

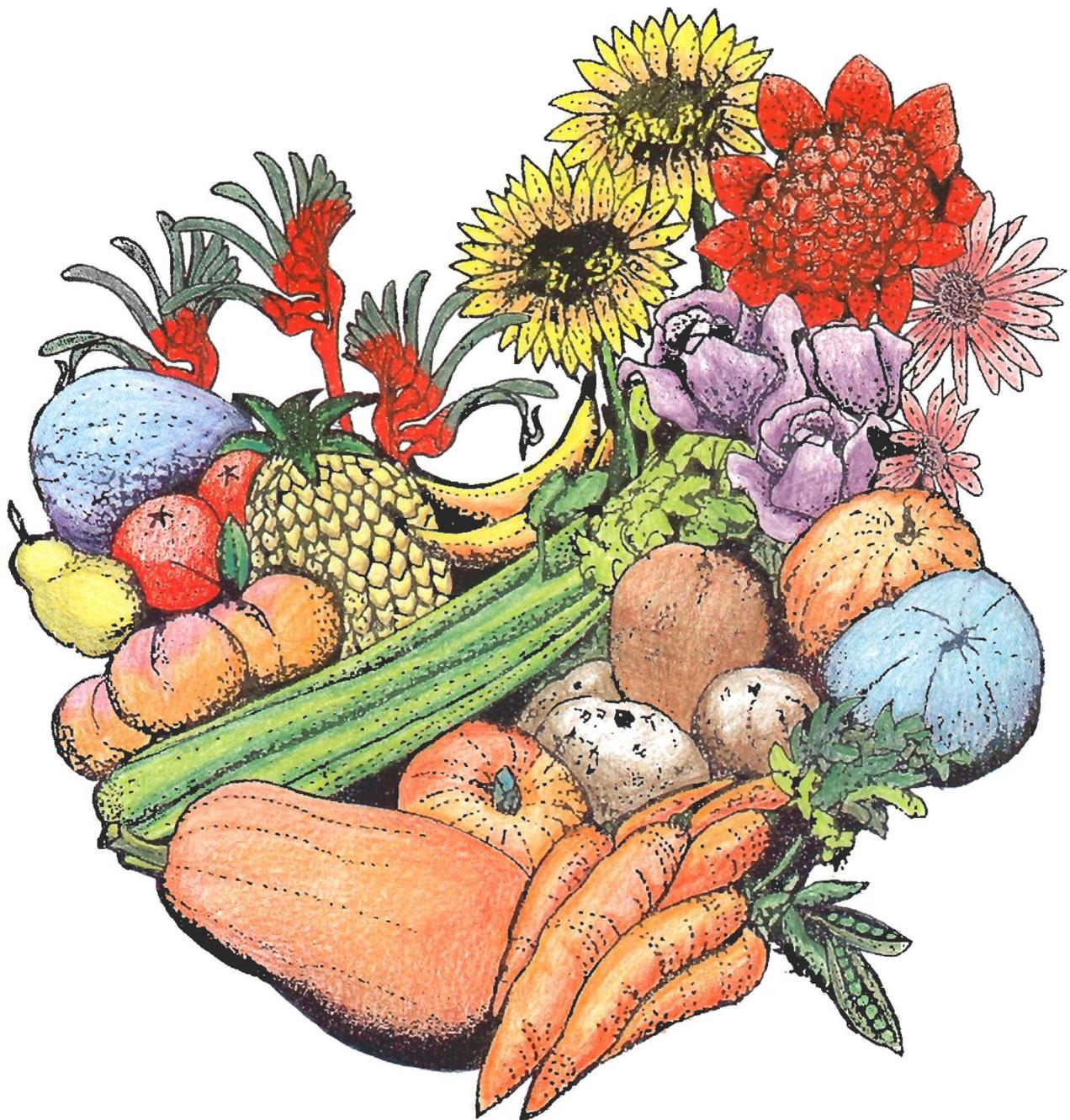


Plant Varieties Journal

March 1995

Volume 8

Number 1



Official Journal of Plant Breeders Rights Australia

Subscriptions and renewals to *Plant Varieties Journal*

will cost \$40 per annum

from 1 January 1995

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NEW PLANT RELEASES 1995

Included in our July issue is a section dedicated to newly released or soon to be released plants. Please fill in the following form outlining your new plants for 1995.

All editorial material must be received (or confirmed) by 20 May.

Contact: Anita Boucher should you require further information or assistance.

GROWER DETAILS

Nursery or company name: _____

Contact person: _____

Address: _____

Phone: () _____ Fax: () _____

PLANT DETAILS

Plant name (botanic name and variety, and common name if applicable): _____

Uses: _____

Have you applied for PBR?: _____

Release date/availability: _____

Description: _____

Cultural information: _____

History (e.g. origin, breeder, background): _____

Photo available (colour transparency or print preferable): _____

Photographs included (quantity): _____ (PTO)

Plant Varieties Journal

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SUBSCRIPTION ENQUIRIES AND ADVERTISING
SHOULD BE ADDRESSED TO:

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CLOSING DATE FOR JUNE ISSUE: 1 MAY 1995

Assistance with scientific names from **Lyn Craven**, Australian National Herbarium, Division of Plant Industry, CSIRO.
The Office thanks **Iain Dawson** of the Australian Cultivar Registration Authority for his scientific advice.

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ISBN: 1030 9748



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Part 1 - General Information

Descriptions of Varieties: The Short Version

Role and importance of the description

The description of a variety plays four important roles in Plant Breeders Rights Australia (PBRA):

- public notice that a grant of PBR to a particular variety is imminent
- part of the examination for compliance with the Act
- the official and legal description of a variety for the Register
- reference material for all legal and technical requirements under PBR for twenty or more years

A comprehensive description is central to the technical, legal and administrative aspects of PBRA and the qualified person, in collaboration with the applicant, plays a critical role in the examination by providing a complete description with three components:

- the full text description, together with information on the origin and comparative test;
- tabulated comparative data;
- a photograph featuring principal distinguishing characters.

As specified in the Act (section 34), a full and detailed description of each variety is an essential requirement for all PBR applications. Descriptions may tend to become longer and more detailed in the future if they are to serve as reference material in cases of infringement and essential derivation (EDV). **No change to the format or detail of the long and detailed description is contemplated at present, but QPs could give some attention to ensuring that the description can serve as a definitive and absolute description of a variety for legal purposes.** This may mean that descriptions will become longer and more comprehensive. Increasing the length will inevitably increase the cost of publication. The cost is already rising significantly as numbers of applications rise. To contain publication costs and achieve all the aims of a description the office will introduce the *short* description purely for publication.

Short description to accompany the long detailed description

PBR Australia will, in future, only publish a *short description*, a *photograph* and abridged *tabulated data*. The table of the *short* description should only contain characters that are distinct from comparators.

The "Descriptions" section of this *Plant Varieties Journal* (volume 8 no.1) has examples of the short version. They are precis of the submitted long descriptions. Not all fully represent the precise requirements for the short description.

Please note that the short description should describe the variety using the following order of characters: Seedling, plant, stem, leaf, inflorescence, flower, fruit, seed, other characters (disease resistance, etc.).

The format of the text is written in concise taxonomic style in which most linking words are replaced with punctuation. All principal characters are described. Each character is singular, unless using the 'singular' changes the sense. Each feature is allotted one sentence, with components of the character separated by semicolons, and each sub component separated by a comma. For example:

Flower: mean diameter 52mm, blue(RHS23A); 22-28 overlapping petals; petal obovate, undulating; 6 stamens, stigma yellow(RHS11C), style pink (RHS135C); filament red-brown(RHS.....)and so on.

This form of text, we believe, will not compromise the essential purpose of publication which is to provide public notice of the imminent grant of PBR. Legal practitioners, applicants and QPs may obtain full descriptions from PBR Australia should they require more details for objections, claims of essential derivation, for choosing comparators or for, say, infringement actions.

Timing of short and long versions of descriptions

Since both the long and short versions play a decisive role in the examination process and for fulfilling all the requirements under the PBR Act, it is imperative that the short and long descriptions of the variety be *submitted simultaneously* by Qualified Persons. The role of the longer more comprehensive version in examination is vital to the administration of objections and EDV that are initiated by public notice in the *Plant Varieties Journal*. Because the long description needs to be in PBRA records at the time of publication the short description cannot be published unless the longer, more comprehensive description accompanies the short description.

Electronic and printed versions required

Both long and short versions of descriptions on disk and hard copy are still required. MS Word for Windows is the preferred word processing software. When setting up and processing tabulated data use **ONE TAB SPACE BETWEEN COLUMNS OF DATA**. The length of the tab space can vary in order to align data providing only *one* tab space is used. Using one-tab formatting will make it faster and less expensive for PBRA to convert the information to the print format.

Objections

Formal objections to applications can be lodged by a person who:

- a) considers their commercial interests would be affected by a grant of PBR to the applicant; **and**
- b) considers that the applicant will not be able to fulfill all the conditions for the grant of PBR to the variety.

A fee of \$100 is payable at the time of lodging a formal objection and \$75/hour will be charged if the examination of the objection by the PBR Office takes an unreasonably long time.

Comments: Any person may make comment on the eligibility of any application for PBR. The comment is considered confidential. There is no charge for this. If the comment is soundly based the person may be requested to lodge a formal objection

A person submitting a formal objection must provide supporting evidence to substantiate the claim. A copy of the submission will also be sent to the applicant and the latter will be asked to show why the objection should not be upheld.

All formal objections and comments must be lodged with the Registrar not later than six months after the date the description of the variety is published in PVJ.

Part 2 - Public Notices

ACCEPTANCES

APRICOT

Prunus armeniaca

'**Cluthagold**' syn '**Clutha 13/43**' Application No 94/176
Accepted 9 Aug 1994

Applicant: **The Horticulture & Food Research Institute of New Zealand Ltd**, Auckland, NZ
Agent: **Fleming's Nurseries & Associates Pty Ltd**, Monbulk, VIC

ARGYRANTHEMUM

Argyranthemum frutescens

'**Isabella**' Application No 95/016 Accepted 24 Jan 1995
Applicant: **Russell Bradbury**, Endeavour Hills, VIC
Agent: **Frank Hammond**, Narre Warren East, VIC

'**Gretel**' syn '**M2/16**' Application No 95/039
Accepted 6 Feb 1995

Applicant: **Frank Hammond, Warren Park Nursery**,
Narre Warren East, VIC

'**Primrose**' Application No 95/017 Accepted 24 Jan 1995
Applicant: **Russell Bradbury**, Endeavour Hills, VIC
Agent: **Frank Hammond**, Narre Warren East, VIC

BARLEY

Hordeum vulgare

'**Dash**' syn '**NFC 902/909**' Application No 95/053
Accepted 20 Feb 1995
Applicant: **New Farm Crops Limited**, Lincoln, England
Agent: **Heritage Seeds Pty Ltd**, Mulgrave, VIC

'**Monarch**' syn '**NFC 1243-11**' Application No 95/054
Accepted 20 Feb 1995
Applicant: **New Farm Crops Limited**, Lincoln, England
Agent: **Heritage Seeds Pty Ltd**, Mulgrave, VIC

BORONIA

Boronia megastigma

'**Royale**' Application No 94/240 Accepted 9 Jan 1995
Applicant: **Robert Harrison**, Tynong, VIC

BOSTON FERN

Nephrolepis exaltata

'**Delilah**' Application No 94/218 Accepted 21 Nov 1994
Applicant: **Biological Industries Plant Propagation**,
Kibbutz Beit Haemek, Israel
Agent: **Jacksons Nursery**, Brisbane, QLD

BOUGAINVILLEA

Bougainvillea spectoperuviana

'**Mischief**' Application No 94/223
Accepted 28 Nov 1994

Applicant: **Harlequin Group Pty Ltd**, Pallara, QLD

BRACHYSCOME

Brachyscome ascendens

'**Lavender Mist**' Application No 95/051
Accepted 14 Feb 1995

Applicant: **Australian Native Flora Promotions Pty Ltd**, Limpinwood Valley via Chillingham, NSW

BROAD BEAN

Vicia faba

'**Barkool**' Application No 94/229 Accepted 6 Dec 1994
Applicant: **Michael Kendall Mailler & Barbara Mildred Mailler**, Boggabilla, NSW

BROAD PEA

Pisum x Vicia

'**Purple Delight**' Application No 95/006
Accepted 23 Jan 1995

Applicant: **Les Garrett**, Gosnells, WA

CAMELLIA

Camellia sasanqua

'**Marge Miller**' Application No 95/015
Accepted 31 Jan 1995

Applicant: **Clement Harold Truran**, Hornsby, NSW
Agent: **Charles & Helen Cowell**, Theresa Park via
Camden, NSW

CAUCASIAN CLOVER

Trifolium ambiguum

'**Endura**' syn '**KZ1**' Application No 95/023
Accepted 24 Jan 1995

Applicant: **Wrightson Seeds Limited**, Christchurch, NZ
Agent: **Wrightson Seeds Australia Pty Ltd**, Seven
Hills, NSW

CLEMATIS

Clematis aristata x *gentianoides*

'Southern Cross' Application No 94/234

Accepted 24 Jan 1995

Applicant: **W Fletcher, R Costin, K Schaffer, & K Fountain**, Ridgeway, TAS

DIASCIA

Diascia barberae

'Fiona' Application No 94/227 Accepted 5 Dec 1994

Applicant: **Stephen Lawrence Wood**, High Wycombe, WA

EUCALYPT

Eucalyptus ficifolia x *ptychocarpa*

'Summer Beauty' syn 'Number 13' Application No 95/035 Accepted 31 Jan 1995

Accepted 31 Jan 1995

Applicant: **ST Henry**, Glasshouse Mountains, QLD

GREEN BEAN

Phaseolus vulgaris

'Nelson' syn 'Simba' Application No 94/220

Accepted 21 Nov 1994

Applicant: **Holland Select Research BV**, Andijk, The Netherlands

Agent: **Sunland Seed Pty Ltd**, Copernook, NSW

GREEN PEA

Pisum sativum

'Laura' syn 'A163-5' Application No 94/239

Accepted 3 Jan 1995

Applicant: **Minister for Primary Industries**, Adelaide, SA

Agent: **South Australian Research & Development Institute**, Adelaide, SA

GREVILLEA

Grevillea hybrid

'Golden Yul Lo' Application No 95/022

Accepted 31 Jan 1995

Applicant: **Wholesale Ornamental Nurserymen Pty Ltd**, Capalaba, QLD

IMPATIENS

Impatiens hybrid

'Debbie' Application No 94/226 Accepted 28 Nov 1994

Applicant: **Gary Keith Branch**, Port Macquarie, NSW

Agent: **Ian Collins**, Glenorie, NSW

Impatiens wallerana

'Fiesta Burgundy Rose' Application No 95/043

Accepted 20 Feb 1995

Applicant: **Pan American Seed Company**, Illinois, USA

Agent: **Newports Nurseries**, Winmalee, NSW

'Fiesta Salmon Surprise' Application No 95/044

Accepted 20 Feb 1995

Applicant: **Pan American Seed Company**, Illinois, USA

Agent: **Newports Nurseries**, Winmalee, NSW

'Fiesta Salsa Red' Application No 95/040

Accepted 20 Feb 1995

Applicant: **Pan American Seed Company**, Illinois, USA

Agent: **Newports Nurseries**, Winmalee, NSW

'Fiesta Sparkler Salmon' Application No 95/041

Accepted 20 Feb 1995

Applicant: **Pan American Seed Company**, Illinois, USA

Agent: **Newports Nurseries**, Winmalee, NSW

'Fiesta Tropical Orange' Application No 95/042

Accepted 20 Feb 1995

Applicant: **Pan American Seed Company**, Illinois, USA

Agent: **Newports Nurseries**, Winmalee, NSW

'Leah' Application No 94/236 Accepted 20 Dec 1994

Applicant: **D & M Catt Nursery**, Annangrove, NSW

'Rebecca' Application No 94/237 Accepted 20 Dec 1994

Applicant: **D & M Catt Nursery**, Annangrove, NSW

LABLAB BEAN

Lablab purpureus

'Koala' syn 'Q6880' Application No 95/002

Accepted 25 Jan 1995

Applicant: **NSW Agriculture**, Orange, NSW

LENTIL

Lens culinaris

'Northfield' syn 'ILL 5588' Application No 95/034

Accepted 31 Jan 1995

Applicant: **Minister for Primary Industries**, Adelaide, SA

Agent: **South Australian Research & Development Institute**, Adelaide, SA

LEUCODENDRON

Leucodendron unguinum x *L. discolor*

'World Vision' Application No 94/006

Accepted 3 Feb 1994

Applicant: **Rodney Warwick Tonkin & Mary Tonkin**, Pomonal, VIC

Agent: **Plants Management Australia Pty Ltd**, Berwick, VIC

LILIUM

Lilium hybrid

'Siberia' Application No 94/230 Accepted 6 Dec 1994

Applicant: **Siberia Oriental BV**, CG't, The Netherlands

Agent: **John Slykerman**, Monbulk, VIC

LOBELIA

Lobelia richardii

'True Blue' Application No 94/224
Accepted 28 Nov 1994
Applicant: **Pixie Plants**, Devon Meadows, VIC

MANDEVILLA
Mandevilla Saderi

'Pale Face' Application No 94/222
Accepted 21 Nov 1994
Applicant: **Vic Levey's Nurseries Pty Ltd**, D'Aguiar, QLD

PEACH
Prunus persica

'Kialla' Application No 94/221 Accepted 19 Dec 1994
Applicant: **Gary Godwill**, Kialla East, VIC

MICROLAENA
Microlaena stipoides

'Griffin' Application No 95/052 Accepted 20 Feb 1995
Applicant: **Botany Dept., University of New England**, Armidale, NSW

PEANUT
Arachis hypogaea

'Shosh' Application No 94/225 Accepted 29 Nov 1994
Applicant: **State of Israel, Ministry of Agriculture**, Bet Dagan, Israel
Agent: **Peter M Hatfield**, Kingaroy, QLD

PEAR
Pyrus communis

'Red Princess' Application No 95/046
Accepted 13 Feb 1995
Applicant: **Paul Giankos, Florina Coolstores**, Shepparton, VIC

PERSIAN CLOVER
Trifolium resupinatum var *majus*

'Laser' Application No 95/018 Accepted 24 Jan 1995
Applicant: **South Australian Seedgrowers Co-operative Limited**, Hilton, SA

'Leeton' Application No 95/019 Accepted 24 Jan 1995
Applicant: **South Australian Seedgrowers Co-operative Limited**, Hilton, SA

POTENTILLA
Potentilla fruticosa

'Marrob' syn **'Marian Red Robin'** Application No 95/036 Accepted 31 Jan 1995
Applicant: **Gys, Petrus de Jong, Marian Nurseries**, Dublin, Ireland
Agent: **Redlands Greenhouses Holdings Pty Ltd**, Redland Bay, QLD

PROTEA
Protea magnifica x *P.compacta*

'Pink Lady' Application No 95/001 Accepted 9 Jan 1995
Applicant: **Andrew Mathews, Proteaflora Enterprises Pty Ltd**, Monbulk, VIC

PRUNUS
Prunus hybrid

'Flavor Supreme' syn **'28EB12'** Application No 94/166
Accepted 22 Aug 1994
Applicant: **Zaiger's Inc Genetics**, California, USA
Agent: **Fleming's Nurseries & Associates Pty Ltd**, Monbulk, VIC

RED CLOVER
Trifolium pratense

'Grasslands G27' breeders reference **'G27'** Application No 94/213 Accepted 2 Nov 1994
Applicant: **New Zealand Pastoral Agricultural Research Institute Ltd**, Palmerston North, NZ
Agent: **Tony Stratton, AgResearch Grasslands**, Albury, NSW

ROSE
Rosa

'Jacfre' syn **'City of Goulburn'** Application No 95/024
Accepted 30 Jan 1995
Applicant: **Jackson & Perkins Roses**, Somis, California, USA
Agent: **Swane Bros Pty Ltd**, Narromine, NSW

'Jaclin' syn **'Patriot'** Application No 95/026
Accepted 25 Jan 1995
Applicant: **Jackson & Perkins Roses**, Somis, California, USA
Agent: **Swane Bros Pty Ltd**, Narromine, NSW

'Jacsedi' syn **'Love Potion'** Application No 95/025
Accepted 25 Jan 1995
Applicant: **Jackson & Perkins Roses**, Somis, California, USA
Agent: **Swane Bros Pty Ltd**, Narromine, NSW

'Kooiana Butterscotch' syn **'St Hilda's'** Application No 95/049 Accepted 14 Feb 1995
Applicant: **Sunrise Flowers International Limited**, Wanneroo, WA

'Kooiana Moonlight' syn **'Guildfordian'** Application No 95/047 Accepted 14 Feb 1995
Applicant: **Sunrise Flowers International Limited**, Wanneroo, WA

'Kooiana Watermelon' Application No 95/048
Accepted 14 Feb 1995
Applicant: **Sunrise Flowers International Limited**, Wanneroo, WA

'Macoborn' syn **'Maggie Barry'** Application No 95/031
Accepted 30 Jan 1995
Applicant: **Sam McGredy Roses International**, Auckland, NZ
Agent: **Swane Bros Pty Ltd**, Narromine, NSW

'Macspeego' syn **'Candella'** Application No 95/032
Accepted 30 Jan 1995
Applicant: **Sam McGredy Roses International**,
Auckland, NZ
Agent: **Swane Bros Pty Ltd**, Narromine, NSW

