrect and correct comparator name is 'Antalia' instead of 'SP 629-8463776'.

Appendices

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

Appendix 1 - Index of Accredited Consultant 'Qualified Persons'

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

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

Last Name	First Name
Jowitt	Anita
Webb	Chantelle
Martin	William
Arkinstall	Sean
De Barro	James
Ansari	Omid
Fitzgibbon	John
Matthews	Michael
Wei	Xianming
Coventry	Stewart
Jupp	Noel
Cecil	Andrew
Peck	David
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
Trautwein	Michael
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
Francis	Matt
Lacey	Kevin
Connolly	Karen
Dewar	Matthew
Ko	Yu-Cheng
Downe	Graeme

Appendix 3- Centralised Testing Centres

Under Plant Breeder's Rights Regulations introduced in 1996, establishments may be officially authorised by the PBR office to conduct test growing's. An authorised establishment will be known as Centralised Test Centre (CTC).

Usually, the implementation of PBR in Australia relies on a 'breeder testing' system in which the applicant, in conjunction with a nominated Qualified Person (QP), establishes, conducts, and reports a comparative trial. More often than not, trials by several breeders are being conducted concurrently at different sites. This makes valid comparisons difficult and often results in costly duplication.

While the current system is and will remain satisfactory, other optional testing methods are available which adds flexibility to the PBR process.

Centralised Testing is one such optional system. It is based upon the authorisation of private or public establishments to test one or more genera of plants. Applicants can choose to submit their varieties for testing by a CTC or continue to do the test themselves. Remember, using a CTC to test your variety is voluntary.

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

The PBR office has amended its fees so that cost savings can be passed to applicants who choose to test their varieties in a CTC. Accordingly, when one or more candidate varieties are tested, each will qualify for the CTC examination fee of $920. This is a saving of more than 40% over the normal fee of $1610.

Establishments wishing to be authorised as a CTC may apply in writing to the PBR office outlining their claims against the selection criteria. Initially, only one CTC will be authorised for each genus. Exemptions to this rule can be claimed due to special circumstances, industry needs and quarantine regulations. Authorisations will be reviewed periodically and may be withdrawn at any time if considered no longer suitable, inactive or the listed Qualified Person(s) are no longer accredited. The onus is on the CTC establishment to contact the PBR Office if their authorisation details change. If authorisation is withdrawn then a new application will be necessary if re-authorisation is required.

Authorisation of CTCs is not aimed solely at large research institutions. Smaller establishments with appropriate facilities and experience can also apply for CTC status. There is no cost for authorisation as a CTC.

REQUESTS FOR AUTHORISATION AS A'CENTRALISED TESTING CENTRE

Establishments interested in gaining authorisation as a Centralised Testing Centre should apply in writing addressing each of the Conditions and Selection Criteria outlined below.

Conditions and Selection Criteria

To be authorised as a CTC, the following conditions and criteria will need to be met: **Appropriate facilities**

While in part determined by the genera being tested, all establishments must have facilities that allow the conduct and completion of moderate to large-scale scientific experiments without undue environmental influences. Again, dependent on genera, a range of complementary testing and propagation facilities (e.g. outdoor, glasshouse, shade house, tissue culture stations) is desirable.

Experienced staff

Adequately trained staff, and access to appropriately accredited Qualified Persons, with a history of successful PVR/PBR applications will need to be available for all stages of the trial from planting to the presentation of the trial the relevant UPOV protocols, technical guideline or national descriptor for the genus should be followed. Where necessary the establishment and conduct of the trial can be discussed with the PBR office.

Industry support

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

Long-term storage of genetic material

Applicants nominate where their material is to be maintained prior to grant. However, depending upon the genus, a CTC may be in a position to collect and maintain, at minimal cost, genetic resources of vegetatively propagated species as a source of comparative varieties. Applicants indicating a willingness to act as national genetic resource centre in perpetuity will be favoured.

Contract testing for 3rd Parties

Unless exempted inwriting by the PBR office operators of a CTC must be prepared to test varieties submitted by a third party.

Relationship between CTC and 3rd Parties

A formal arrangement between the CTC and any third party including fees for service will need to be prepared and signed before the commencement of the trial. It will include among other things: how the plant material will be delivered (e.g. date, stage of development plant, condition etc); allow the applicant and/or their agent and QP access to the site during normal working hours; and release the use of all trial data to the owners of the varieties included in the trial.

One trial at a time

Unless exempted in writing by the PBR office, all candidates and comparators should be tested in a single trial.

One CTC per genus

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

Authorised Centralised Test Centres (CTCs)

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

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

Name	Location	Approved Genera	Facilities	Name of QP	Date of accreditat ionon	Next review date
Tahune Fields Nursery	Huon Valley Southern Tasmania	Pome Fruit	Comprehensive equipment and facilities for large scale propagation, growing, conditioning, storage, marketing and transport	G. Brown	12/03/2015	1/12/2022
Agronico Technology Pty Ltd	Leith, TAS	Solanum tuberosum	Access to tissue culture storage and mini tuber production facilities (VICSPA accredited),for storing and multiplying varieties in preparation for testing	Stewart McKay, James Hills	7/04/2016	1/12/2022
G Crumpton& Sons & Co Pty Ltd	Crawford,QLD	Duboisia	Comprehensive growing facilities	D. Loch	13/12/2016	1/12/2022
DriscollsAustraliaPty Ltd	Palmwoods,QLD	Fragaria spp., Vaccinium spp., Rubus spp.	Irrigated fieldtrial areas, laboratory facilities, glasshouse	Jennifer Moisander	13/12/2016	1/12/2022
GrapeCoPty Ltd	South Merbein,VIC	Vitis vinifera (Table Grapeonly)	Drip irrigation.Cool rooms are being installed	Ms Alison MacGregor	24/03/2022	1/02/2022

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

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

Appendix 4 – Register of Plant Varieties

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