'Meipelta' syn **'Fushia Meidiland'** Application No
95/021 Accepted 24 Jan 1995
Applicant: **SNC Meilland et Cie**, Antibes, France
Agent: **Kim Syrus, Ross Roses**, Willunga, SA

'Meitosier' Application No 94/207 Accepted 9 Jan 1995
Applicant: **SNC Meilland et Cie**, Antibes, France
Agent: **Kim Syrus, Ross Roses**, Willunga, SA

'Poulbero' syn **'Solitude'** Application No 95/027
Accepted 30 Jan 1995
Applicant: **Poulsen Roser ApS**, Fredensborg, Denmark
Agent: **Swane Bros Pty Ltd**, Narromine, NSW

'Poullen' syn **'Little Bo Peep'** Application No 95/033
Accepted 30 Jan 1995
Applicant: **Poulsen Roser ApS**, Fredensborg, Denmark
Agent: **Swane Bros Pty Ltd**, Narromine, NSW

'Poulvue' syn **'Michael Crawford'** Application No
95/028 Accepted 30 Jan 1995
Applicant: **Poulsen Roser ApS**, Fredensborg, Denmark
Agent: **Swane Bros Pty Ltd**, Narromine, NSW

'SUNauck' syn **'Barossa Dream'** Application No 94/203
Accepted 6 Feb 1995
Applicant: **Frank Bart Schuurman**, Whenuapai, NZ
Agent: **St Kilda Roses Pty Ltd**, Waterloo Corner, SA

'SUNpat' syn **'Opal'** Application No 95/004
Accepted 24 Jan 1995
Applicant: **Frank Bart Schuurman**, Whenuapai, NZ
Agent: **Harry Schreuders, Grandiflora Nurseries Pty
Ltd**, Cranbourne, VIC

'SUNSalm' syn **'Gem'** Application No 95/003
Accepted 24 Jan 1995
Applicant: **Frank Bart Schuurman**, Whenuapai, NZ
Agent: **Harry Schreuders, Grandiflora Nurseries Pty
Ltd**, Cranbourne, VIC

'SUNtick' syn **'Tickled Pink'** Application No 94/202
Accepted 6 Feb 1995
Applicant: **Frank Bart Schuurman**, Whenuapai, NZ
Agent: **St Kilda Roses Pty Ltd**, Waterloo Corner, SA

'Wekaq' syn **'The Temptations'** Application No 95/030
Accepted 6 Feb 1995
Applicant: **Week's Roses**, California, United States of
America
Agent: **Swane Bros Pty Ltd**, Narromine, NSW

'Wekmar' syn **'Imagination'** Application No 95/029
Accepted 6 Feb 1995
Applicant: **Week's Roses**, California, USA
Agent: **Swane Bros Pty Ltd**, Narromine, NSW

SOYBEAN
Glycine max

'Deltapine 726' Application No 94/217
Accepted 9 Nov 1994
Applicant: **Delta and Pine Land Company**, USA
Agent: **Pioneer Hi-Bred Australia Pty Ltd**,
Toowoomba, QLD

SPATHIPHYLLUM
Spathiphyllum spp

'Metalica' syn **'ARA 70'** Application No 94/232
Accepted 24 Jan 1995
Applicant: **SNC Meilland et Cie**, Antibes, France
Agent: **Kim Syrus, Ross Roses**, Willunga, SA

TASMANIAN LAUREL
Anopterus glandulosus

'Picton River Pink' syn **'Southern Pink'** Application
No 94/233 Accepted 24 Jan 1995
Applicant: **W Fletcher, R Costin, K Schaffer & K
Fountain**, Ridgeway, TAS

UMBRELLA TREE
Schefflera aboricola

'Mme de Smet' Application No 94/231
Accepted 25 Jan 1995
Applicant: **Paul Denis**, Lochristie, Belgium
Agent: **James McGeoch**, Birkdale, QLD

WALLABY GRASS
Danthonia richardsonii

'Hume' Application No 95/007 Accepted 24 Jan 1995
Applicant: **CSIRO, Division of Plant Industry**,
Canberra, ACT

WHEAT
Triticum durum

'Kronos' syn **'DO3-21'** Application No 94/238
Accepted 3 Jan 1995
Applicant: **Arizona Plant Breeders**, Phoenix, Arizona,
USA
Agent: **Cultivaust Pty Ltd**, Adelaide, SA

WHITE CLOVER
Trifolium repens

'Waverley' Application No 95/020 Accepted 24 Jan 1995
Applicant: **SA Seedgrowers Co-operative Limited**,
Hilton, SA

DESCRIPTIONS

ALSTROEMERIA
Alstroemeria aurea

'Andes' Application No: 93/267 Accepted: 13 Dec 1993
Applicant: **Konst Alstroemeria BV**, Nieuwveen, The
Netherlands
Agent: **Maxiflora Pty Ltd**, Monbulk, Vic.

Description (Table 1 Fig 1) Plant: tall stems, medium thickness, foliage medium density. Leaf: straight, narrow elliptic, short, medium breadth. Inflorescence: medium number of medium length umbels and medium length pedicels. Flower: mainly purple pink, medium size, medium tepal spread. Outer tepals obovate, few stripes, red purple (RHS 72C) RHS 64B apex, white (RHS 155B) base. Inner tepals narrow obovate, red purple (RHS 72C) apices, white (RHS 155B) centre and base with medium number of medium to large stripes. Filaments red purple without spots, anthers grey brown, ovaries lack anthocyanin, styles yellow green; stigma red purple lacks spots.

Origin Controlled pollination: Two butterfly types of *Alstroemeria*. Breeder: Konst *Alstroemeria*, Nieuwveen, Holland. Selection criteria: flower colour. Propagation: tissue culture.

Comparative Trials Comparators: 'Sydney', 'Stalan'. Location: Wageningen, Holland. Conditions: flower descriptions based on plants growing in red kraznozem soil in a multispan glasshouse in Monbulk, Vic. Flowers cut in bud and transported to Devon Meadows, Vic. Placed in a solution of 5% sugar and 1 ml/L chlorine bleach. Flowers assessed five days later.

Prior Applications and Sales Applied Japan 1993

Description : David Nichols, Devon Meadows, VIC

Table 1 *Alstroemeria* Varieties

	'Andes'	'Sydney'	'Stalan'
STEM			
Height	tall	medium	medium
Thickness	medium	medium	medium to thick
LEAF			
Length	short	medium	long
Thickness	medium	medium	very broad
Longitudinal axis of blade	straight	recurved	recurved
UMBEL BRANCH LENGTH			
	medium	short	medium
PEDICEL LENGTH			
	medium	short	medium
OUTER TEPAL			
Main Colour	red purple	red purple	red purple
RHS	72C and 64B	70-71B	64D
Stripes	present	absent	absent
Stripe number	very few		
INNER LATERAL TEPAL			
Tepal shape	narrowly obovate	obovate	narrowly obovate
Number of stripes	medium	few	medium

Table 1 *Alstroemeria* Varieties - continued

Stripe	medium	medium	medium
Thickness	to large		
Yellow colour	pale	present	present
OTHER FLOWER CHARACTERISTICS			
Filament colour	red purple	red purple	purple pink
Anther colour	grey brown	yellow green	purple
Style colour	yellow green	red purple	purple red
Anthocyanin in ovary	absent	medium	medium

'Cobra' Application No: 93/268 Accepted: 13 Dec 1993
Applicant: **Konst *Alstroemeria* BV**, Nieuwveen, Holland
Agent: **Maxiflora Pty Ltd**, Monbulk Vic

Description (Table 2 Figure 2) Plant: tall thick stems and medium foliage cover. Leaf: recurved, elliptic, medium length and breadth. Inflorescence: many short branches in umbel; very short pedicels. Flower: mainly red purple, medium size, tepals medium spread; outer tepals obovate, very few stripes, red purple (RHS 61B) green shades towards base; inner lateral tepals elliptic, red purple (RHS 61B), apices: yellow (RHS 6A) centres, base with medium to many, small to medium stripes; inner median tepal elliptic red purple (RHS 61B) apex and (RHS 61C) towards base, yellowish centre and medium number of small to medium stripes; filaments red purple without spots; anthers reddish; ovaries have very weak anthocyanin; stigma spotted.

Origin Controlled pollination: *Alstroemeria aurea* 'Sonja' by *Alstroemeria* 'Wilhelmina'. Breeder: Konst *Alstroemeria*, Nieuwveen, Holland. Selection criteria: flower colour. Propagation: tissue culture.

Comparative Trials Comparators: 'Zelpedo' and 'Stadutia'. Location: Wageningen, Holland. Conditions: Flower descriptions based on plants growing in red kraznozem soil in a multispan glasshouse in Monbulk, Vic. Flowers were cut in bud and transported to Devon Meadows, Vic, and placed in a solution of 5% sugar and 1 ml/L chlorine bleach. Flowers assessed five days later.

Prior Applications and Sales Applied for Japan Jun 93. First sold in Holland, 1993.

Description: David Nichols, Devon Meadows, VIC

Table 2 *Alstroemeria* Varieties

	'Cobra'	'Zelpedo'	'Stadutia'
STEM			
height	tall	medium	tall
thickness	thick	medium	medium
LEAF			
length	medium	medium	long
width	medium	medium	broad

Table 2 *Alstroemeria* Varieties - continued

UMBEL BRANCH LENGTH			
	short	medium	long
PEDICEL LENGTH			
	very short	medium	medium
OUTER TEPAL			
main colour	red purple	red purple	orange red
RHS	61B	64B-C	34A-44C
stripes	present	absent	present
stripe number	very few	many	
tepal shape	obovate	broadly obovate	obovate
INNER LATERAL TEPAL			
tepal shape	elliptic	obovate	narrowly obovate
number of stripes	medium	many	many
stripe thickness	small to med	thick	thick
OTHER FLOWER CHARACTERISTICS			
filament colour	red purple	pink	orange red
anther colour	reddish	grey	dark red brown
style colour	red purple	pink	orange red
stigma spots	present	absent	present
anthocyanin in ovary	weak	medium	weak

'Minerva' Application No: 93/266 Accepted: 13 Dec 1993
Applicant: **Konst Alstroemeria BV**, Nieuwveen, Holland
Agent: **Maxiflora Pty Ltd**, Monbulk, Vic

Description (Table 3 Figure 3) Plant: tall, thick stems and medium to dense foliage. Leaf: straight, elliptic, short-medium breadth. Inflorescence: medium number and length of umbels, medium pedicels. Flower: mainly light red purple, medium size with medium to large spread of tepals; outer tepals broad obovate, very few stripes, pale red purple (RHS 72C), RHS70 BC apex, white RHS 155D base; inner lateral tepals obovate, with red purple (RHS 70C) apices and yellow (RHS 12A) centres and base with medium number of medium to large stripes; inner median tepal pale red purple (RHS 70C) apex, yellow centre and white base; filaments green white without spots; anthers greyed yellow; ovaries weak anthocyanin; styles green white; stigma lacks spots.

Origin Controlled pollination: orchid type *Alstroemeria* by butterfly type *Alstroemeria*. Breeder: Konst Alstroemeria, Nieuwveen, Holland. Selection criteria: flower colour. Propagation: tissue culture.

Comparative Trials Comparators: 'Stalbel' and 'Stabelstri'. Location: controlled conditions, Wageningen, Holland. Flower descriptions based on plants growing in red kraznozem soil in a multispan glasshouse, Monbulk, Vic. Flowers cut in bud and transported to Devon Meadows, Vic, and placed in a solution of 5% sugar and 1 ml/L chlorine bleach. Flowers assessed five days later.

Prior Applications and Sales Applied for Japan Nov 1993. First sold in Holland Nov 1993.

Description: **David Nichols**, Devon Meadows, VIC

Table 3 *Alstroemeria* Varieties

	'Minerva'	'Stalbel'	'Stabelstri'
STEM			
height	tall	medium	medium
thickness	thick	medium	medium
LEAF			
length	short	long	long
thickness	medium	broad	broad
longitudinal axis of blade	straight	recurved	recurved
UMBEL BRANCH LENGTH			
	medium	short	medium
PEDICEL LENGTH			
	medium	short	medium
OUTER TEPAL			
main colour	red purple	red purple	red purple
RHS	72C & 64B	70-71B	64D
stripes	present	absent	absent
stripe number	very few		
INNER LATERAL TEPAL			
tepal shape	narrowly obovate	obovate	narrowly obovate
number of stripes	medium	few	medium
stripe thickness	medium to large	medium	medium
OTHER FLOWER CHARACTERISTICS			
filament colour	red purple	red purple	purple pink
anther colour	grey brown	yellow green	purple
style colour	yellow green	red purple	purple red
anthocyanin in ovary	absent	medium	medium

AMERICAN JOINTVETCH

Aeschynomene americana

'Lee' syn. **'CPI 93574'** Application No: 92/126 Accepted: 1 Dec 1992

Applicant: **The State of Queensland through its Department of Primary Industries**
Agent: **Southedge Seeds Pty Ltd**, Mareeba, QLD

Description (Table 4 Figure 4) Plant: small perennial shrub mean height 100cm width 250cm, pinnate leaves, inserted alternately. Stems: hollow, often purplish when young, dense radiating hairs, older stems woody, may exceed 20mm diameter. Leaf: pinnate, up to 36 linear pinnae/leaflet. Pod: dense pubescence on convex surface, up to 8 segments, separating at maturity. Flowering: May in SE QLD in first season, less synchronous later.

Flower: yellow orange, mean diameter 7.8mm. Individual seed mass is 2mg.

Origin Selected from 126 accessions of *Aeschynomene americana*. Breeder: Harry Bishop, QDPI, Mackay. Selection criteria: perenniality, adaptability and productivity.

Comparative Trials Comparator: 'Glenn'. Location: DPI QLD, Gympie. Conditions: Tube stock established 24 Dec 1991, 2 reps x 10 plants transplanted 20 Jan 1992, 1.5m apart to plastic mulched area in completely randomised array. Selection criteria: perenniality (no. of plants surviving 16 Nov 1992).

Description: **Bruce Cook, DPI**, Gympie, QLD.

Table 4 *Aeschynomene* Varieties

	'Lee' Gen 1	Gen 2	'Glenn'
PLANT HEIGHT (cm)			
mean	105	90	173
range	40-200	40-140	140-220
PLANT WIDTH (cm)			
mean	238	265	193
range	160-280	130-360	140-260
FLOWER - STANDARD LENGTH (mm)			
mean	7.6	7.6	5.6
range	4.5-9.9	5.9-9.4	4.2-7.0
FLOWER - STANDARD WIDTH (mm)			
mean	6.3	6.3	5.1
range	4.6-7.6	4.6-7.8	3.4-6.2
FLOWER - LOWER CALYX LOBE LENGTH (mm)			
mean	5.0	5.0	4.0
range	3.2-6.2	3.2-6.1	2.8-5.5
COROLLA COLOUR (RHS)			
standard - margin	orange (26B)		red purple (70C)
- midzone	red (53A)		red purple (71A)
- centre	yellow (7B)		yellow (7B) to yellow green (154D)
- veins	red (53A)		red purple (71A)
- wings	yellow orange (23C) to orange (26B) tinged with red (53A) at base		red purple (69A,62C) to greyed purple (186) to red purple (71A) at base
- keel	orange (26B) tip, grading to red (53A) body and yellow green (154D) base		red purple (71A) grading to white base

Table 4 *Aeschynomene* Varieties - continued

SEED SIZE (g/100seeds)			
mean of 3 samples	0.21		0.29
from 5 seedlots			
range	0.20-0.22		0.28-0.30
PLANT SURVIVAL (%)			
24.12.91 -	80	97	3
6.11.92			

APPLE

Malus domestica

'Pink Rose' Application No: 93/140

Accepted: 9 Jun 1993

Applicant: **JA & BM Bowden & Sons**, Batlow, NSW

Description (Table 5 Fig 5) Plant: spreading, precocious, medium vigorous tree. One year shoots, thin, moderate pubescence, internode length, number of lenticels and bud pubescence. Leaves: outward pose, long and medium wide blade; medium blade length/width ratio, upper side glossy and petiole length leaf blade; margins serrate. Fruit stalk: medium diameter and length. Ribbing: absent or very weak. Lenticel: large, prominent. Flower: large diameter, petal margins free-touching. Fruit: yellow with deep pink red overcolour; flesh firm; ripening last week of April. Fruit: large, ellipsoid-conical to oblate, medium crowning at distal end; fruit eye aperture closed, medium size, deep, broad eye basin; sepals: medium length, touching at base; stalk cavity deep, medium width; surface hammered, some greasiness, no bloom, yellow with deep pink red overcolour faded, russet absent or very weak located around stalk cavity; flesh: cream, fine-medium texture, medium juiciness; cross-section; closed aperture of locules.

Origin Mutation of 'Pink Lady' from four trees planted in 1989. Breeder: Bowden and Sons, "Bago" Orchard, Batlow, NSW. Selection criteria: medium vigour, spreading, early maturity, more pink red overcolour.

Comparative Trials Comparator: 'Pink Lady' ('Lady William' x 'Golden Delicious'). One year nursery trees, MM106 rootstocks in two groups of ten trees spaced 4.5 x 2.0m in adjacent sections of a single row in non-randomised block design, planted Tumut Valley, NSW Jul 1992. Alluvial sandy clay loam soil. Trees unpruned and supported by a light post, wire trellis trained to "informal central axis". Drip irrigated, calcium-ammonium nitrate 250kg/ha, standard pest and disease sprays. Measurements from ten randomly selected plant parts from ten trees.

Prior Applications and Sales Nil

Description by **Predo Jotic, Dept of Primary Industry & Fisheries, TAS**

Table 5 Apple Varieties

	'Pink Rose'	'Pink Lady'
TREE VIGOUR	medium	strong

Table 5 Apple Varieties - continued

GIRTH (cm)		
mean	15.70	17.35
LSD (0.01)/ significance	1.73	P≤0.01
TREE HABIT		
	spreading	upright
DORMANT ONE YEAR OLD SHOOT THICKNESS		
	thin	medium
DORMANT ONE YEAR OLD SHOOT THICKNESS (mm)		
mean	6.54	7.81
LSD (0.01)/ significance	0.661	P≤0.001
FRUIT: PROMINENCE OF RIBBING		
	absent or very weak	weak
FRUIT: THICKNESS OF STALK		
	medium	thin
FRUIT: LENGTH OF STALK		
	medium	long
FRUIT: GROUND COLOUR OF SKIN		
	yellow	green yellow
FRUIT: AMOUNT OF OVER COLOUR OF SKIN (RHS)		
	medium high 46C-45C	low medium
FRUIT: OVER COLOUR OF SKIN		
	deep pink red	light pink red
FRUIT: SIZE OF LENTICELS		
	large very prominent	large
FRUIT: FIRMNESS OF FLESH		
	firm	firm
PENETROMETER READING (kg) 11 May 1994		
mean	9.12	7.67
TIME OF FRUIT RIPENING FOR EATING		
	very late (last week in Apr)	very late (first week in May)

BARLEY*Hordeum vulgare*

'Morrell' syn. '82SN:513', '82S953-5' Application No: 93/230 Accepted: 21 Oct 1993
Applicant: **The Chief Executive Officer, Department of Agriculture, Perth, WA**

Description (Fig 6 & Table 6) Plant: naked grained, Spring barley; straw strength equal to 'Moondyne'. Resistant to powdery mildew, moderate resistance to spot-type net blotch, moderate susceptibility to scald, takeall and net-type net blotch; tolerant to herbicides, except metribuzin.

Origin

Pedigree: 'WUM221'/'P23822' ('815S06')/5/('81S1719') Forrest'/4/('80S564') 'Psaknon'/'Dampier'/'M19' ('76T11 1')/3/'Zephyr' by F2 progeny method; final controlled pollination 1982. Breeder: The Western Australian Barley Breeding Team. Selection criteria: naked grain, globe-shaped grain, quality and yield.

Comparative Trials Comparators: 'Stirling', 'O'Connor'. Location: S. Perth Jun 1993 - Dec 1993. Conditions: measurements from 100 specimens selected at random from 2,000 plants in complete blocks, in open beds.

Description: SA Morgan, Department of Agriculture, Perth WA

Table 6 Barley Varieties

	'Morrell'	'Stirling'	'O'Connor'
PLANT HABIT (1=erect, 9=prostrate)	5	1	3
FLAG LEAF ATTITUDE (1=rectilinear, 9=v.strongly recurved)	7	3	3
AURICLE ANTHOCYANIN INTENSITY (1=absent, 9=v.strong)	7	4	1
EAR EMERGENCE (1=v.early, 9=v.late) and days to flowering.	5 78 days	4 early 68 days	4 early 71 days
AWN ANTHOCYANIN (scale: 1=absent, 9=present) 9=present	9=present	9=present	1=absent
AWN ANTHOCYANIN INTENSITY (1=v.weak, 9=v.strong)	7	8	1
EAR GLAUCOSITY (1=absent, 9=v.strong)	1	5	7
HEIGHT (scale: 1=v.short, 9=v.long) and average height.	5=medium 55cm	5=medium 62cm	5=medium 50cm
EAR DENSITY (1=v.lax, 9=v. dense)	6	4	5
AWN LENGTH TO EAR (1=shorter, 3=longer)	2	3	3
RACHIS, CURVATURE OF FIRST SEGMENT (1=absent, 9=v.strong)	3	5	5
RACHIS, HUMPING OF MID.SEGMENTS (1=absent, 9=v.strong)	3	4	3

Table 6 Barley Varieties - continued

STERILE SPIKLET, ATTITUDE (1=parallel, 3=divergent)	2	3	3
STERILE SPIKLET, LENGTH OF LEMMA (1=v.short, 9=v.long)	3	7	6
STERILE SPIKLET, TIP SHAPE (1=pointed, 3=square)	2	3	2
LENGTH OF GLUME & AWN, TO GRAIN (1=shorter, 3=longer)	1	2	2
RACHILLA HAIR LENGTH (1=short, 2=long)	1	2	1
GRAIN HUSK (1=absent, 9=present)	1	9	9
ANTHOCYANIN COLOUR OF LEMMA NERVES (1=absent, 9=v.strong)	1	5	1

BLUSHING BRIDE*Serruria florida***'Superb Blush'** Application No: 93/208

Accepted: 29 Sep 1993

Applicant: **Proteafloora Enterprises Pty Ltd**, Monbulk, Vic

Description (Table 7 & Fig 7) Plant: tall, late flowering; flowering stems robust, mean diameter 7mm 15cm from base. Leaf: rhomboid, sparsely branched into a mean 27 terminal terete segments. Flowering late, Nov-Dec, in Vic. Inflorescence: tall, height with peduncle 96mm, erect to semi-pendulous, broad. Peduncle: long with reflexing bracts of diminishing size along length. Inner involucre bracts: narrow-elliptic, white (RHS 155), mean length 41cm.

Origin Selection following open pollination. Selection criteria: large flower size, long stems. Propagation: cuttings.

Comparative Trials Comparators: *Serruria florida* cv 'K2', *Serruria florida* x *rosea* 'Sugar n Spice' PVR 122. Conditions: cuttings propagated May 1993; potted Aug 1993 to 14cm pots, commercial potting mix, slow release fertiliser; groups of 15 unpruned plants in RCB prior to flowering, May 1994; 15 plants sampled on 25 Oct 94; stem diameter and leaf measurements from 15cm above base of the tallest stem, inflorescence characters from the tallest stem and measurements from the uppermost intact inflorescence.

Prior Applications and Sales NilDescription: **Paul Armitage**, **Proteafloora Enterprises Pty Ltd**, Monbulk VicTable 7 *Serruria* Varieties

	'Superb Blush'	'Sugar n Spice'	'K2'
PLANT HEIGHT (cm)			
mean	58.1	47.9	47.7
LSD (0.01)/significance	4.0	P<0.01	P<0.01
STEM DIAMETER (mm)			
mean	6.7	6.0	5.8
LSD (0.01)/significance	0.8	NS	P<0.01
LEAF LENGTH (mm)			
mean	78.6	59.0	75.3
LSD (0.01)/significance	5.7	P<0.01	NS
TERETE TERMINAL SEGMENTS/LEAF			
mean	26.9	39.3	33.2
LSD (0.01)/significance	6.0	P<0.01	P<0.01
INFLORESCENCE NUMBER/STEM			
mean	2.3	10.9	5.4
LSD (0.01)/significance	2.6	P<0.01	P<0.01
INFLORESCENCE DIAMETER (mm)			
mean	66.3	42.7	52.9
LSD (0.01)/significance	2.5	P<0.01	P<0.01
INFLORESCENCE HEIGHT INCLUDING PEDUNCLE (mm)			
mean	96.5	70.3	75.7
LSD (0.01)/significance	5.8	P<0.01	P<0.01
LENGTH OF INNER INVOLUCRAL BRACTS (mm)			
mean	41.0	29.9	35.3
LSD (0.01)/significance	1.6	P<0.01	P<0.01
SHAPE OF INNER INVOLUCRAL BRACTS	narrow elliptic	elliptic	narrow elliptic
BACKGROUND COLOUR OF INVOLUCRAL BRACTS (RHS)	white	red purple	white
	155C	62A	155C
DIAMETER OF UNOPENED FLOWER MASS (mm)			
average	14.0	3.7	6.5
LSD (0.01)/significance	2.8	P<0.01	P<0.01

COTTON*Gossypium hirsutum***'CS 8S'** Application No: 94/080 Accepted: 30 Mar 1994Applicant: **CSIRO Division of Plant Industry, Cotton Research Unit**, Narrabri, NSW

Description (Table 8 Figure 8) Plant: erect, medium statured, early maturing; Delta-smooth hairiness of leaves and stems. Leaf: normal (palmate). Peduncle short 21.8mm; bracts narrow 28.9mm, lint percentage 39.99 %.

fibre length 1.135in, fibre strength 27.41g/tex, micronaire 3.90. Bacterial blight resistance; *Verticillium* good tolerance.

Origin Controlled pollination: F1 'Deltapine Acala 90' x '75007-3' by F1 'Deltapine Acala 90' x 'Tamcot SP37H'. Breeder: PE Reid, Narrabri Agricultural Research Station, Narrabri, NSW. Selection criteria: plant habit, resistance to bacterial blight and *Verticillium* wilt, Delta-smooth stem and leaf hairiness, early maturity and fibre quality.

Comparative Trials Comparators: 'CS7S', 'Sicala V-1'. Location: Narrabri Agricultural Research Station, 1993/94. Conditions: measurements for morphology from 20 plants of 500 field grown plants. Lint percentage and fibre quality data from 12 trial sites in 1992/93 and 1993/94.

Prior Applications and Sales Nil

Description: Peter Reid, CSIRO, Cotton Research Unit, Narrabri, NSW

Table 8 Cotton Varieties

	'CS 8S'	'CS 7S'	'Sicala V-1'
PLANT HEIGHT(cm)			
mean	80.0	72.3	74.6
LSD (0.01)/significance	7.85	P≤0.05	NS
FRUIT BRANCH NODE 2(mm)			
mean	47.4	34.1	63.5
LSD (0.01)/significance	17.42	P≤0.05	P≤0.05
PEDUNCLE LENGTH(mm)			
mean	21.8	20.2	27.1
LSD (0.01)/significance	3.80	NS	P≤0.001
BRACT WIDTH(mm)			
mean	28.9	34.7	40.6
LSD (0.01)/significance	4.48	P≤0.01	P≤0.001
LINT %			
mean	39.99	38.47	38.28
LSD (0.01)/significance	0.405	P≤0.001	P≤0.001
FIBRE LENGTH(ins)			
mean	1.135	1.125	1.185
LSD (0.01)/significance	0.0081	P≤0.01	P≤0.001
FIBRE STRENGTH(g/tex)			
mean	27.41	28.62	29.31
LSD (0.01)/significance	0.561	P≤0.001	P≤0.001
FIBRE EXTENSION %			
mean	6.21	6.21	6.02
LSD (0.01)/significance	0.175	NS	P≤0.01
MICRONAIRE VALUE			
mean	3.90	4.24	3.83
LSD (0.01)/significance	0.097	P≤0.001	NS

Table 8 Cotton Varieties - continued

MATURITY RATIO			
mean	0.916	0.973	0.893
LSD (0.01)/significance	0.0164	P≤0.001	P≤0.001
FINENESS (millitex)			
mean	156.5	164.8	156.4
LSD (0.01)/significance	3.03	P≤0.001	NS

COTTON

Gossypium hirsutum

'Sicala V-2' Application No: 94/078

Accepted: 30 Mar 1994

Applicant: CSIRO Division of Plant Industry, Cotton Research Unit, Narrabri, NSW

Description (Table 9 Figure 9) Plant: medium stature; Delta-smooth hairiness of leaves and stems. Leaf: dark green, normal (palmate). Second internode of third fruiting branch 44.8mm. Bract: width 38.5mm. Lint: lint percentage 39.29%, fibre strength 29.30g/tex, micronaire 3.86. Bacterial blight resistance; *Verticillium* wilt good tolerance.

Origin Controlled pollination of 'Deltapine Acala 90' x '75007-3' by F1 'Deltapine Acala 90' x 'Tamcot SP37H'. Breeder: PE Reid, Narrabri Agricultural Research Station, Narrabri, NSW. Selection criteria: plant habit, resistance to bacterial blight and *Verticillium* wilt, Delta-smooth stem and leaf hairiness, fibre quality.

Comparative Trials Comparators: 'CS 50', 'Sicala V-1'. Location: Narrabri Agricultural Research Station, 1993/94. Conditions: Measurements for morphology from 20 plants selected at random from 500 field grown plants. Lint percentage and fibre quality data from 12 trials in 1992/93 and 1993/94.

Prior Applications and Sales Nil

Description: Peter Reid, CSIRO, Cotton Research Unit, Narrabri, NSW

Table 9 Cotton Varieties

	'Sicala V-2'	'Sicala V-1'	'CS 50'
FRUIT BRANCH NODE 2(mm)			
mean	44.8	63.5	46.7
LSD (0.01)/significance	17.42	P≤0.01	NS
BRACT WIDTH(mm)			
mean	38.5	40.6	29.8
LSD (0.01)/significance	4.48	NS	P≤0.001
LINT %			
mean	39.29	38.28	40.42
LSD (0.01)/significance	0.405	P≤0.001	P≤0.001

Table 9 Cotton Varieties - continued

FIBRE STRENGTH(g/tex)			
mean	29.30	29.31	28.21
LSD (0.01)/significance	0.561	NS	P≤0.001
MICRONAIRE VALUE			
mean	3.86	3.83	3.74
LSD (0.01)/significance	0.097	NS	P≤0.01
MATURITY RATIO			
mean	0.921	0.893	0.937
LSD (0.01)/significance	0.0164	P≤0.001	P≤0.05
FINENESS (millitex)			
mean	154.3	156.4	145.9
LSD (0.01)/significance	3.03	NS	P≤0.001

COTTON*Gossypium hirsutum***'Siokra V-15'** Application No: 94/079

Accepted: 30 Mar 1994

Applicant: **CSIRO Division of Plant Industry, Cotton Research Unit**, Narrabri, NSW

Description (Table 10 Figure 10) Plant: medium statured, Delta-smooth hairiness of leaves and stems. Leaf: dark green, okra (digitate), wide main leaflet (42.5mm). Short first internode on third fruiting branch three 77.6mm, peduncles long 27.5mm, wide bracts 35.8mm: lint percentage 38.39%, high fibre strength 29.40g/tex. Bacterial blight resistance; *Verticillium* wilt good tolerance.

Origin Controlled pollination of 'Sicala V-1' by 'Siokra 1-4'. Breeder: PE Reid, Narrabri Agricultural Research Station, Narrabri, NSW. Selection criteria: plant habit, resistance to bacterial blight and *Verticillium* wilt, leaf shape, Delta-smooth stem and leaf hairiness, fibre quality.

Comparative Trials Comparator: 'Siokra 1-4'. Location: Narrabri Agricultural Research Station, 1993/94. Conditions: Measurements for morphology from 20 plants of each variety selected at random from 500 field grown plants. Lint percentage and fibre quality data from 12 trial sites in 1992/93 and 1993/94.

Prior Applications and Sales NilDescription: **Peter Reid, CSIRO, Research Cotton Unit**, Narrabri, NSW**Table 10 Cotton Varieties**

	'Siokra V-15'	'Siokra 1-4'
FRUIT BRANCH NODE 1(mm)		
mean	77.6	103.1
LSD (0.01)/significance	23.24	P≤0.01

Table 10 Cotton Varieties - continued

PEDUNCLE LENGTH(mm)		
mean	27.5	20.0
LSD (0.01)/significance	3.80	P≤0.001
BRACT WIDTH(mm)		
mean	35.8	28.0
LSD (0.01)/significance	4.48	P≤0.001
LEAFLET WIDTH(mm)		
mean	42.5	32.2
LSD (0.01)/significance	5.33	P≤0.001
LINT %		
mean	38.39	39.64
LSD (0.01)/significance	0.405	P≤0.001
FIBRE UNIFORMITY INDEX(%)		
mean	85.28	84.42
LSD (0.01)/significance	0.316	P≤0.001
FIBRE STRENGTH(g/tex)		
mean	29.40	27.33
LSD (0.01)/significance	0.561	P≤0.001
FIBRE EXTENSION %		
mean	6.11	6.52
LSD (0.01)/significance	0.175	P≤0.001
FIBRE FINENESS (millitex)		
mean	141.8	145.6
LSD (0.01)/significance	3.03	P≤0.01

CRESTED HAIR-GRASS*Koeleria cristata***'Barkoel'** Application No: 93/270 Accepted: 5 Jan 94
Applicant: **Barenbrug Holland BV**, Osterhout, Gld, The NetherlandsAgent: **NZ Agriseeds Limited C/-Heritage Seeds Pty Ltd**, Bayswater, Vic

Description (Table 11 & Fig 11) Plant: turf grass, grows well in low nitrogen soils and withstands dry conditions, height 43.0cm panicle length 53mm, late maturity, dark leaves.

Origin Controlled pollination of six selected parent lines of *Koeleria cristata* collected in the United Kingdom in 1973. Bred by Barenbrug Holland BV, The Netherlands. Selection criteria: good turf characteristics, growth under dry conditions and low fertility.

Comparative Trials 'Barkoel' compared with wild-type. Data from USA application. Trials conducted in the Netherlands 1983-85.

Prior Applications Granted as 'Barkoel' in USA (1987), NZ (1992) and Holland (1990). 'Barkoel' first sold in Switzerland 1990.

Description: **Frances Wilson, NZ Agriseeds Limited**, Christchurch, NZ.

Table 11 Koeleria Varieties

	'Barkoel'	'Wild-type'
PLANT HEIGHT AT MATURITY (cm)	43.0	47.0
WINTER LEAF COLOUR (1=light, 9=dark)		
mean	6.7	5.0
LSD/	1.2	P<0.01
significance		
DATE AT FIRST ANTHESIS (12 May, average over three years)	+ 5 days	0
PANICLE LENGTH (mature plant) (mm)	53	41

DESMANTHUS*Desmanthus virgatus*

'Marc' syn. 'CPI 78373' Application No: 92/062
Accepted: 19 May 1992

Applicant: **The State of Queensland through its Department of Primary Industries,**
Agent: **Wright Stephenson Seeds, Brisbane, QLD**

Description (Table 12 Fig 12) Plant: low growing, spreading, woody perennial, about 60cm high and 240cm diameter. Stem: diameter 3-6mm, sparsely pubescent, green when young, becoming glabrous and brown with age. Leaf: bipinnate, petiole 2-4mm long, primary rachis 9-21mm long, bearing 2-4 pairs of pinnae up to 29mm long, each with 13-19 pairs of oblong pinnules 4-8mm long and 1-3mm wide; a yellow green orbicular, sessile, crateriform gland on petiole between and slightly below the lower pair of pinnae; persistent filiform stipule to 8mm long. Inflorescence: solitary axillary pale green-cream head with 7-13 perfect flowers; petals and sepals acute with pale green tips. Fruiting peduncles 16-43mm long, 7-9 pods/peduncle. Pod: smooth, 2-valved, flat, linear, straight to slightly falcate, 36-64mm long, 3-4mm wide, pale green when immature and mid-brown when ripe, containing 18-28 seeds. Seed: mid to dark brown, flattened, ovate, 2.1-3.6mm long, 1.4-2.3mm wide, mean mass 4.0mg.

Origin Selection from Argentinian introduction. Breeder: Officers of DPI QLD. Selection criteria: persistence, productivity, early flowering. Commercial seed production in isolation blocks.

Comparative Trials Comparators: 'Bayamo' and 'Uman'. Location: DPI QLD Research Station, Roma, QLD, Aug 1991-Jul 1992. Conditions: measurements from 12 plants max. from 3 replications, completely randomised array; plants established in 2.5 x 15cm dibbling tubes in nutrient enriched peat vermiculite inoculated with *Rhizobium* CB 1397; transplanted to woven plastic mulch over dark cracking clay; spacing 0.8 x 1.0m ('Marc' and 'Bayamo') and 1.2 x 2m ('Uman'); trickle irrigated. Seed proteins characterised by SDS PAG electrophoresis.

Prior Applications and Sales Nil

Description: **Bruce Cook, Gavin Graham and Carla Schefe, DPI QLD**

'Bayamo' syn. 'CPI 82285' Application No: 92/063
Accepted: 19 May 1992

Applicant: **State of Queensland through its Department of Primary Industries, Agent Wright Stephenson Seeds, Brisbane, QLD**

Description (Table 12 Fig 12) Plant: spreading, semi-erect shrub to 140cm high and 220cm diameter. Stem: diameter 5-11mm, sparsely pubescent, green-red when young, maturing to glabrous, brown. Leaf: bipinnate, petiole 4-8mm long, primary rachis 25-56mm long, with 5-8 pairs of pinnae up to 40mm long with 16-35 pairs of linear oblong pinnules 4-8mm long and 1-2mm wide; gland: red orbicular to elliptic, sessile, crateriform gland on petiole between and slightly below the lower pair of pinnae; stipule: persistent filiform, to 8mm long. Inflorescence: solitary axillary pale green-cream head with 8-15 flowers; petals and sepals: acute, red tipped. Fruiting peduncles: 22-44mm long, 5-10 pods per peduncle. Pod: smooth, 2-valved, flat, linear, straight to slightly falcate, 43-63mm long, 3-4mm wide, green to red when immature, and light to dark brown when ripe, containing 14-23 seeds. Seed: mid-brown, flattened, ovate, 2.4-3.3 long, 1.6-2.4mm wide, mean mass 4.0mg.

Origin Selected from Cuban accessions. Breeder: Officers of DPI QLD. Selection criteria: persistence, productivity, flowering time. Commercial seed will be produced in isolation blocks.

Comparative Trial Comparators: 'Marc' and 'Uman'. Location: DPI QLD Research Station, Roma, QLD, Aug 1991-Jul 1992. Conditions: measurements from 12 plants max. from 3 replications, completely randomised array. Plants established in 2.5 x 15cm dibbling tubes in nutrient enriched peat vermiculite inoculated with *Rhizobium* CB 1397. Transplanted to woven plastic mulch over dark cracking clay; spacing 0.8 x 1.0m ('Marc' and 'Bayamo') and 1.2 x 2m ('Uman'), trickle irrigated. Seed proteins characterised by SDS PAG electrophoresis.

Prior Applications and Sales Nil

Description: **Bruce Cook, Gavin Graham and Carla Schefe, DPI, QLD**

'Uman' syn. 'CPI 92803', 'TQ 94' Application No: 92/064 Accepted: 19 May 1992

Applicant: **State of Queensland through its Department of Primary Industries**
Agent: **Wright Stephenson Seeds, Brisbane, QLD**

Description (Table 12 Fig 12) Plant: spreading shrub to 120cm high and 400cm in diameter. Stem: 4-8mm in diameter, sparsely pubescent, green to red when young, maturing to glabrous brown. Leaf: bipinnate, petiole 3-7mm long, primary rachis 17-39mm long, bearing 5-8 pairs pinnae up to 32mm long with 16 to 24 pairs of linear oblong pinnules 3-5mm long and about 1mm wide; gland: red orbicular to elliptic, sessile, crateriform gland on petiole between and slightly below the lower pinnae; occasional smaller glands placed between one or more of

upper pinnae; stipule persistent filiform, to 8mm long. Inflorescence: solitary axillary pale green-cream head with 9-20 perfect flowers; petals and sepals: acute, red upper portion. Fruiting peduncles: 20-43mm long with 6-15 pods per peduncle. Pod: smooth, 2 valved, flat, linear, mostly straight with some slightly falcate, 32-63mm long, 4-5mm wide, red or green when immature and mid-brown when ripe, with 12-17 seeds. Seeds light to mid-brown, flattened, ovate, 2.7-3.1mm long, 2.1-2.8mm wide, mean mass 4.4mg.

Origin Selection from Yucatan Peninsula, Mexico. Breeder: Officers of DPI QLD. Selection criteria: superior agronomic traits in statewide evaluations by DPI QLD. Commercial seed production in isolation blocks.

Comparative Trial Comparators: 'Marc' and 'Bayamo'. Location: DPI QLD Research Station, Roma, QLD, Aug 1991-Jul 1992. Conditions: measurements from 12 plants max. from 3 replications, completely randomised array. Plants established in 2.5 x 15cm dibbling tubes in nutrient enriched peat vermiculite inoculated with *Rhizobium* CB 1397. Transplanted to woven plastic mulch over dark cracking clay; spacing 0.8 x 1.0m ('Marc' and 'Bayamo') and 1.2 x 2m ('Uman'), trickle irrigated. Seed proteins characterised by SDS PAG electrophoresis.

Prior Applications and Sales Nil

Description: **Bruce Cook, Gavin Graham and Carla Scheffe, DPI, QLD**

Table 12 Desmanthus Varieties

	'Marc'		'Bayamo'		'Uman'	
	Gen1	Gen2	Gen1	Gen2	Gen1	Gen2
PLANT HEIGHT (cm)						
mean	38	40	117	109	71	57
std deviation	7	9	14	31	22	15
PLANT RADIUS (cm)						
mean	92	93	71	84	153	153
std deviation	11	13	11	15	18	24
LENGTH OF PETIOLE (mm)						
mean	2.9	3.2	6.2	6.1	4.6	4.6
std deviation	0.5	0.3	0.9	0.9	1.1	0.9
LENGTH OF RACHIS (mm)						
mean	14.3	14.9	39.0	36.1	26.3	27.1
std deviation	2.5	2.9	6.3	5.0	5.5	4.5
LENGTH OF LONGEST PINNA (mm)						
mean	22.4	23.5	32.8	30.8	19.1	18.9
std deviation	2.5	2.7	3.8	4.3	3.8	2.7
NUMBER OF PINNAE						
mean	6	6	12	12	14	14
range	4-8	4-8	10-16	10-16	10-16	12-16

Table 12 *Desmanthus* Varieties - continued

NUMBER OF PINNULES (longest pinna)						
mean	32	32	50	54	40	38
range	26-38	26-38	36-62	32-70	32-48	32-46
std deviation	3	3	7	8	5	4
PETIOLAR GLAND						
shape/colour	orbicular/ yellow green		elliptic/red		elliptic/red	
DIAMETER OF PETIOLAR GLAND (mm)						
mean	1.5	1.5	2.0	1.9	1.4	1.4
std deviation	0.2	0.2	0.3	0.3	0.2	0.2
PRESENCE OF RACHIAL GLANDS						
	not observed		very rare		common	
NUMBER OF PERFECT* FLOWERS PER INFLORESCENCE						
mean	10	10	12	11	15	14
range	7-13	7-12	8-14	9-15	12-20	9-19
std deviation	1.3	1.3	1.7	1.3	2.1	2.4
*some inflorescences also carry male and sterile flowers						
DIAMETER OF PETIOLAR GLAND (mm)						
mean	1.5	1.5	2.0	1.9	1.4	1.4
std deviation	0.2	0.2	0.3	0.3	0.2	0.2
COLOUR OF PETALS AND SEPALS						
	pale green tips		reddish tips		reddish tips	
COLOUR OF IMMATURE PODS						
	pale green		green or reddish		green or reddish	
NUMBER OF SEEDS PER POD						
mean	24	23	19	18	14	15
range	20-28	18-27	15-23	14-20	12-16	12-17
std deviation	2.2	2.2	2.4	1.7	1.0	1.5

DIASCIA

Diascia barberae

'Strawberry Sundae' Application No: 94/102

Accepted : 6 May 94

Applicant: **Protected Plants Promotions Australia Pty Ltd**, Macquarie Fields, NSW & **The University of Sydney, Plant Breeding Institute**, Cobby, NSW

Agent: **The University of Sydney, Plant Breeding Institute**, Cobby, NSW

Description (Table 13 and Fig 13) Plant: perennial, compact, hardy, short (25.9cm) basal branching. Leaf: green (RHS 189A), fleshy, opposite, decussate, weak serration, medium size (1.4cm long x 0.5cm wide). Flowering early Spring, profusely in Autumn. Flower: short petioles from small bracts carried on a raceme, pink (RHS 73A), medium length (1.9cm), upper central portion darkly pigmented, keel petal free of pigment spots. Commercial propagation: cuttings.

Origin Controlled pollination of *Diascia barberae* by 'Lilac Belle', 1992. Breeder: Graham N Brown, University of Sydney Plant Breeding Institute, Cobbity, NSW. Selection criteria: flower colour, basal branching, compactness, early flowering. Propagation: cuttings for 4 generations.

Comparative Trials Comparator: *Diascia barberae*. Location: University of Sydney, Plant Breeding Institute, Cobbity May 9-Oct 94. Conditions: measurements at flowering from 12 specimens grown at 100cm centres in an ungrouped randomised design. Plants in mulched soil, raised beds, open conditions, irrigated as required.

Prior Applications and Sales Nil

Description: **J D Oates, The University of Sydney, Plant Breeding Institute, Cobbity, NSW.**

Table 13 *Diascia* Varieties

	'Strawberry Sunda'	<i>D. barberae</i>
PLANT HEIGHT(cm)		
mean	25.9	35.7
LSD (0.01)/significance	2.55	P≤0.001
INTERNODE TERMINAL (cm)		
mean	1.83	3.41
LSD (0.01)/significance	0.72	P≤0.001
LEAF LENGTH TERMINAL (cm)		
mean	1.43	1.72
LSD (0.01)/significance	0.34	P≤0.05
LEAF WIDTH TERMINAL (cm)		
mean	0.54	0.46
LSD (0.01)/significance	0.10	P≤0.05
INFLORESCENCE LENGTH (cm)		
mean	12.03	15.87
LSD (0.01)/significance	2.73	P≤0.001
FLOWER LENGTH (cm)		
mean	1.92	2.52
LSD (0.01)/significance	2.41	P≤0.001
FLOWER WIDTH (cm)		
mean	1.92	2.23
LSD (0.01)/significance	2.27	P≤0.001
KEEL PETAL COLOUR (day 1) and (RHS)		
	red purple	red
	73A	48C
PIGMENT SPOTS ON KEEL PETAL		
	absent	present

LUCERNE

Medicago sativa

'Sceptre' syn. 'L 96' Application No: 92/097

Accepted: 26 Jun 1992

Applicant: **Minister of Agriculture, Adelaide, SA.**

Agent: **South Australian Research & Development Institute, Adelaide, SA**

Description Plant: moderately erect, fine leafy stems, large leaves. Flower: light to medium-dark violet, infrequently very pale violet (<3%). Pod: tightly coiled. Seed: medium-large.

Origin Selection from interpollinated clones. Breeder: I D Kaehne, Adelaide, SA. Selection criteria: high regrowth vigour, disease resistance, yield, stand persistence. Propagation: seed for 2 generations.

Comparative Trials Comparators: 'CUF101', 'Quadrella', 'Trifecta', 'Aurora'. Location: Northfield, Adelaide May 1992-Dec 1994. Conditions: measurements from 100 specimens randomly selected from 120 plants in randomized complete blocks. Plants in open beds, 40cm apart in rows 50cm apart.

Prior Applications and Sales 'Sceptre' first sold in Australia in 1993.

Description: **E. Kobelt, South Australia Research & Development Inst. SA**

Table 14 *Medicago* Varieties

	'Sceptre'	'CUF101'	'Quadrella'	'Trifecta'	'Aurora'
PLANT HABIT (1=prostrate, 9=erect)	7	8	6	6	6
PLANT HEIGHT (cm) 8 May 1992					
mean	37.7	41.3	33.9	33.1	30.9
LSD (0.05)	3.16	P≤0.05	P≤0.05	P≤0.05	P≤0.05
PLANT HEIGHT (cm) 17 Jul 1992					
mean	28.2	34.1	22.0	22.5	22.8
LSD (0.01)	3.74	P≤0.01	P≤0.01	P≤0.01	P≤0.01
PLANT HEIGHT (cm) 26 Aug 1992					
mean	44.9	50.9	38.6	39.0	38.5
LSD (0.01)	5.63	P≤0.01	P≤0.01	P≤0.01	P≤0.01
PLANT HEIGHT (cm) 16 Oct 1992					
mean	48.8	52.1	44.5	44.5	43.2
LSD (0.01)	2.83	P≤0.01	P≤0.01	P≤0.01	P≤0.01
LEAFLET WIDTH (mm) 29 Oct 1992					
mean	16.4	17.5	15.5	14.9	15.7
LSD (0.05)	1.45	NS	NS	P≤0.05	NS
CROWN SIZE (9 months old) (1=narrow, 9=broad)					
	4	3	4	5	6

Table 14 *Medicago* Varieties - continued

CROWN SIZE (26 months old) (1=narrow, 9=broad)					
	5	4	4	5	5
SEED WEIGHT (g/1000 seeds) 11 Mar 1993					
mean	2.61	2.66	2.55	2.55	2.35
LSD (0.05)/ Significance	0.11	NS	NS	NS	P≤0.05
YIELD DRY WEIGHT (g/plant) of spaced plants 6 Nov 1992					
mean	111	97	101	95	95
LSD (0.05)/ Significance	15.5	NS	NS	P≤0.05	P≤0.05
FREQUENCY OF SEMI-PROSTRATE PLANTS (%) (HABIT≤4)					
	7	0	12	17	17
FREQUENCY OF PLANTS WITH DARK VIOLET FLOWERS (%) (Colour>RHS 86D, 88C)					
	20	15	33	32	21
TIME OF FIRST FLOWERING (1=very early, 9=very late)					
	5	4	3	5	6
PROFUSENESS OF FLOWERING (1=very sparse, 9=very profuse)					
	6	5	7	6	7

MARGUERITE DAISY*Argyranthemum frutescens*

'Sugar Baby' Application No: 93/141

Accepted: 11 Jun 93

Applicant: **Protected Plants Promotions Australia Pty Ltd**, Macquarie Fields, NSW & **The University of Sydney, Plant Breeding Institute**, Cobbity, NSW.Agent: **The University of Sydney, Plant Breeding Institute**, Cobbity, NSW.

Description (Table 15 and Fig 14). Plant: very compact, mean height 35.5cm, mean diameter 56.8cm. Leaf: fleshy, bipinnatisect, acute leaf base, approx. 50.5mm long, 17.0mm wide at maturity, upper leaf surface green (RHS 138A), lower leaf surface green (RHS 137C). Massed early, continuous single white flowers, diameter 22.0-32.0mm; disc yellow close to RHS 17A of tubular disc florets; ray florets straight longitudinal axis, dentate tip close to RHS 155D. Commercial propagation: cuttings. Propagation: cuttings through four generations.

Origin Controlled pollination of 'Frosty' (seed parent) by '90003', 1991. Breeder: Thomas M Cunneen, University of Sydney Plant Breeding Institute, Cobbity, NSW. Selection criteria: early, profuse flowering, compact growth habit.

Comparative Trials Comparator: 'Frosty'. Location: University of Sydney Plant Breeding Institute, Cobbity May 94-Sep 94. Conditions: measurements from 10 specimens selected at random from 50 plants arranged at 60cm centres in an ungrouped randomised design. Plants in mulched soil, raised beds, open conditions, irrigated as required.

Prior Applications and Sales PVR Pending in 1994 as 'Sugar Baby' in Denmark, France, Germany, Great Britain, Italy, Japan, NZ, South Africa, Sweden, The Netherlands and USA.

Description: **J D Oates, The University of Sydney, Plant Breeding Institute**, Cobbity, NSW.

Table 15 Marguerite Daisy Varieties

	'Sugar Baby'	'Frosty'
PLANT HEIGHT (cm)		
mean	35.5	48.8
LSD (0.01)/significance	3.91	P≤0.001
PLANT DIAMETER (cm)		
mean	56.8	51.2
LSD (0.01)/significance	4.45	P≤0.01
FLOWER DIAMETER (mm)		
mean	28.2	24.0
LSD (0.01)/significance	3.27	P≤0.001
LEAF COLOUR and RHS		
Upper Surface	green 138A	green 137A
LEAF COLOUR and RHS		
Lower Surface	green 137C	green 137A-137B
LEAF LENGTH (mm)		
mean	50.57	55.23
LSD (0.01)/significance	9.09	P≤0.05

'Summer Angel' Application No: 94/100

Accepted: 6 May 94

Applicant: **Protected Plants Promotions Australia Pty Ltd**, Macquarie Fields, NSW & **The University of Sydney, Plant Breeding Institute**, Cobbity, NSW.Agent: **The University of Sydney, Plant Breeding Institute**, Cobbity, NSW.

Description (Table 16 and Fig 15) Mid-sized, mean height 79.1cm, mean diameter 76.7cm. Leaves fleshy, bipinnatisect, acute leaf base, mean 84.3mm long and 29.3mm wide when mature, upper leaf colour grey green, close to RHS 189A, lower leaf surface close to RHS 137B. Flower: semi-anemone, large, mean diameter 48.8mm; flower centre of petaloid/tubular disc florets mean diameter 16.5mm clean, light yellow orange (RHS 14B) straight longitudinal axis, dentate tip; ray floret RHS155D.

Origin Controlled pollination: 'Rosalin' (seed parent) by '20045', 1992. Breeder: Thomas M Cunneen, University of Sydney Plant Breeding Institute, Cobbity, NSW. Selection criteria: early profuse, large flowers, compact growth. Propagation: cuttings for four generations. Commercial propagation: cuttings.

Comparative Trials Comparator: 'Compacta'. Location: University of Sydney Plant Breeding Institute, Cobbity May 94-Sep 94. Conditions: measurements taken from 10 specimens selected at random from 50 plants arranged at 90cm centres in an ungrouped randomised design. Plants in mulched soil, raised beds, open conditions, irrigated as required.

Prior Applications and Sales First sold in Australia in 1994.

Description: **J D Oates, The University of Sydney, Plant Breeding Institute, Cobbity, NSW**

Table 16 Marguerite Daisy Varieties

	'Summer Angel'	'Compacta'
PLANT HEIGHT (cm)		
mean	79.1	71.9
LSD (0.01)/significance	5.83	P≤0.01
LEAF THICKNESS	thin	medium
LEAF LENGTH (mm)		
mean	84.3	63.5
LSD (0.01)/significance	6.97	P≤0.001
FLOWER DIAMETER (mm)		
mean	48.8	31.3
LSD (0.01)/significance	2.60	P≤0.001
FLOWER TYPE	semi-anemone	single
DISC FLORET TYPE	petaloid/tubular	tubular
DISC COLOUR BEFORE ANTHET DEHISCENCE (RHS)		
	yellow orange 14B	yellow orange 17A
DISC COLOUR AFTER FULL ANTHET DEHISCENCE (RHS)		
	yellow 13B	greyed-orange 163B

'Surprise Party' Application No: 94/101

Accepted: 6 May 94

Applicant: **MJ Morgan, Protected Plants Promotions Australia Pty Ltd**, Macquarie Fields, NSW and **The University of Sydney**. Agent: **The University of Sydney**.

Description (Table 17 and Fig 16) Plant: compact, spreading mean height 54.0cm, diameter 113.5cm. Leaf: glossy green, fleshy, bipinnatisect, medium leaf serration, mean length 71.9mm and width 25.3mm when mature,

upper leaf colour close to RHS 137A, lower surface close to RHS 137C. Early continuous flowering, semi-anemone type flower 48.1mm mean diameter, dark centre (RHS 59B) 18.0mm diameter, matures to RHS 186C; disk florets tubular/petaloid; ray florets purple-violet, close to RHS 81C before anther dehiscence, fading to RHS 69D at full anther dehiscence, straight longitudinal axis, dentate tip.

Origin Controlled pollination: 'Harvest Gold/Dolly' (seed parent) by 'Weymouth Surprise', 1992. Breeder: Thomas M Cunneen, University of Sydney Plant Breeding Institute, Cobbity, NSW. Selection criteria: early, profuse, and large pink flowers; compact, spreading growth habit. Propagation: cuttings through four generations.

Comparative Trials Comparator: 'Single Pink'. Location: University of Sydney Plant Breeding Institute, Cobbity May 94-Sep 94. Conditions: measurements from 10 specimens selected at random from 50 plants arranged at 120cm centres in an ungrouped randomised design. Plants in mulched soil, raised beds, open conditions, irrigated as required.

Prior Applications and Sales First sold in Australia in 1994.

Description: **J D Oates, The University of Sydney, Plant Breeding Institute, Cobbity, NSW**

Table 17 Marguerite Daisy Varieties

	'Surprise Party'	'Single Pink'
PLANT HEIGHT (cm)		
mean	53.9	75.4
LSD (0.01)/significance	6.32	P≤0.001
LEAF WIDTH (mm)		
mean	25.3	35.7
LSD (0.01)/significance	7.74	P≤0.001
LEAF COLOUR (RHS)		
Upper Surface	glossy green 137A	green 137B
LEAF BASE SHAPE	acute	obtuse
LEAF THICKNESS	medium	thin
FLOWER TYPE	semi-anemone	single
DISC COLOUR BEFORE ANTHET DEHISCENCE (RHS)		
	red purple 59B	yellow orange 21A-34A
DISC COLOUR AFTER FULL ANTHET DEHISCENCE (RHS)		
	greyed purple 186C	greyed orange 163A-163B
RAY PETAL COLOUR AFTER FULL ANTHET DEHISCENCE (RHS)		
	red purple 69D	purple 78D

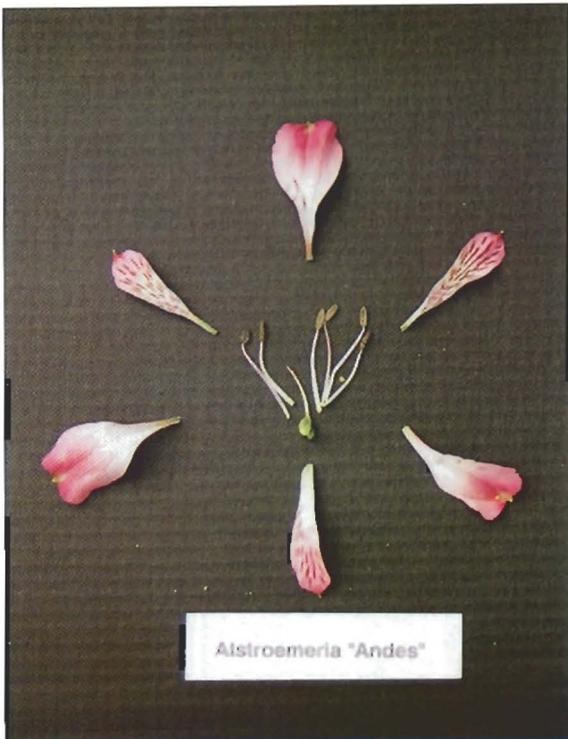


Fig 1- Alstroemeria 'Andes'



Fig 2- Alstroemeria 'Cobra'

Fig 4- American Jointvetch
Flowers and pods
top 'Glenn', bottom 'Lee'

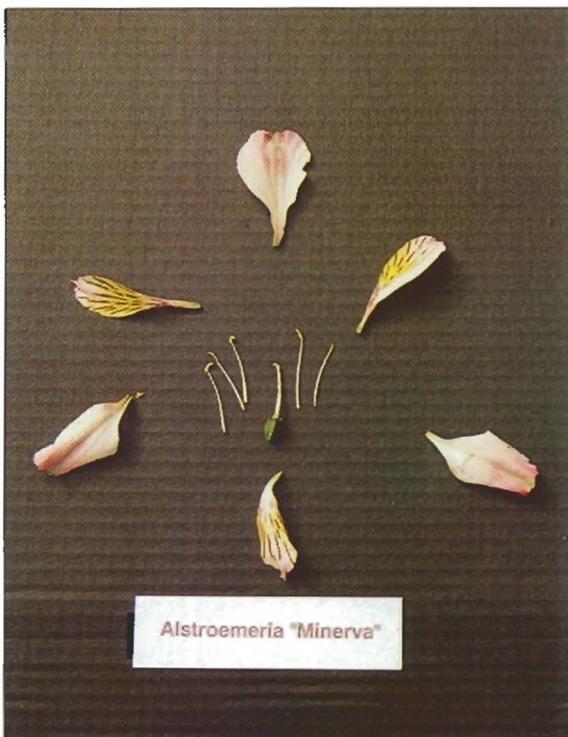


Fig 3- Alstroemeria 'Minerva'





Fig 5- Apple
'Pink Rose' (left) with comparator



Fig 6- Barley
'Morrell' (left), 'Stirling' (centre)
and 'O'Connor' (right)



Fig 7- Blushing Bride
left to right
'Sugar 'n' Spice', 'K2', and 'Superb Blush'

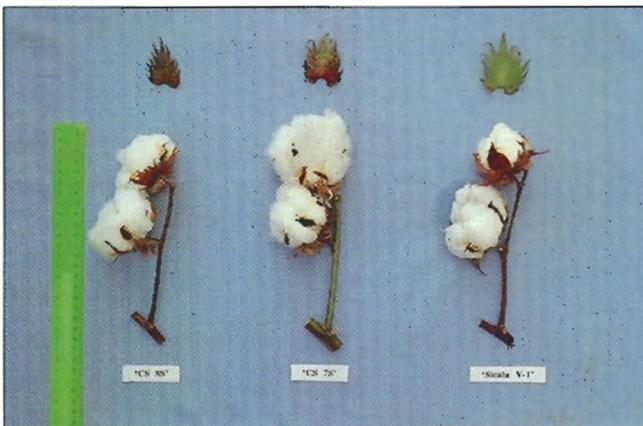


Fig 8- Cotton
'CS 8S' (left), 'CS 7S' (centre) with 'Sicala V-1'

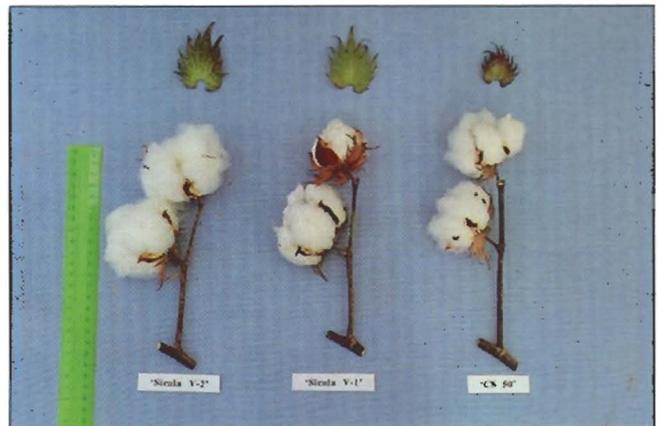


Fig 9- Cotton
'Sicala V-2' (left), 'Sicala V-1' (centre)
and 'CS 50' (right)



Fig 10- Cotton
'Siokra V-15' (left) with 'Siokra 1-4'



Fig 11- Crested Hair Grass
'Barkoel'

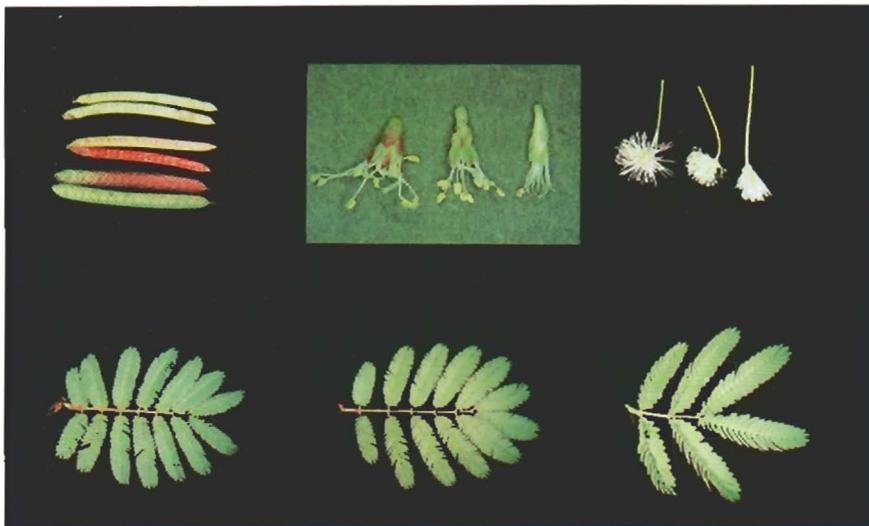


Fig 12- Desmanthus
'Marc', 'Bayamo', 'Uman' - leaves, inflorescences
and flowers (left to right); pods (bottom to top)



Fig 13- Diascia
'Strawberry Sundae'
(left) with comparator
D. barberae



Fig 14- Marguerite Daisy 'Sugar Baby' (left) with comparator 'Frosty'



Fig 15- Marguerite Daisy 'Summer Angel' (left) with comparator 'Compacta'



Fig 16- Marguerite Daisy 'Surprise Party' (left) with comparator 'Single Pink'

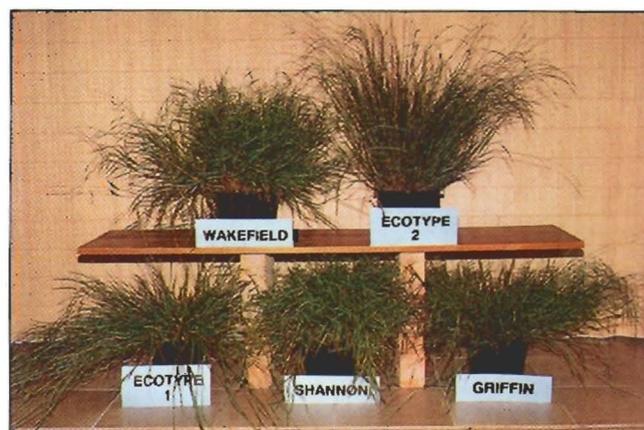


Fig 17- Microlaena 'Wakefield', 'Shannon' and 'Griffin' *Microlaena* with the comparative native ecotypes



Fig 18- Peace Lily
'Gorguis 1' synonym 'Sensation'



Fig 19- Potato
Flowers and tuber of 'Gladiator'

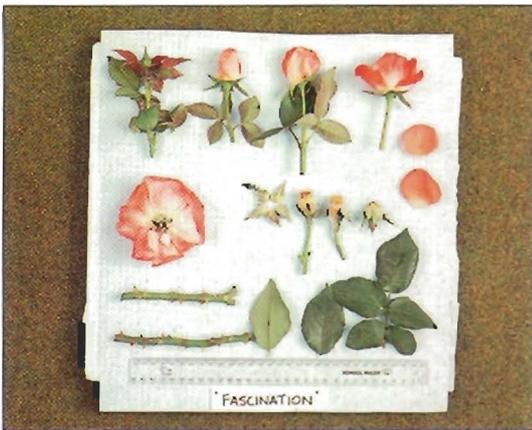


Fig 20- Rose
'Jacable' synonym 'Fascination'



Fig 21- Rose
'Jacchry' synonym 'Breathless'



Fig 22- Rose
'Jacdash' synonym 'Rose of Wagga Wagga'



Fig 23- Rose
'Jacsim' synonym 'Sweet Inspiration'



Fig 24- Rose
'Jactop' synonym 'Legend'

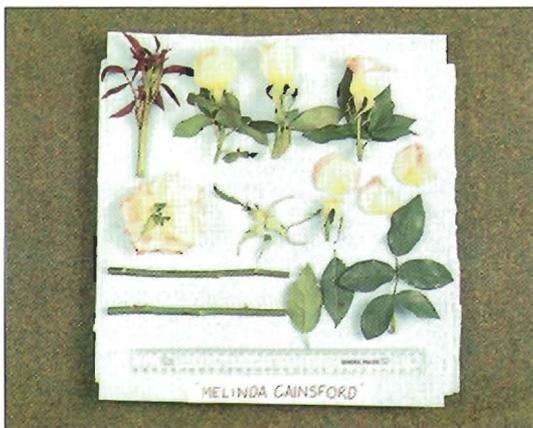


Fig 25- Rose
'Melinda Gainsford'



Fig 26- Rose
2 flowers of 'Pink Iceberg'
(left and centre) with
comparator 'Iceberg'

Fig 27- Red Clover 'Grasslands G27'
 This photograph shows the rod shaped pollen grains of *diploid* red clover in contrast to the tetrahedral of *tetraploid* grains in the photograph below

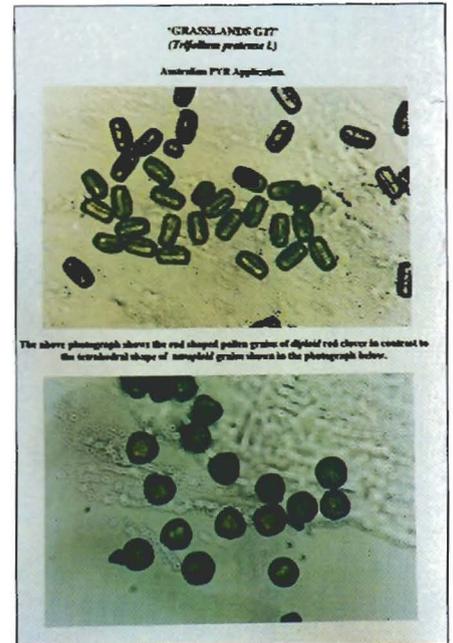


Fig 28- Strawberry 'Redlands Hope'

Fig 29- Strawberry 'Redlands Horizon'

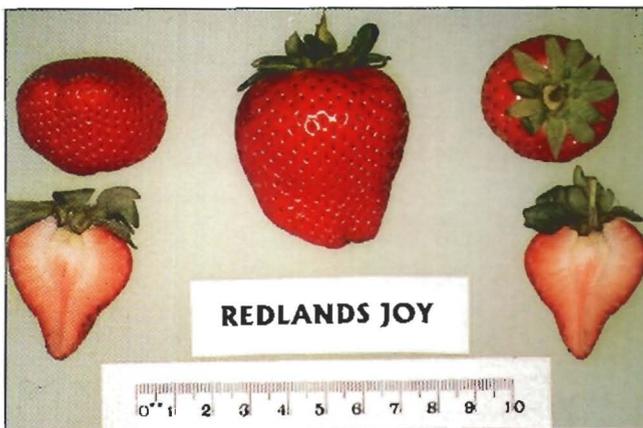
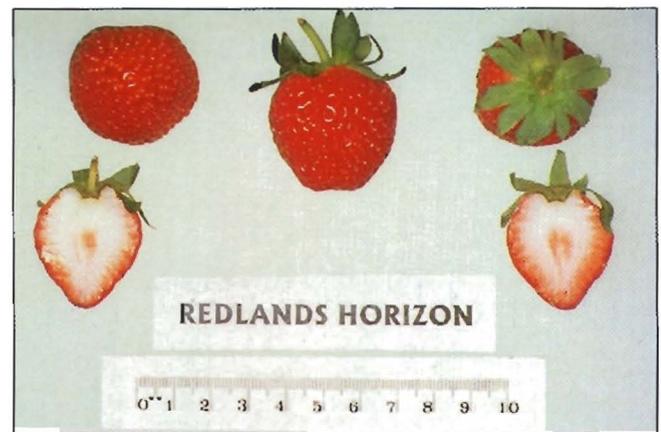


Fig 30- Strawberry 'Redlands Joy'

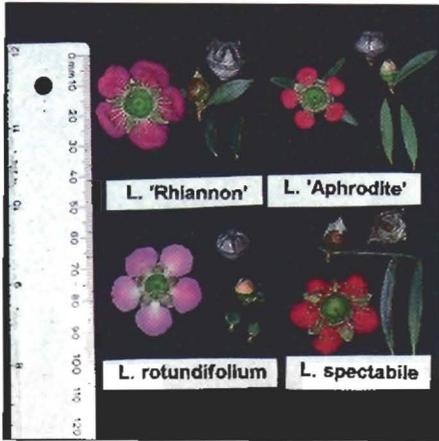


Fig 31- Tea Tree
Clockwise from upper left
'Rhiannon', 'Aphrodite',
L. rotundifolium and *L. spectabile*.

Fig 32- Wallaby Grass
From left 'Hume', 'Armidale',
'Kingston' and 'Cowra'



Fig 33- Waxflower
'Cascade Jewel' (left),
'Purple Pride' (centre)
and 'Burgundy Blush' (right)

Table 17 Marguerite Daisy Varieties - continued

RAY PETAL COLOUR BEFORE ANTHOR DEHISCENCE (RHS)	purple violet 81C	purple 78D
DISK FLORET TYPE	petaloid/tubular	tubular

MICROLAENA*Microlaena stipoides*

'Griffin' syn. '703.6.12' Application No: 95/052
Accepted: 20 Mar 95

Applicant: **Botany Department, University of New England, Armidale, NSW**

Description (Table 18, Fig 17) Plant: turf type, perennial, semi-prostrate, roots readily from lower nodes, acid soil tolerant. Leaf: dark green; flag leaf short and narrow. Inflorescence short. spikelets intermediate number.

Origin Selection over four successive generations from ecotype collected near the Museum of Australia, Canberra, ACT. Breeder: R D B Whalley and C E Jones. Selection criteria: growth habit, leaf colour and seed production assessed on spaced plants grown over weed matting.

Comparative Trial Comparators: selections 'Wakefield' and 'Shannon' and two ecotypes. Location: University of New England, Armidale, 1994. Conditions: seedlings established in trays in glasshouse, Mar 1994, transplanted into weed matting in field May, 1994. Eight plants of each variety grown in two rows of four plants, 50cm apart and varieties randomly arranged in each of four blocks. Data from 32 plants of each variety. Spray irrigated.

'Shannon' syn. '17.2.6.5.12' Application No: 94/124
Accepted: 23 May 94

Applicant: **Botany Department, University of New England, Armidale, NSW**

Description (Table 18 Fig 17) Plant: fairly short, partially erect, soft, drooping leaves. Leaf: light green; flag

Table 18 *Microlaena* Varieties

	'Shannon'	'Wakefield'	'Griffin'	*Ecotype 1	*Ecotype 2
GROWTH HABIT (1=prostrate, 5=erect)	3	3	2	1	4
PLANT HEIGHT (cm) LSD = 4.5*					
mean	19.1b**	27.6a	15.3b	25.0a	23.9a
range	10.5-31.0	19.3-34.3	6.5-28.0	18.0-35.0	10.0-35.0
std deviation	5.2	4.3	5.8	4.4	6.8
LEAF COLOUR	light green	medium green	medium green	medium green	medium green
LEAF ATTITUDE (1=upright, 4=drooping)	3.8	2.7	2.2	1.1	1.7
FLAG LEAF WIDTH (mm) LSD=0.79*					
mean	4.08b**	3.85bc	3.19cd	6.45a	3.29bcd
range	1.73-5.54	2.58-4.94	1.58-5.06	2.95-7.84	1.41-5.79
std deviation	0.79	0.69	0.80	1.00	1.04
FLAG LEAF LENGTH (mm) LSD=8.8*					
mean	51.2b**	56.7b	33.3c	80.3a	48.4b
range	24.7-79.3	35.1-90.4	16.61-49.8	48.4-101.9	26.0-74.2
std deviation	12.3	11.9	10.0	12.1	11.8
INFLORESCENCE LENGTH (mm) LSD =27.0*					
mean	119.2c**	160.6ab	140.2bc	187.4a	170.8a
range	102.3-136.6	119.1-201.3	92.2-177.3	131.1-271.3	103.3-300.6
std deviation	17.1	20.2	24.9	30.2	45.4
NUMBER OF SPIKELETS/INFLORESCENCE LSD=5.8*					
mean	28.3c**	46.4a	25.7c	35.2b	29.9bc
range	15-37	31-66	16-38	27-54	19-39
std deviation	5.2	9.4	6.3	5.6	4.9

* = LSD ($P \leq 0.01$)

** = Values followed by the same letter are not significantly different ($P < 0.01$, Scheffe Test)

leaf broad and long. Inflorescence short, relatively few spikelets.

Origin Selection over four successive generations from an ecotype of the native grass *Microlaena stipoides* collected east of Glen Innes. Breeders: R D B Whalley and C E Jones, Botany Dept., University of New England, Armidale. Selection criteria: dense growth habit, soft, drooping habit, seed production.

Comparative trial Comparators: selections 'Wakefield' and 'Shannon' and two ecotypes. Location: University of New England, Armidale, 1994. Conditions: seedlings established in trays in glasshouse, Mar 1994, transplanted into weed matting in field May, 1994. Eight plants of each variety grown in two rows of four plants, 50cm apart and varieties randomly arranged in each of four blocks. Data from 32 plants of each variety. Spray irrigated.

'Wakefield' syn. '39.1.8.2.5' Application No: 94/125 Accepted: 23 May 94

Applicant: **Botany Department, University of New England, Armidale, NSW**

Description (Table 18 Fig 17) Plant: perennial, acid soil tolerant, tall, partially erect. Leaf: broad, upright, dark green; major growth period Summer and Autumn; flag leaf short. Inflorescence long with many spikelets/inflorescence.

Origin Selection from heavily stocked, highly improved pasture east of Armidale. Breeders: R D B Whalley and Dr C E Jones, Botany Dept., University of New England, Armidale. Selection criteria: leafiness, early vegetative production and seed production.

Comparative Trial Comparators: selections 'Wakefield' and 'Shannon' and two ecotypes. Location: University of New England, Armidale, 1994. Conditions: seedlings established in trays in glasshouse, Mar 1994, transplanted into weed matting in field May, 1994. Eight plants of each variety grown in two rows of four plants, 50cm apart and varieties randomly arranged in each of four blocks. Data from 32 plants of each variety. Spray irrigated.

PEACE LILY

Spathiphyllum

'Gorguis 1' syn. 'Sensation' Application No: 91/075 Accepted: 22 Aug 1991

Applicant: **Oglesby Plant Laboratories, Florida, USA**

Agent: **Burbank Biotechnology Pty Ltd, Wyong, NSW**

Description (Table 19 Fig 18) Plant: rhizomatous evergreen perennial, height approx. 64cm, width 85cm, few shoots. Leaf: blade approx. 47cm long x 22cm wide, horizontally disposed, simple, elliptic, apices acute, bases obtuse; leaf blade entire; veins well defined; petioles approx. 34cm long, alate, prominently winged (<1cm) for entire length, mature leaf adaxial RHS 147A, abaxial RHS 138A. Peduncles: erect approx. 67cm long, fused with spathe from the junction of the spathe to the spadix. Spathe: ovate, apices acute, tenancies aristate, base obtuse, slightly cupped, approx. 29cm long x 12cm wide, white

(RHS 155A) at anthesis. Spadix: length approx. 11cm, white (RHS 155A); ovaries prominent, pointed.

Origin Controlled pollination: *Spathiphyllum* cv. 'Fantastica' (seed parent) x *Spathiphyllum* cv 'Supreme'. Breeder: J J Georgusis. Selection criteria: leaf colour, size and flowering habit.

Comparative Trial Plants: established in 35mm square by 50cm deep tray cells from tissue culture, repotted 17 Feb 1993 in 125mm diameter pots and again on 24th Dec 1993 in 175mm pots. 'Mauna Loa Supreme' and 'Sensation' transplanted into 250 and 300mm diameter pots respectively, on 6 Apr 1994. Pots in complete random design at 300mm centres. Potting medium standard commercial mix, pH 6.0, supplemented with 4.0kg Nutricote Blue (16-4.4-8.3 N:P:K 5-6 month formulation) 0.3kg Micromax and 0.5 kg iron sulfate per m³ plus liquid fertiliser weekly as a normal irrigation. Fibreglass/polycarbonate green house, unheated (av. min. 12°C, av. max. 27°C). Non-phytotoxic pesticides applied for the control of insects/mites. Measurements 13 plants of 'Viscount Prima', 15 plants of all other varieties.

Description by: **R J Worrall, NSW Agriculture, Narara, NSW**

Table 19 *Spathiphyllum* Varieties

	'Sensation'	'Mauna Loa Supreme'	'Tasson' Prima'	'Viscount'
PLANT HEIGHT (cm)				
mean	64.67	57.20	50.67	42.23
LSD (0.01)/ significance	6.48	P<0.01	P<0.01	P<0.01
PLANT WIDTH (cm)				
mean	85.13	68.27	75.27	78.62
LSD (0.01)/ significance	6.81	P<0.01	P<0.01	P<0.01
PETIOLE LENGTH (two longest leaves) (cm)				
mean	34.33	33.20	28.20	27.38
LSD (0.01)/ significance	4.81	NS	P<0.01	P<0.01
LEAF BLADE LENGTH (two longest leaves) (cm)				
mean	46.60	30.97	29.20	25.81
LSD (0.01)/ significance	3.22	P<0.01	P<0.01	P<0.01
LEAF BLADE WIDTH (two longest leaves) (cm)				
mean	21.70	11.97	10.47	11.08
LSD (0.01)/ significance	1.64	P<0.01	P<0.01	P<0.01
LEAF COLOUR (mature leaves) (RHS)				
adaxial	147A	137B	137A	137A
abaxial	138A-B	137C	137C	138A

Table 19 *Spathiphyllum* Varieties - continued

PEDUNCLE LENGTH (to base of spathe) (cm)				
mean	67.18	62.73	53.30	53.45
LSD (0.01)/ significance	6.54	NS	P<0.01	P<0.01
SPATHE LENGTH (cm)				
mean	29.32	19.40	19.37	15.38
LSD (0.01)/ significance	2.82	P<0.05	P<0.05	P<0.05
SPATHE WIDTH (cm)				
mean	12.36	11.20	8.38	7.68
LSD (0.01)/ significance	1.38	P<0.05	P<0.01	P<0.01
SPADIX LENGTH (cm)				
mean	11.45	8.82	4.32	5.43
LSD (0.01) significance	1.06	P<0.05	P<0.05	P<0.05
SCENT OF FLOWERS				
	very weak	strong	strong	strong
NUMBER OF SUCKERS				
	few	many	many	many

POTATO*Solanum tuberosum***'Gladiator'** Application No: 94/067

Accepted: 4 Mar 1994

Applicant: **NZ Institute for Crop and Food Research Ltd**, Christchurch, NZAgent: **A E Stratton, Crop & Food Research**, Albury, NSW

Description (Table 20 Figure 19) Plant: erect, vigorous, long growing season. Stem: anthocyanin weak or absent. Leaf: dark dull green, wrinkled, smooth margin. Flowering profuse, very persistent, few fruits. Flower: bright blue. Tuber: blocky and long oval, yellow skin, some anthocyanin pigment, medium - rough surface flaking; lightsprouts blue violet.

Origin Controlled pollination: 'Vtⁿ62-33-3' by 'B5281-1' (pollen parent). Breeder: Russell Genet, Crop & Food Research, Lincoln, NZ.

Comparative trials Comparators: 'Kennebec', 'Shepody'. Location: Forthside Vegetable Research Station, Tas, 12 Oct 1993. Conditions: measurements from 42 plants (fourteen per replicated block); each variety in 3 replicated blocks; krasnozem soil; fertilised at 1.2 t/ha 9-14-17 N:P:K pre-planting.

Prior Applications and Sales First sold, NZ 30 Oct 1993.

Description: **John Fennell, Department of Primary Industry and Fisheries**, TAS

Table 20 Potato Varieties

	'Gladiator'	'Kennebec'	'Shepody'
PLANT HEIGHT (mm)			
mean	648	531	699
LSD (0.01)/ Significance	32.2	P≤0.01	P≤0.01
LEAF LENGTH (mm)			
mean	317	329	316
LSD (0.01)/ Significance	26.4	NS	NS
TERMINAL LEAF LENGTH (mm)			
mean	219	245	229
LSD (0.01)/ Significance	5.4	P≤0.01	P≤0.01
TERMINAL LEAF WIDTH (mm)			
mean	76	87	70
LSD 0.01/ Significance	4.4	P≤0.01	P≤0.01
INFLORESCENCE LENGTH (mm)			
mean	190	175	229
LSD (0.01)/ Significance	24.5	NS	P≤0.01
FLOWER COLOUR (RHS)			
	blue(91B)	white (155B)	pink (69C)
FIRST FLOWER DATE			
	14 Dec	17 Dec	9 Dec
DURATION OF FLOWERING (Days)			
	55	9	60
NUMBER OF FLOWERS			
	many	few	many
LIGHTSPROUT COLOUR			
	blue violet	red violet	red violet
TUBER SKIN ANTHOCYANIN			
	present	absent	absent

RED CLOVER*Trifolium pratense***'Grasslands G27'** Application No: 94/213

Accepted: 31 Oct 1994

Applicant: **AgResearch Grasslands Research Centre**, Private Bag 11008, Palmerston North, NZAgent: **AE Stratton, AgResearch Grasslands**, Albury, NSW

Description (Table 21 Figure 27) Plant: tetraploid (2n = 28), low formononetin, early maturing, light green foliage, high stem density. Stem: mean length ~94cm, average 12 internodes >0.5cm in length. Leaf: mean size largest 11cm²; petiole mean length 116mm, mean thickness

1.3mm; terminal leaflet mean length 28.5mm; mean width 12.5mm. Stipule: mean length 26mm; width 6mm. Floret: mean length 20mm. Seed protein bands consistent between two generations of 'Grasslands G27' and different from 'Grasslands Pawera'. Seed production in open pollinated isolation blocks. Commercial seed production in isolated blocks.

Origin Selection within 'Grasslands Pawera' populations over 7 generations. Breeder: W Rumball, AgResearch Grasslands Research Centre, Palmerston North and Lincoln, NZ. Selection criteria: low formononetin levels, stem density, disease resistance.

Comparative Trials Comparator: 'Grasslands Pawera'. Location: AgResearch Grasslands Research, Palmerston North, NZ (lat. 40° 30' S, alt. 33m), 1992/93 and 1993/94. Conditions: measurements from approx. 100 plants from two generations. Two separate RBD trials, 10 reps x 10 plants, 1m apart and a separate four metre x 2 rep row observational block.

Prior Applications and Sales NZ PVR granted no. 922 21 Nov 1994 as 'Grasslands G27'.

Description : Jeff Miller, AgResearch Grasslands, NZ

Table 21 Red Clover Varieties

(Data from generation 1 of G27 and 100 plants of each variety - Palmerston North trial 1993/94)

	'Grasslands G27'	'Grasslands Pawera'
VEGETATIVE LEAF SIZE (cm²)		
mean	11.12	14.67
LSD (0.01)/significance	1.46	P≤0.001
VEGETATIVE LEAF LENGTH (mm)		
mean	47.96	55.60
LSD (0.01)/significance	2.99	P≤0.001
VEGETATIVE LEAF WIDTH (mm)		
mean	32.86	37.42
LSD (0.01)/significance	2.16	P≤0.001
LONGEST STEM LENGTH (cm)		
mean	91.84	107.87
LSD (0.01)/significance	8.10	P≤0.001
MEAN FLOWERING (Days from 1st plant to flower)		
mean	36.25	51.66
LSD (0.01)/significance	4.05	P≤0.001
Date	26 Dec 1993	12 Jan 1994
NUMBER OF INTERNODES 0.5cm PER STEM		
mean	11.43	14.59
LSD (0.01)/significance	0.77	P≤0.001

Table 21 Red Clover Varieties - continued

LEAF COLOUR (1=light: 5=dark)		
mean	2.89	3.46
LSD (0.01)/significance	0.25	P≤0.001
PERCENTAGE FORMONONETIN BY DRY WEIGHT (60 samples)		
mean - leaf	0.16	0.68
std error	0.02	0.10
mean - petiole	0.34	0.60
std error	0.08	0.06

ROSE

Rosa

'Jacable' syn. 'Fascination' Application No: 93/259
Accepted: 9 Dec 1993
Applicant: Jackson and Perkins Roses, Somis, California, USA
Agent: Swane Brothers Pty Ltd, Narromine, NSW

Description (Fig 20) Plant: bush rose, vigorous, upright. Stem: smooth, new wood reddish, old wood green. Young shoots dark green, underside reddish. Mature leaf: dark green, semi-glossy. Thorns: medium form, hooked downward on stems and laterals. Small prickles on main stalks and few on laterals. Leaflets: oval, pointed, leathery, semi-glossy, serrated edges. Bud: length 3.81cm when petals unfurl, long, pointed, oval. Sepals: green 138B, reddish overlay, finely hirsute, 3 normal-heavily appendaged sepals, 2 unappendaged sepals, hairy edged. Receptacle: green 139C, funnel shaped, medium size, surface finely hirsute. Flowering recurrent. Flower stalk: medium length, surface prickles, glandular, medium green and bronze, erect, rigid. Flower: fragrant, very large, open diameter 12.7cm-13.97cm, borne singly on medium, strong stems; blooms high centred stable shape; petal no. 30-35; petal: thick, round, tips slightly recurved, upper side red 43B, reverse side red 43D-white 155D, basal semi circle small greenish white. Anther medium size, yellow; filaments reddish; pollen lemon yellow; styles reddish; stigmas yellow.

Origin Controlled pollination: 'Jacara' by 'Korlingo' (pollen parent). Breeder: Keith W Zary, Thousand Oaks, California, USA. Selection criteria: growth habit, bi-coloured flowers, fragrance.

Comparative Trials Location: Somis, California, USA Mar-Aug 1992.

Prior Applications And Sales US Patent granted 1992 as 'Jacable'. First sale in Australia 1994.

Description: Geoffrey Swane, Swane Bros. Pty Ltd, NSW, based on US patent no. 8628

'Jacchry' syn. 'Breathless' Application No: 93/257
Accepted: 9 Dec 1993
Applicant: Jackson and Perkins Roses, Somis, California, USA.
Agent: Swane Brothers Pty Ltd, Narromine, NSW

Description (Fig 21) Plant: bush rose, vigorous, upright, branching. Stem: smooth, new wood reddish, old wood green; young shoots reddish, thorns: medium form, hooked slightly downward, on main canes and laterals. Prickles absent. Leaflet: large, pointed oval, dark green, leathery, glossy, serrated. Bud: long, pointed, oval, length 4.43cm when petals unfurl; sepals green (138B) reddish, finely hirsute; 3 normal to heavily appendaged sepals, two, hairy edged unappendaged sepals. Receptacle: large 1.27cm x 1.27cm, apple shape, smooth surface. Flower stalk smooth and medium green. Flower: moderately fragrant, very large, mean size open 12.70cm-15.24cm, borne singly on medium length stems, high centred, outer petals reflexed; petal no. 30; petal: very large, thick, leathery, red group RHS (50A) upper side, red group RHS 50B-C lower side, basal half moon. Anther medium size, yellow; filament yellow; pollen lemon yellow; style red; stigma yellow. Recurrent flowering habit.

Origin Controlled pollination: unnamed seedling (seed parent) by 'Chrysler Imperial' Breeder: William A. Warriner (deceased) Tustin, California. Selection criteria: leaf size, glossiness. flower size, fragrance.

Comparative Trials Location: Somis, California, USA, Mar-Aug 1992.

Prior Applications And Sales US patent no. 8595 granted 1992 as 'Jacchry'. First sold in USA 1994.

Description: **Geoffrey Swane, Swane Bros. Pty Ltd**, NSW, based on US patent no. 8595.

'**Jacdash**' syn. '**Rose of Wagga Wagga**' Application No : 93/262 Accepted: 10 Dec 1993

Applicant: **Jackson and Perkins Roses**, Somis, California, USA

Agent: **Swane Brothers Pty Ltd**, Narromine, NSW

Description (Fig 22) Plant: hybrid Tea bush rose, vigorous, long stems, excellent disease resistance. Stem: new wood reddish, rough; old wood green, smooth; young shoots bronze red. Mature foliage dark green. Thorns: on main canes and laterals, medium, straight to hooked slightly downward; prickles absent. Leaflets: large, oval, pointed, leathery, serrated edges. Bud: mean length 3.81cm when petals unfurl, pointed, oval; sepals green 138B, finely hirsute, 3 lightly appendaged, 2 appendaged edges hairy. Receptacle: green 138B, funnel shaped, small, smooth. Flower stalk medium length, smooth, light green, rigid, erect. Flowering recurrent, strongly fragrant. Flower: mean diameter 11.43cm, borne singly on long stems (length 45.72cm-55.88cm). Blooms high centred on opening, permanence flattens on opening, outer petals reflex. Petal no. 20-25. Petals thick, upper and reverse sides yellow-orange 21A-B fading on the outer petals to yellow-orange 21C-D, petal base green white, half moon; anthers large, yellow; filaments reddish brown; pollen gold yellow; style light yellow; stigma red.

Origin Controlled pollination: 'Sunbright' by unnamed seedling (pollen parent). Breeder: William A. Warriner (deceased) Tustin, California. USA Selection criteria: flower colour, foliage colour, glossiness, stem length and fragrance.

Comparative Trials Location: Somis, California. USA, Jun-Sep 1989.

Prior Applications and Sales US Plant Patent No 7659 granted 1990; first sale in US.1994.

Description: **Geoffrey Swane, Swane Bros. Pty Ltd**, Narromine, NSW, based on US Plant Patent No 7659.

'**Jacsim**' syn. '**Sweet Inspiration**' Application No. 93/260 Accepted: 10 Dec 1993

Applicant: **Jackson and Perkins Roses**, Somis, California, USA

Agent: **Swane Brothers Pty Ltd**, Narromine, NSW

Description (Fig 23) Plant: floribunda rose, compact, upright, well branched. Stem: smooth, new wood light green, old wood green. Young shoots: upper side bright green, edges red, lower side reddish green. Mature foliage dark green. Thorns: red when young, hooked slightly downward, on main stems and laterals. Small prickles normally absent. Leaflet: upper side leathery, glossy, edges serrated, oval, pointed. Bud: mean length 2.54cm when petals unfurl, short, pointed. Sepals: green 138C, surface finely hirsute, 3 normal to heavily appendaged sepals, two unappendaged sepals, hairy edged. Receptacle: green 138B, funnel shape, small smooth surface. Flower stalk: short, medium green, rigid, erect. Flowering recurrent; clean flower drop. Flower: slightly fragrant, mean size open 8.89cm-10.16cm; clustered blooms, with high centres at opening, flattening at maturity; normal petal no. 20; petal thick, round, notched tip, slightly curved, quilled edges, upper side red 55B, reverse side red 55B changing to yellow 8C on the lower third of petal, small yellow half moon at petal base; anther medium size; filaments reddish brown; pollen gold yellow; styles white; stigma red.

Origin Controlled pollination: 'Jacjem' by 'Jacink' (pollen parent). Breeder: William A Warriner (deceased), Tustin, California, USA. Selection criteria: growth habit, disease resistance, floral characteristics.

Comparative Trials Location: Somis, California Aug-Oct 1991.

Prior Applications And Sales US patent granted 1992 as 'Jacsim'. First sale in USA 1994.

Description: **Geoffrey Swane, Swane Bros. Pty Ltd**, NSW, based on US patent no. 8581.

'**Jactop**' syn. '**Legend**' Application No 93/258 Accepted 9 Dec 1993

Applicant: **Jackson and Perkins Roses**, Somis, California, USA.

Agent: **Swane Brothers Pty Ltd**, Narromine, NSW.

Description (Fig 24) Plant: bush rose, vigorous, upright. Stem: smooth, new wood reddish, old wood green. Young shoots reddish. Thorns: hooked downward, on main canes and laterals. Prickles: few, small on main stems, more on laterals. Leaflet: broadly oval, smooth texture, serrated. Bud: length 3.81cm to 5.08cm when petals unfurl, long, pointed; sepals green (141C); 3 appendaged sepals normal to heavily appendaged, 2 unappendaged sepals, hairy

edged. Receptacle: green (141C), funnel shape, small, smooth surface. Flowering recurrent. Flower stalk: medium length, prickly, glandular, bronze, rigid. Flower: slight to moderate fragrance, large, mean size 10.16cm-11.43cm, one or more on medium length stems; petal no. 45, blooms high centred, stable form. Petal: thin, ovate, tip slightly recurved; central petals and upper side of petals red (45A), reverse side red 46B, base yellow; Anther large, yellow; style red; stigma yellow.

Origin Controlled pollination: 'Grand Masterpiece' by unnamed seedling (pollen parent). Breeder: William A Warriner (deceased) Tustin, California, USA. Selection criteria: flower size, colour, leaf colour, growth habit.

Comparative Trials Location: Irvine, California, USA Sep 1985.

Prior Applications and Sales Granted US patent no. 6092, 1986 as 'Jactop'. First sale in USA 1994.

Description: **Geoffrey Swane, Swane Bros. Pty Ltd**, NSW, based on US patent no. 6092

'Melinda Gainsford' syn 'Jacyap' Application No: 93/261 Accepted: 10 Dec 1993

Applicant: **Jackson and Perkins Roses**, Somis, California, USA.

Agent: **Swane Brothers Pty Ltd**, Narromine, NSW.

Description (Table 22, Fig 25) Plant: hybrid Tea bush rose. Thorns: on main stems and laterals, upper thorns deep concave, mean thorn length 4.05mm, few prickles on pedicel. Leaf: concave, dark green. Terminal leaflet: mean length 69.5mm, mean width 39.5mm, rounded base. Petiole: mean length 18.5mm. Flowering recurrent, fragrance slight. Bud conical; sepal extensions strong. Flower: medium, double, upper profile flat, lower profile flattened convex, cream, yellow and pink; petal outer midzone 11C, inner midzone 10C, inner margin 10C, outer margin 49B, inner and outer basal spot, strongly reflexed, undulating; stamen yellow; style red; stigma above the anthers. Seed vessel medium size, pitcher shaped.

Origin Controlled pollination: two seedling varieties ('78-5563' x '75-3762'). Breeder: William A Warriner (deceased) Tustin, California, USA. Selection criteria: vigor, floral characteristics.

Comparative Trials Comparators: 'Pristine', 'Princess De Monaco'. Location: Narromine and Dural, NSW, Oct 1993-Apr 1994. Conditions: measurements taken from 20 plants selected at random. Plants on 'Dr. Heuy' rootstock, propagated in red clay loam, open ground, irrigated.

Prior Applications And Sales Nil.

Description: **Geoffrey Swane, Swane Bros. Pty Ltd**, Narromine NSW

Table 22 Rose Varieties

	'Melinda Gainsford'	'Pristine'	'Princess De Monaco'
THORN LENGTH (mm)			
mean	4.05	7.9	10
LSD (0.01)/significance	0.57	P≤0.01	P≤0.01
TERMINAL LEAFLET LENGTH (mm)			
mean	69.5	84.5	70.8
LSD (0.01)/significance	5.95	P≤0.01	P≤0.01
TERMINAL LEAFLET WIDTH (mm)			
mean	39.5	54.3	54.8
LSD (0.01)/significance	3.68	P≤0.01	P≤0.01
PETIOLULE LENGTH (mm)			
mean	18.5	107	92.2
LSD (0.01)/significance	5.84	P≤0.01	P≤0.01
SHAPE OF LEAFLET BASE			
	round	round	obtuse
FLOWER DIAMETER (mm)			
mean	124	96	93
LSD (0.01)/significance	6.72	P≤0.01	P≤0.01
PETAL COLOURS (RHS)			
Midzone outside	11C	155B	155D
Midzone inside	10C	155B	155D
Margin outside	49B	68C	68A
Margin inside	49B	68C	68A
PETAL REFLEXING			
	strong	strong	medium
SEED VESSEL SHAPE			
	pitcher	pitcher	funnel
BUD SHAPE			
	conical	ovate	ovate
BASAL SPOT SIZE			
	3	1	1
STYLE COLOUR			
	red	yellow/green	yellow
STIGMA IN RELATION TO ANTHERS			
	above	above	same

'Pink Iceberg' Application No: 94/003

Accepted: 12 Jan 1994

Applicant: **Lilia Weatherly**, Austins Ferry, TAS

Description (Table 23 and Fig 26) Plant: floribunda rose. Stems: smooth, green, almost thornless; few red thorns on

reddish watershoots and on leaflet petioles. Foliage: light green; leaves glossy, long and narrow. Inflorescence: three or four flowers; some mixed pink and white. Flowering remontant, lightly fragrant. Flower: 10cm diameter, with about 24 white to mainly pink (RHS Colour 65A-D) petals; some petals divided into white and pink down the mid line; filaments pink, anthers dark in pink flowers, pale in white flowers; pedicels slightly rough; calices smooth; sepals with weak projections. Hips red, ovate. Disease resistance good, occasional blackspot.

Origin Spontaneous mutation of 'Iceberg' Breeder: Lilia Weatherly, TAS. Selection criterion: flower colour. Propagation: budded for three generations by John Nieuwesteeg, Vic.

Comparative Trials Comparator: 'Iceberg'. Location: Nieuwesteeg Rose Nurseries, Coldstream, Victoria and Austins Ferry, Tasmania Jan 1994-Jan 1995. Conditions: measurements from 10 specimens of each variety. All plants budded on multiflora root stock, in open ground under standard pesticide and irrigation regime.

Prior Applications and Sales Nil

Description: Lilia Weatherly, Austins Ferry, TAS

Table 23 Rose Varieties

	'Pink Iceberg'	'Iceberg'
PERCENTAGE OF PINK OR PARTIALLY PINK FLOWERS	98	0
PERCENTAGE OF WHITE FLOWERS	2	100

STRAWBERRY

Fragaria x ananassa

'Redlands Hope' syn. '192/90' Application No: 92/084 Accepted: 11 Jun 1992

Applicant: **The State of Queensland through its Department of Primary Industries**, GPO Box 46, Brisbane, QLD.

Description (Table 24 and Fig 28) Plant: vigorous, globose, open. Leaf: dark-green, flat, very little to no blistering, 3 leaflets; terminal leaflet length-breadth ratio 1.29, base acute, teeth obtuse; petiole hairs point outwards; anthocyanin absent from stipules. Stolons: many. Inflorescence: slightly branched, borne above foliage. Flower: large (27mm), inner and outer calyx the same size, larger than corolla. Petals overlap, as long as broad. Fruit: mostly primaries, length-width ratio 1.04, very large, conical, medium band without achenes, even surface, firm, medium glossy, orange red, achenes and calyx inserted level with the surface; flesh pale-rose, medium acidity, sweetness and flavour; clasping calyx smaller than fruit diameter adhering with medium strength. Fruit well displayed, easily harvested, produced early, throughout the season, but mostly mid-season.

Origin Controlled pollination: 'Parker' by 'Redlands Promise' (pollen parent), 1989. Breeders: Mark Herrington and Svenning Prytz, DPI QLD. Selection criteria: fruit size, shape, firmness, colour, ease of harvest and consumer acceptability. Propagation: runners and tissue culture of virus indexed plants.

Comparators Comparators: 'Parker', 'Selva', 'Redlands Promise', 'Redlands Joy'. Location: Redlands Research Station, Cleveland, QLD Mar-Oct 1993. Conditions: measurements from 12 specimens selected at random from 48 plants arranged in 4 randomised complete blocks. Plants established 16 Mar from fresh runners, double-row beds with reflective polythene over mulched soil. Spacing: 40cm in row, 30cm between rows, 1.25m between bed-centres. Water and nutrients applied with trickle irrigation system as necessary.

Description: M Herrington, Department of Primary Industries, QLD.

Table 24 Strawberry Varieties

	'Redlands Hope'	'Redlands Joy'	'Parker'	'Selva'	'Redlands Promise'
PLANT HABIT	globose	globose	flat-globose	flat	globose
PLANT VIGOUR	strong	medium	strong	weak	very strong
LEAF: GREEN COLOUR OF ADAXIAL SIDE	dark green	medium green	medium green	medium green	dark green
TERMINAL LEAFLET: RATIO LENGTH: WIDTH	mean 1.29	1.08	1.16	1.08	1.46
LSD (0.01)/ significance	0.12	P≤0.01	P≤0.01	P≤0.01	P≤0.01
TERMINAL LEAFLET: SHAPE OF TEETH	obtuse	rounded	obtuse	obtuse	rounded
DIAMETER OF COROLLA (mm)	mean 27	32	34	32	27
LSD (0.01)/ significance	3.1	P≤0.01	P≤0.01	P≤0.01	NS
PETAL: RATIO LENGTH: WIDTH	as long as broad	much broader than long	broader than long	broader than long	as long as broad
FRUIT: RATIO LENGTH: WIDTH	mean 1.04	1.00	1.3	1.18	1.02
LSD (0.01)/ significance	0.15	NS	P≤0.01	NS	NS
FRUIT SIZE	very large	large	very large	large	medium

Table 24 Strawberry Varieties - continued

FRUIT: BAND WITHOUT ACHENES				
medium	absent	medium	narrow	absent
FRUIT: COLOUR GROUP OF FLESH				
pale	pale	medium	medium	pale
rose	rose	red	red	rose
FRUIT: FIRMNESS				
firm	medium	very	very	soft
		firm	firm	

'Redlands Horizon' Application No: 91/072
 Accepted: 14 Aug 1991
 Applicant: **The State of Queensland through its Department of Primary Industries**, GPO Box 46, Brisbane, QLD

Description (Table 25 Fig 29) Plant: flat-globose plant, medium vigour, Leaf: dark-green, concave, very weakly blistered, 3 leaflets; terminal leaflet length-breadth ratio 1.16, obtuse base, obtuse teeth. Petiole hairs point outward. Stolons: medium number produced. Inflorescence: moderately branched, above foliage. Flower: medium size (29mm), inner larger than outer calyx. Petals overlap, longer than broad. Fruit: length-breadth ratio 1.07, medium size, conical, narrow band without achenes, achenes and calyx level with surface; calyx clasping, strongly adherent, same diameter as fruit; fruit well displayed, easily harvested, soft, strongly glossy, red; flesh pale rose, medium acidity, sweetness, flavour. Fruit production as one moderately small, early peak and another in mid-season.

Origin Controlled pollination: 'Earlisweet' by 'Pajaro' (pollen parent), 1985. Breeders: Mark Herrington and Peter Brown, DPI QLD. Selection criteria: fruit size, shape, firmness and colour. Propagation: runners and tissue culture from virus indexed plants.

Comparators Comparators: 'Earlisweet', 'Pajaro', 'Selva', 'Parker'. Location: Redlands Research Station, Cleveland, QLD, Mar-Oct 1993. Conditions: measurements from 12 specimens selected at random from 48 plants arranged in 4 randomised complete blocks. Plants established 16 Mar from fresh runners, double-row beds reflective polythene mulched soil. Spacing: 40cm in row, 30cm between rows, 1.25m between bed-centres. Water and nutrients applied with trickle irrigation system as necessary.

Description: M Herrington, Department of Primary Industries, QLD

Table 25 Strawberry Varieties

	'Redlands Horizon'	'Pajaro'	'Parker'	'Selva'	'Earlisweet'
PLANT HABIT	flat globose	globose	flat globose	flat	flat

Table 25 Strawberry Varieties - continued

PLANT VIGOUR					
	medium	medium	strong	weak	medium
LEAF: GREEN COLOUR OF ADAXIAL SIDE					
	dark green	dark green	medium green	medium green	medium green
TERMINAL LEAFLET: RATIO LENGTH: WIDTH					
mean	1.16	1.10	1.16	1.08	1.29
LSD (0.01)/ significance	0.12	NS	NS	NS	P≤0.05
TERMINAL LEAFLET: SHAPE OF BASE					
	obtuse	obtuse	acute	acute	acute
DIAMETER OF COROLLA (mm)					
mean	29	29	34	32	26
LSD (0.01)/ significance	3.1	NS	P≤0.01	P≤0.01	P≤0.05
SIZE OF INNER CALYX RELATIVE TO OUTER					
	larger	same size	same size	same size	larger
PETAL RATIO: LENGTH: WIDTH					
	longer than broad	as long as broad	broader than long	broader than long	as long as broad
FRUIT: RATIO LENGTH: WIDTH					
mean	1.07	1.15	1.30	1.18	1.24
LSD (0.01)/ significance	0.15	NS	P≤0.01	NS	P≤0.05
FRUIT SIZE					
	medium	large	very large	large	small
FRUIT: BAND WITHOUT ACHENES					
	narrow	narrow	medium	narrow	medium
FRUIT: COLOUR GROUP OF FLESH					
	pale rose	pale rose	medium red	medium red	pale rose
ADHERENCE OF CALYX					
	strong	medium	medium	weak	weak
FRUIT: FIRMNESS					
	soft	medium	very firm	very firm	soft

'Redlands Joy' syn. '171/90' Application No: 92/088
 Accepted: 11 Jun 1992
 Applicant: **The State of Queensland through its Department of Primary Industries**, GPO Box 46, Brisbane, QLD

Description (Table 26 Fig 30) Plant: globose, open, medium vigour. Leaf: medium-green, flat, weakly blistered, 3 leaflets; terminal leaflet length-breadth ratio 1.04, acute base, rounded teeth; petiole hairs point outwards;

anthocyanin absent from stipules. Stolons: medium number produced. Inflorescence: slightly branched, borne above foliage. Flower: large (32mm), inner and outer calyx same diameter, larger than corolla. Petals: overlapping, much broader than long. Fruit: mostly primaries, length-breadth ratio 1.00, large, conical, band without achenes very narrow to absent, even surface, medium firm, medium glossy and red; flesh pale rose, low acidity, medium sweetness and flavour. Achenes inserted below surface, calyx inserted in basin, clasping calyx smaller than fruit diameter, adhering with medium strength. Fruit well displayed, easily harvested, production throughout season mostly mid-season.

Origin Controlled pollination: 'Selva' by breeding line '9/87' (pollen parent), 1989. Breeders: Mark Herrington and Svenning Prytz, DPI QLD. Selection criteria: fruit size, shape, firmness, colour, ease of harvest and consumer acceptability. Propagation: runners and tissue of virus indexed plants.

Comparative Trials Comparators: 'Selva', 'Parker', 'Redlands Promise', 'Redlands Hope'. Location: Redlands Research Station, Cleveland, QLD Mar-Oct 1993. Conditions: measurements from 12 specimens selected at random from 48 plants arranged in 4 randomised complete blocks. Plants established 16 Mar from fresh runners, double-row beds with reflective polythene mulched soil. Spacing: 40cm in row, 30cm between rows, 1.25m between bed-centres. Water and nutrients applied with trickle irrigation system as necessary.

Description: M Herrington, Department of Primary Industries, QLD

Table 26 Strawberry Varieties

	'Redlands Joy'	'Redlands Hope'	'Parker'	'Selva'	'Redlands Promise'
PLANT HABIT	globose	globose	flat-globose	flat	globose
PLANT VIGOUR	medium	strong	strong	weak	very strong
LEAF: COLOUR OF ADAXIAL SIDE	medium green	dark green	medium green	medium green	dark green
TERMINAL LEAFLET: RATIO LENGTH: WIDTH					
mean	1.04	1.29	1.16	1.08	1.46
LSD (0.01)/ significance	0.12	P≤0.01	NS	NS	P≤0.01
TERMINAL LEAFLET: SHAPE OF TEETH	rounded	obtuse	obtuse	obtuse	rounded
DIAMETER OF COROLLA (mm)					
mean	32	27	34	32	27
LSD (0.01)/ significance	3.1	P≤0.01	NS	NS	P≤0.01

Table 26 Strawberry Varieties - continued

PETAL SHAPE

much broader than long	as long as broad	broader than long	broader than long	as long as broad
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FRUIT: RATIO LENGTH: WIDTH

mean	1.00	1.04	1.30	1.18	1.02
LSD (0.01)/ significance	0.15	NS	P≤0.01	P≤0.01	NS

FRUIT SIZE

large	very large	very large	large	medium
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FRUIT: BAND WITHOUT ACHENES

absent	medium	medium	narrow	absent
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FRUIT: COLOUR GROUP OF FLESH

pale rose	pale rose	medium red	medium red	pale rose
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FRUIT: FIRMNESS

medium	firm	very firm	very firm	soft
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TEA TREE

Leptospermum spectabile x *L. rotundifolium*

'Rhiannon' Application No: 94/135

Accepted: 28 Jun 1994

Applicant: Peter Ollerenshaw, Bungendore, NSW

Description (Table 27 Fig 31) Plant: perennial ornamental shrub, moderately branched. Leaves: short, wide dark green glossy (RHS 137C). Late flowering. Flower: large red purple (RHS 70B); corolla and gynaecium large. Fruit: non-dehiscent, long seeds.

Origin Controlled pollination: *L. rotundifolium* (seed parent) x *L. spectabile* (pollen parent), 1990. Breeder: Peter Ollerenshaw, Bywong Nursery, Bungendore, NSW. Selection criteria: flower frequency, colour and size. Propagated by cuttings for 5 generations.

Comparative Trials Comparators: *L. rotundifolium*, *L. spectabile*, and variety 'Aphrodite'. Location: Bywong Nursery Mar 1994-Nov 1994. Measurements from 20 plants arranged in randomised complete blocks. Plants in composted bark/sand mix in 30cm pots; plastic greenhouse.

Prior Applications and Sales Nil

Description: Robert Dunstone, Jobjoba Science, Curtin, ACT

Table 27 *Leptospermum* Varieties

'Rhiannon' <i>L. rotundifolium</i> <i>L. spectabile</i> 'Aphrodite'				
LEAF LENGTH (mm)				
mean	11.47	4.55	31.44	17.39
std deviation	1.39	0.51	3.15	1.51
range	9.4-14.0	3.9-5.5	26.8-36.0	15.2-19.2
LEAF WIDTH (mm)				
mean	5.16	4.72	4.04	4.45
std deviation	0.76	0.43	0.49	0.71
range	4.2-6.7	4.0-5.4	3.2-4.7	3.0-5.7
COROLLA DIAMETER (mm)				
mean	26.64	25.17	27.73	16.59
std deviation	1.44	2.41	1.65	1.92
range	23.9-28.9	21.2-28.7	24.3-29.8	13.1-19.4
GYNOECIUM DIAMETER (mm)				
mean	9.34	9.03	10.82	6.68
std deviation	0.47	1.45	1.06	0.68
range	8.4-10.0	7.8-12.8	9.0-12.5	5.8-7.8
SEED LENGTH (mm)				
mean	5.28	4.13	6.50	2.79
std deviation	0.42	0.44	0.35	0.26
range	4.6-6.0	3.2-4.6	6.0-6.9	2.3-3.2
FLOWER COLOUR (RHS)				
	red purple 70B	purple 77B	red 53B	red purple 63A
FLOWERS OPEN ON 11 Nov 1994				
	32.58%	83.12%	0.00%	93.60%
LEAF colour				
	green	green	yellow green	green
RHS shape				
	137C lanceolate	139A circular	147A narrow elliptic	137C elliptic
apex base				
	acute cuneate	obtuse obtuse	subulate attenuate	acute alternate cuneate
SEED CAPSULE DEHISCENCE				
	No	No	Yes	No

WALLABY GRASS*Danthonia richardsonii*

'Hume' Application No: 95/007 Accepted: 24 Jan 1995
Applicant: **CSIRO Division of Plant Industry**, Canberra, ACT.

Description (Table 28 Fig 32) Plant: indigenous, perennial, tall (79cm); early and uniform flowering, Inflorescence (66mm), many heads per plant (38) and many seeds per head (195). Commercial propagation by seed.

Origin Selection from the naturally-occurring, Central-Western Slopes (NSW) populations collected in 1985. Breeders: R H Groves and M S Lodder, CSIRO Canberra, ACT. Selection criteria: seed production. Propagation: by seed for three generations.

Comparative Trials Comparators: three other populations (Cowra, NSW - collected by RH Groves and PE Kaye, South of Kingstown, NSW and Armidale Arboretum, NSW - collected by RDB Whalley, University of New England) of the same species collected over a geographic transect from the New England Tableland to the Southwestern Slopes, NSW - a transect that covers most of the known distribution of the species. Measurements from 20 plants of each generation, Sep 1989 - Feb 1990; seedlings raised in 20cm diameter pots containing potting mix, watered daily and complete fertiliser tablets added regularly, randomised within each generation.

Prior Applications and sales Nil

Description: **RH Groves & MS Lodder, CSIRO, Division of Plant Industry, ACT.**

Table 28 *Danthonia* Varieties

	'Hume'	'Armidale'	'Kingstown'	'Cowra'
DAYS TO FIRST ANTHESIS (days)				
mean	88	111	100	97
LSD (0.01)/ significance	5.49	P≤0.001	P≤0.001	P≤0.001
HEIGHT (cm)				
mean	79	68	65	59
LSD (0.01)/ significance	6.03	P≤0.001	P≤0.001	P≤0.001
INFLORESCENCE LENGTH (mm)				
mean	66	55	49	56
LSD (0.01)/ significance	4.38	P≤0.001	P≤0.001	P≤0.001
GLUME DEPTH (mm)				
mean	2.09	2.08	2.01	2.10
LSD (0.01)/ significance	0.0742	NS	P≤0.001	NS
GLUME WIDTH (mm)				
mean	1.60	1.36	1.42	1.58
LSD (0.01)/ significance	0.106	P≤0.001	P≤0.001	NS
GLUME CROSS-SECTIONAL AREA (mm²)				
mean	1.32	1.12	1.13	1.30
LSD (0.01)/ significance	0.115	P≤0.001	P≤0.001	NS
INFLORESCENCE NUMBER PER PLANT				
mean	38.2	15.4	31.6	21.8
LSD (0.01)/ significance	8.45	P≤0.001	P≤0.05	P≤0.001

Table 28 *Danthonia* Varieties - continued

SEED NUMBER PER INFLORESCENCE				
mean	195	119	104	115
LSD (0.01)/ significance	22.4	P≤0.001	P≤0.001	P≤0.001
SEED NUMBER PER PLANT				
mean	7686	1762	3517	2596
LSD (0.01)/ significance	1857	P≤0.001	P≤0.001	P≤0.001
SPIKELET NUMBER PER INFLORESCENCE				
mean	39	24	21	23
LSD (0.01)/ significance	4.49	P≤0.001	P≤0.001	P≤0.001
GERMINATION (%) OF FRESH SEED (ARCSINE TRANSFORMED)				
mean	13.7	81.6	61.2	25.7
LSD (0.01)/ significance	10.65	P≤0.001	P≤0.001	P≤0.001

WAXFLOWER*Chamelaucium uncinatum***'Cascade Jewel'** Application No: 93/159

Accepted: 19 Jul 1993

Applicant: **A J Newport & Son Pty Ltd**, Winmalee, NSW

Description (Table 29 Fig 33) Plant: cascading new growth in forced conditions. Flowering time medium. Bud: purple, operculum red, diameter medium Flower: petal obovate; immature petal violet, occasionally white, developing to purple; immature nectary yellow-green developing to greyed purple; staminodia medium triangular; staminodial collar red purple; style red purple; calyx lobe developing to purple; floral tube outline between conical and flared, fluted, medium diameter, mid point yellow green occasionally greyed red.

Origin Controlled pollination: 1989 between accessions 'GW15' and 'GW9'. The resulting plant (GW89.075) selected in 1991 was assessed over two vegetatively propagated generations for stability of flower colour, flower size and plant habit. Breeders: TP Angus and NF Derera of AJ Newport and Son. Commercial propagation: cuttings.

Comparative Trials Comparators: 'Purple Pride', 'Burgundy Blush'. Location: AJ Newport & Son glasshouse, Winmalee, NSW. Conditions: rooted cuttings in commercial potting mix in 130mm pots at 24cm intervals, potted Feb 1994. Plants watered as required, nutrients supplied once weekly as liquid feed and plant protection sprays applied as necessary. Measurements taken from each of 20 plants per genotype in a completely randomised design.

Prior Applications and Sales First sale in Australia Feb 1994

Description: T P Angus, AJ Newport and Son Pty Ltd, Winmalee, NSW

Table 29 Waxflower Varieties

	'Cascade Jewel'	'Purple Pride'	'Burgundy Blush'
PLANT HABIT	cascading	erect	cascading
BUD COLOUR (RHS) (with operculum)* colour	red(47C)	red(48A)	red(48B)
BUD COLOUR (RHS) (without operculum) colour	purple(77B)	purple(75A)	purple(77B)
FLORAL TUBE (RHS) (mid-region) colour	greyed red 178B	greyed purple* or yellow-green 183A, 144C	orange red* or yellow-green 46A, 144C
FLOWER DIAMETER (mm) mean	17.6	15.03	17.8
LSD (0.01)/ significance	0.93	P≤0.01	NS
PETAL (Shape and Colour) (RHS) outline	obovate	obovate	obovate
immature colour	violet or white 84A, 155C	*purple 75A	purple 77B
mid-mature colour (5 to 15 days after bud burst) colour	purple 77B	purple 77B	red purple 72B
mature colour (ca. 20 days after bud burst) colour	purple 77B	red purple 72B	red purple 72B
NECTARY (RHS) immature colour	yellow green 144C	yellow green 144B	greyed orange 167B
mature colour	greyed purple 187A	greyed purple 187A	greyed purple 187A
STAMINODIA (RHS) mature collar colour	red purple 68A	white 155D	red purple 64B
STYLE COLOUR (RHS) immature colour	red purple 62D	red purple 62D	red purple 62C
mid-mature colour	red purple 62A	red purple 62D	red purple 62A
mature colour	red purple 62B	white 155D	red purple 63B
CALYX LOBE (RHS) mid-mature colour	purple 77B	purple 77B	red purple 71B
mature colour	purple 77B	red purple 77B	red purple 72A

Table 29 Waxflower Varieties - continued

FLORAL TUBE (mature) (Shape and colour) (RHS)			
outline	intermediate	conical	flared
mean diameter	7.4	7.3	7.2
LSD (0.01)/	0.54	NS	NS
significance			
mid-point colour	yellow green*	greyed red*	greyed red
	or greyed red	or purple red	
	144C, 178A	178A, 59A	178A

* RHS colour determinations with divergent predominant colour groups observed, most frequent listed first.

GRANTS

ALSTROEMERIA

Alstroemeria hybrid

'Sydney' Grantee: **Konst Alstroemeria BV**

Application No 93/112 Certificate No 410 Expiry Date 27 Apr 2013

BUFFEL GRASS

Cenchrus ciliaris

'Bella' Grantee: **CSIRO Division of Tropical Crops and Pastures**

Application No 93/164 Certificate No 409 Expiry Date 30 Jul 2013

'Viva' syn. 'CPI 33100' Grantee: **CSIRO, Division of Tropical Crops and Pastures**

Application No 93/165 Certificate No 406 Expiry Date 30 Jul 2013

CHRISTMAS CACTUS

Schlumbergera truncatus

'Sanibel' Grantee: **BL Cobia Inc**

Application No 92/092 Certificate No 428 Expiry Date 3 Aug 2012

'Windsor' Grantee: **BL Cobia Inc**

Application No 92/093 Certificate No 429 Expiry Date 3 Aug 2012

GLYCINE

Glycine latifolia

'Capella' syn. 'CQ3368' Grantee: **CSIRO, Division of Tropical Crops and Pastures**

Application No 93/272 Certificate No 427 Expiry Date 21 Dec 2013

MACROPTILIUM

Macroptilium atropurpureum

'Aztec' Grantee: **CSIRO, Division of Tropical Crops and Pastures**

Application No 93/276 Certificate No 426 Expiry Date 23 Dec 2013

LOTUS

Lotus pedunculatus

'Sharnae' syn. 'CPI 67677' Grantee: **NSW Agriculture**
Application No 93/147 Certificate No 430 Expiry Date 26 Aug 2013

NAVY BEAN

Phaseolus vulgaris

'Rainbird' syn. 'CH93-67D' Grantee: **The State of Queensland through its Department of Primary Industries**

Application No 92/145 Certificate No 419 Expiry Date 24 Sep 2012

'Sirius' syn. 'CH126-31D' Grantee: **The State of Queensland through its Department of Primary Industries**

Application No 92/144 Certificate No 418 Expiry Date 24 Sep 2012

OAT

Avena sativa

'Graza 50' Grantee: **North Dakota State University**

Application No 93/196 Certificate No 433 Expiry Date 9 Sep 2013

'Graza 70' Grantee: **Agriculture Canada**

Application No 93/197 Certificate No 434 Expiry Date 9 Sep 2013

PERENNIAL RYEGRASS

Lolium perenne

'Roper' Grantee: **Valley Seeds Pty Ltd**

Application No 90/023 Certificate No 405 Expiry Date 6 Apr 2010

PETUNIA

Petunia axillaris

'Montezuma Sunset' Grantee: **R W Rother**

Application No 93/059 Certificate No 423 Expiry Date 3 Feb 2013

'Pampas Fire' Grantee: **R W Rother**

Application No 93/013 Certificate No 420 Expiry Date 28 Jan 2013

'Pink Panther' Grantee: **R W Rother**

Application No 93/015 Certificate No 421 Expiry Date 28 Jan 2013

'Pink Victory' Grantee: **R W Rother**

Application No 93/233 Certificate No 424 Expiry Date 1 Nov 2013

'Sweet Victory' Grantee: **R W Rother**

Application No 93/017 Certificate No 422 Expiry Date 28 Jan 2013

PLUMBAGO

Plumbago auriculata

'Monott' syn. **'Royal Cape'** Grantee: **Monrovia Nursery**
Application No 92/081 Certificate No 432 Expiry Date 3
Jul 2012

ROSE
Rosa

'Bruninitial' syn. **'Brundrett Centenary'** Grantee: **S
Brundrett & Sons (Roses) Pty Ltd**
Application No 93/074 Certificate No 414 Expiry Date 26
Feb 2013

'Dicmoppet' syn. **'Minilights'** Grantee: **Colin Dickson**
Application No 93/076 Certificate No 412 Expiry Date 26
Feb 2013

'Many Happy Returns' syn. **'Harwanted'** Grantee:
Harkness New Roses Ltd
Application No 93/075 Certificate No 413 Expiry Date 26
Feb 2013

'San- Ka' syn. **'Enchantment'** Grantee: **Keisei Rose
Nurseries Inc**
Application No 93/077 Certificate No 411 Expiry Date 26
Feb 2013

'Tanakinom' syn. **'Monica'** Grantee: **Rosen Tantau**
Application No 92/163 Certificate No 417 Expiry Date 27
Oct 2012

SESAME
Sesamum indicum

'Aussie Gold' Grantee: **CSIRO, Division of Tropical
Crops and Pastures**
Application No 92/178 Certificate No 415 Expiry Date 4
Dec 2012

'Beech's Choice' Grantee: **CSIRO, Division of Tropical
Crops and Pastures**
Application No 92/177 Certificate No 416 Expiry Date 4
Dec 2012

SPATHIPHYLLUM
Spathiphyllum hybrid

'Sandra' Grantee: **Alvan Donnan Jr & Norman
Hickerson**
Application No 93/035 Certificate No 408 Expiry Date 29
Apr 2013

SPLEENWORT FERN
Asplenium antiquum

'Victoria' Grantee: **George Beck**
Application No 93/113 Certificate No 407 Expiry Date 27
Apr 2013

SUBTERRANEAN CLOVER
Trifolium subterraneum

'Gosse' Grantee: **The Minister for Primary Industries,
South Australia**
Application No 92/159 Certificate No 425 Expiry Date 27
Oct 2012

APPLICATIONS VARIED

Scaevola aemula **'Royal Fanfare'**, Application No
94/118 to **'Blue Fandango'**.

APPLICATIONS WITHDRAWN

The following applications have been withdrawn and the
varieties are no longer protected:

Phaseolus vulgaris **'Rosario'** and **'Sarande'**,
Applications Nos 93/223 & 93/224.

Rosa **'Dollar'** and **'Selferr'**, Application Nos 91/077 &
91/080.

Lechenaultia biloba **'Autumn Blue'** Application No
89/028.

Fragaria **'Redlands Pinnacle'**, Application No 92/086

Glycine max **'A5980'**, Application No 90/134

Eupatorium ligustrinum **'Snowdrift'**, Application No
92/134

Lilium hybrid **'Venezia'**, Application No 89/065

Avena sativa **'Ensiler'**, Application No 93/114

CORRIGENDA

Cumulative index, PVJ 7(4) 58, *Mandevilla* **'My Fair
Lady'** recorded as withdrawn when it's status is "granted
PVR rights".

APPENDIX 1

Plant Breeders Rights Fees	\$
Application	300
Examination - single application	1400
Examination - application based on overseas test data	1400
Examination - multiple applications*	1200
Certificate of PBR	300

* Applicable to 2 or more varieties of the same species
tested at the same site when applications are lodged simul-
taneously by the same applicant, and descriptions are
subsequently lodged and examined simultaneously.

Annual Fee	300
Other Fees	
Variation to application	100
Copy of an application, an objection or a detailed description	50
Lodging an objection	100
Application for declaration of essential derivation	800
Application for	
(a) revocation of a PBR	500
(b) revocation of a declaration of essential derivation	500
Compulsory license	500
Request under subsection 19(11) for exemption from public access	100
Amendment of the Register on assignment	100
Copy of an entry in the Register	50
Annual subscription to Plant Varieties Journal	40
Back issues of Plant Varieties Journal	14
Other work relevant to PBR - per hour or part of an hour	75

Payment of Fees

All cheques for fees should be made payable and sent to:

**Plant Breeders Rights Australia
DPIE
GPO Box 858
CANBERRA, ACT 2601**

The **application fee** (\$300) must accompany the application at the time of lodgement.

The appropriate **examination fee** must be paid before the expiry of the 12th month from the date of acceptance of the application. The PBR Office will routinely invoice the applicant or their agent for the examination fee at the time nominated on the application form. At the end of the 11th month after acceptance of the application, should the examination fee not have been paid, a final invoice (reminder) will be despatched to the applicant.

Consequences of not paying fees when due*Application fee*

Should an application not be accompanied by the prescribed application fee the application will be deemed to be 'non-valid' and will not be examined for acceptance until the fee is paid.

Examination fee

Non-payment of the examination fee at the expiry of 12 months from the date of acceptance of an application will automatically result at the end of 12 months in the application being deemed withdrawn unless deferment is requested and granted. The consequences of refusal are the same as for applications deemed to be inactive (see 'inactive applications' below).

Field examinations and final examinations falling within the first 12 months will *not* be undertaken without prior payment of the examination fee.

Consideration of a request for an extension of the period of provisional protection from the initial 12 month period requires the prior payment of the examination fee if the variety has been commercialised.

Certificate fee

Following the successful completion of the examination, including the public notice period, the applicant will be required, and invoiced, to pay the certification fee. Payment of the certification fee is a prerequisite to granting PBR and issuing the official certificate by the PBR Office. Failure to pay the fee may result in a refusal to grant PBR.

Renewal fee

Should an annual renewal fee not be paid within 30 days after the due date the grant of PBR will be revoked under S50 of the PBR Act. To assist grantees the PBR Office will invoice grantees or their Australian agents for renewal fees.

Inactive applications

An application will be deemed inactive if, after 24 months of provisional protection (or 12 months in the case of non-payment of the examination fee) the PBR Office has not received a completed application or an extension of provisional protection has not been requested or not granted or a certificate fee has not been paid. Inactive applications will be examined and, should they not fully comply with Section 26 of the *PBR Act 1994*, they will be refused. As a result provisional protection will lapse, priority claims on that variety will be lost and should the variety have been sold, it will be ineligible for plant variety rights on reapplication. *Continued use of labels or any other means to falsely imply that a variety is protected after the application has been refused is an offence under Section 53(1) of the Act.*

APPENDIX 2**Plant Breeders Rights Advisory Committee (PBRAC)**

Members of the PBRAC hold office in accordance with Section 85 of the *Plant Breeders Rights Act 1994*.

Dr Kevin Boyce
Principal Officer, Seed Services
Plant Services Division
SA Department of Agriculture
GPO Box 1671
ADELAIDE SA 5001
Representative with appropriate qualifications and experience

Dr Bryan Cox
General Manager, Research & Development, Goodman Fielder Ingredients Ltd
Private Bag 396
GLADESVILLE NSW 2111
Representative of consumers

Mr Rodney Field
WMR Box 758
ESPERANCE WA 6450
Representative with appropriate qualifications and experience.

Dr Andrew Granger
Senior Research Officer, SA Research and Development Institute
c/- Lenswood Horticultural Centre
LENSWOOD SA 5240
Representative of breeders

Dr Brian Hare
Director of Research
Pacific Seeds
PO Box 337
TOOWOOMBA QLD 4350
Representative of breeders.

Dr Mick Lloyd (Chair)
Registrar Plant Breeders Rights
GPO Box 858
CANBERRA ACT 2601

Mr Edgar (Ben) Swane
Director Swane Bros P/L
Galston Road
DURAL NSW 2158
Representative of producers

APPENDIX 3

INDEX OF ACCREDITED CONSULTANT 'QUALIFIED PERSONS'

The following persons have been accredited by Plant Breeders Rights Australia (PBRA) based on information provided by these persons. From the information provided by the applicants, the PBRA believes that these people can fulfil the role of 'qualified person' in the application for plant breeder's rights. Neither accreditation nor publication of a name in list of persons is an implicit recommendation of the person so listed. The PBRA cannot be held liable for damages that may arise from the omission or inclusion of a person's name in the list. PBRA cannot assume any responsibility for losses or damages arising from agreements entered into between applicants and any person in the list of accredited persons. Qualified persons charge a fee for services rendered.

A guide to the use the index of consultants:

- locate in the left column of Table 1 the plant group for which you are applying;
- listed in the right column are the names of accredited qualified persons from whom you can choose a consultant;
- in Table 2 find that consultants name, telephone number and area in which they are willing to consult (they may consult outside the nominated area);
- using the "Nomination of Qualified Person" form as a guide, agree provisionally on the scope and terms of the consultancy; complete the form and attach it to Part 1 of the application form;
- When you are notified that your nomination of a consultant qualified person is acceptable in the letter of acceptance of your application for PBR you should again consult the qualified person when planning the rest of the application for PBR.

TABLE 1

PLANT GROUP/SPECIES/FAMILY	CONSULTANT'S NAME (TELEPHONE AND AREA IN TABLE 2)
Apple	Baxter, Leslie Jotic, Predo Mackay, Alastair Mitchell, Leslie Robinson, Ben Scholefield, Peter Sterne, Peter Tancred, Stephen Valentine, Bruce
Aquatic	Birkhill, Ann-Marie
Aroid	Clarke, Charles
Azalea	Barrett, Mike Hempel, Maciej Paananen, Ian
Barley (Common)	Rees, Robert Trethowan, Richard
Berry Fruit	Robinson, Ben Scholefield, Peter Wilson, Stephen
Blueberry	Barthold, Graham
Brassica	Aberdeen, Ian Cross, Richard Kadkol, Gururaj Robinson, Ben Scholefield, Peter
Bromeliads	Clarke, Charles
Buddleia	Robb, John
Butterfly Bush	Paananen, Ian
Camellia	Paananen, Ian Robb, John

Table 1 - continued

Carnivorous Plants	Clarke, Charles
Cereals	Bullen, Kenneth Cook, Bruce Cooper, Kath Cross, Richard Davidson, James Derera, Nicholas AM Hare, Raymond Henry, Robert J Law, Mary Ann McDonald, David Mitchell, Leslie Oates, John Poulsen, David Reid, Robert Rees, Robert Rose, John Smart, Geoffrey Stearne, Peter Stuart, Peter Vertigan, Wayne Williams, Warren Wilson, Frances
Cherry	Kennedy, Peter Mackay, Alastair Mitchell, Leslie Robinson, Ben Scholefield, Peter
Citrus	Edwards, Megan Fox, Primrose Lee, Slade McDonald, David Mitchell, Leslie Robinson, Ben Scholefield, Peter Sykes, Stephen
Clover	Mitchell, Leslie Nichols, Phillip
Conifer	Stearne, Peter
Cotton	Bullen, Kenneth Derera, Nicholas AM Leske, Richard Thomson, Norman
Cucurbits	Cross, Richard Herrington, Mark Robinson, Ben Scholefield, Peter Sykes, Stephen
Cydonia	Baxter, Leslie
Dogwood	Stearne, Peter
Feijoa	McDonald, David Robinson, Ben Scholefield, Peter

Table 1 - continued

Fig	FitzHenry, Daniel
Forage Grasses	Bray, Robert Kirby, Greg Mitchell, Leslie
Fruit	Bath, Geoffrey Beal, Peter Lenoir, Roland Mitchell, Leslie Pearson, Craig Robinson, Ben Scholefield, Peter
Grapes	Bath, Geoffrey Biggs, Eric Mitchell, Leslie Robinson, Ben Scholefield, Peter Stearne, Peter Sykes, Stephen
Grevillea	Herrington, Mark
Hydrangea	Hanger, Brian
Industrial Crops	Milthorpe, Peter
Jojoba	Dunstone, Bob
Kangaroo Paw	Kirby, Greg
Legumes	Aberdeen, Ian Bowman, Alison Bray, Robert Cook, Bruce Downes, Ross Hacker, Byran Imrie, Bruce Kirby, John Knights, Edmund Law, Mary Ann Loch, Don McDonald, David Mitchell, Leslie Reid, Robert Rose, John
Lucerne	Mitchell, Leslie Nichols, Phillip
Magnolia	Paananen, Ian
Myrtaceae	Dunstone, Bob Reid, Robert
Neem	Friend, Joe
Oat	Rees, Robert Trethowan, Richard
Oilseed crops	Downes, Ross Poulsen, David

Table 1 - continued

Onions	Cross, Richard Fennell, John Robinson, Ben Scholefield, Peter Strange, Pamela
Orchids	Clarke, Charles
Ornamentals - Exotic	Armitage, Paul Bath, Geoffrey Birkill, Ann-Marie Collins, Ian Cooling, Beth Cross, Richard Dawson, Iain Derera, Nicholas AM Fisk, Anne Marie Hempel, Maciej Kirkham, Roger Lenoir, Roland Lowe, Greg Lunghusen, Mark Mitchell, Leslie Nichols, David Oates, John Paananen, Ian Robb, John Robinson, Ben Scholefield, Peter Singh, Deo Stewart, Angus Strange, Pamela Watkins, Phillip
Ornamentals - Indigenous	Allen, Paul Barrett, Mike Beal, Peter Boden, Robert Bound, Sally Anne Collins, Ian Cooling, Beth Dawson, Iain Derera, Nicholas AM Downes, Ross Fisk, Anne Marie Henry, Robert J Hockings, David Jack, Brian Jusaitis, Manfred Kirby, Greg Kirkham, Roger Lenoir, Roland Lowe, Greg Lunghusen, Mark Milthorpe, Peter Molyneux, W M Nichols, David Oates, John Robinson, Ben Scholefield, Peter Singh, Deo Sedgley, Margaret Strange, Pamela

Table 1 - continued

	Tan, Beng Watkins, Phillip Worrall, Ross
Ornithopus	Nichols, Phillip
Osmanthus	Paananen, Ian Robb, John
Pastures & Turf	Aberdeen, Ian Avery, Angela Bowman, Alison Cook, Bruce Cunningham, Peter Downes, Ross Harrison, Peter Hacker, Bryan Kirby, Greg Lee, Choo Kiang Loch, Don Miller, Jeff Mitchell, Leslie Rose, John Smith, Raymond Williams, Warren Wilson, Frances
Pear	Baxter, Leslie Mackay, Alastair Robinson, Ben Scholefield, Peter Tancred, Stephen Valentine, Bruce
Photinia	Robb, John
Pistacia	Sykes, Stephen
Potatoes	Cross, Richard Fennell, John Kirkham, Roger Robinson, Ben Scholefield, Peter Strange, Pamela Stearne, Peter
Proteaceae	Reid, Robert Robinson, Ben Scholefield, Peter
Pulse Crops	Bullen, Kenneth Cross, Richard Oates, John
Prunus	Mackay, Alastair Topp, Bruce
Raspberry	Barthold, Graham Martin, Stephen Robinson, Ben Scholefield, Peter

Table 1 - continued

Rhododendron	Barrett, Mike Paananen, Ian
Roses	Barrett, Mike Cross, Richard Fox, Primrose Hanger, Brian Lee, Peter McDonald, David Robinson, Ben Scholefield, Peter Stearne, Peter Strange, Pamela Swane, Geoff Syrus, A Kim
Rye (Common)	Rees, Robert Trethowan, Richard
Sesame	Imrie, Bruce
Stone Fruit	Barrett, Mike Boucher, Wayne Robinson, Ben Scholefield, Peter Valentine, Bruce
Strawberry	Barthold, Graham Herrington, Mark Martin, Stephen Mitchell, Leslie Morrison, Bruce Robinson, Ben Scholefield, Peter Strange, Pamela Wilson, Stephen
Tomato	Cross, Richard Herrington, Mark Martin, Stephen Robinson, Ben Scholefield, Peter Strange, Pamela
Triticale (x Triticosecale Wittmack)	Rees, Robert Trethowan, Richard
Tropical/Sub-Tropical Crops	Bullen, Kenneth Robinson, Ben Scholefield, Peter
Umbrella Tree	Paananen, Ian
Vegetables	Bath, Geoffrey Beal, Peter Cross, Richard Derera, Nicholas AM Frkovic, Edward Kirkham, Roger Lenoir, Roland Oates, John Pearson, Craig Robinson, Ben

Table 1 - continued

	Scholefield, Peter Scott, Peter Strange, Pamela Van Holthe, Jan Westra
Waratah	Alexander, Susan
Wheat (Aestivum & Durum Groups)	Rees, Robert Trethowan, Richard

TABLE 2

NAME	TELEPHONE	AREA OF OPERATION
Aberdeen, Ian	057-82 1029	SE Australia
Alexander, Susan	002-784 333	TAS
Allen, Paul	07-824 0263	SE QLD, Northern NSW
Armitage, Paul	03-756 7233	VIC
Avery, Angela	060-262205	South Eastern Australia
Barthold, Graham	059-97 1413	Southern VIC
Barrett, Mike	02-875 3087	NSW/ACT
Bath, Geoffrey	057-625520	VIC, Southern NSW, TAS
Baxter, Leslie	002-784 358	TAS
Beal, Peter	07-28 61488	QLD & Northern NSW
Biggs, Eric	050-23 2400 (phone & fax)	Mildura Area
Birkill, Ann-Marie	07-374 1839	Australia
Boden, Robert	06-295 7720	Australia
Boucher, Wayne	002-664 305	TAS
Bound, Sally Anne	002-784 357	TAS
Bowman, Alison	068-887 404	North/Western NSW & QLD
Bray, Robert	07-378 3158	QLD & Northern NSW
Bullen, Ken	063-62 4539	QLD/NSW/VIC
Clarke, Charles	077-81 5727	North QLD
Collins, Ian	045-666 177	Sydney
Cook, Bruce	074-82 1522	QLD
Cooling, Beth	075-934 253(w) 075-332 277(a/h)	Gilston, QLD
Cooper, Katharine	08-372 2280	Australia
Cross, Richard	64 3 325 6400 (ph) 64 3 325 2074 (fax)	NZ
Cunningham, Peter	055-730900	Temperate regions of Australia
Davidson, James	06-246 5071	High rainfall zone of temperate Australia
Dawson, Iain	06-251 2293	ACT, South East NSW
Derera, Nicholas AM	02-639 3072	Australia
Downes, Ross	06-255 1461(ph) & (fax)	ACT, South East NSW
Dunstone, Bob	06-281 1754	South East NSW
Edwards, Megan	050-245603	VIC/NSW
Fennell, John	004-217 633	TAS
Fisk, Anne Marie	059-89 2817	Melbourne region
FitzHenry, Daniel	048-622 487	Sydney and surrounding districts

Table 2 - continued

Fox, Primrose	02-629 2245	Sydney
Friend, Joe	070-914 188	Northern QLD & NSW
Frkovic, Edward	069 62 7333	Australia
Hacker, Bryan	07-377 0210	South QLD, Northern NSW
Hanger, Brian	03-756 7532	VIC
Hare, Ray	067-631 232	QLD, NSW VIC & SA
Harrison, Peter	089-851894	Casuarina, NT and NW of WA
Hempel, Maciej	046-28 0376	NSW, QLD, VIC, SA
Henry, Robert J	07-870 9007	SE QLD
Herrington, Mark	07-286 1488	Southern QLD
Hockings, Francis David	074-943385	Southern QLD
Imrie, Bruce	07-377 0209	SE QLD
Jack, Brian	099-525 040	South West WA
Jotic, Predo	002-664305	TAS
Jusaitis, Manfred	08-336 3755	SA
Kadkol, Gururaj	053-82 1269	North Western VIC
Kennedy, Peter	063-82 1077	Australia
Kirby, Greg	08-201 2176	SA
Kirkham, Roger	059-629218	VIC
Knights, Edmund	067-631 100	North Western NSW
Law, Mary Ann	076-38 4322	Toowoomba region
Lenoir, Roland	06-231 881	Australia
Lee, Choo Kiang	055-730900	South East VIC
Lee, Peter	003-301147	SE Australia
Lee, Slade	071-556 244	QLD/Northern NSW
Leske, Richard	076-713136	Cotton growing regions of QLD & NSW
Loch, Don	074-821522	QLD
Lowe, Greg	043-23 6210	Sydney, Central Coast NSW
Lunghusen, Mark	059-624 768	Melbourne & environs
Mackay, Alastair	097-711 299 Ph 097-712 544 fax	WA
Martin, Stephen	002-784307	TAS
McDonald, David	083-627 911 083-630 610 fax	VIC/NSW/SA/QLD
Miller, Jeff	64-6-358-6019 extn 8106	Manawatu region, NZ
Milthorpe, Peter	068-952099	Condobolin district, NSW
Mitchell, Leslie	058-212 021 058 311 592 fax	VIC, Southern NSW
Molyneux, William	03-728 1222	VIC
Morrison, Bruce	03-210 9251	East of Melbourne
Nichols, David	059-77 4755	SE Melbourne, Mornington Peninsula and Dandenong Ranges, VIC
Nichols, Phillip	09-368 3229	WA
Oates, John	046-51 2601	Sydney region, Eastern Australia
Paananen, Ian	043-62 2418	Sydney/Newcastle
Pearson, Craig	02-692 2222	Australia
Poulsen, David	076-61 2944	SE QLD, Northern NSW
Rees, Robert	076-389 808 076-398 800	SE QLD, Northern NSW
Reid, Robert	003-36 5449	Australia
Robb, John	043-76 1330 043-76 1271(fax)	Sydney, Central Coast NSW
Robinson, Ben	08-373 2488	SE Australia
Rose, John	076-61 2944	SE QLD
Scholefield, Peter	08 373 2488	SE Australia

Table 2 - continued

Scott, Peter	06-653 1362	Sydney region
Sedgley, Margaret	08-372 2242	Adelaide - SA
Singh, Deo	018-880 787 07-207 5998(fax)	Brisbane
Smart, Geoffrey	046 512 600	NSW
Smith, Stuart	003-36 5234	SE Australia
Stearne, Peter	03-654 2088	Melbourne
Stewart, Angus	043-253 944	Sydney, Gosford
Strange, Pamela	08-373 2488	SA
Stuart, Peter	076-902 666	SE QLD
Swane, Geoff	068-89 1545	Central western NSW
Syrus, A Kim	085-56 2555	Adelaide
Tan, Beng	09-351 7168	Perth & environs
Tancred, Stephen	076-81 1255	QLD, NSW
Thomson, Norman	067-93 1105	NSW, QLD
Topp, Bruce	076 811 255	SE QLD, Northern NSW
Trethowan, Richard	053-622 111	VIC
Valentine, Bruce	063 61 3919	NSW
Van Holthe Jan Westra	03-706 3033	Australia
Vertigan, Wayne	003-36 5221	TAS
Watkins, Phillip	09-525 1800	Perth Region
Williams, Warren	64-6-356 8019	NZ
Wilson, Frances	64-3-318 8514	Canterbury, NZ
Wilson, Robert	054-496 244	VIC, Murray Region of NSW
Wilson, Stephen	002-784 364	SE Australia
Worrall, Ross	043-280 300	Australia

GOOD NEWS

for the

NURSERY INDUSTRY!

The *Plant Breeders Rights Act 1994* has now commenced and **PBR Australia** (formerly Plant Variety Rights) is able to offer greater protection and more benefits to plant breeders than ever before.

- ⌘ controlled distribution and sales
- ⌘ penalties for infringement
- ⌘ more species protected
- ⌘ test marketing before application
- ⌘ reduced fees
- ⌘ sustainable returns

PBR Australia - Protecting your investment