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SUBSCRIPTION ENQUIRIES AND ADVERTISING
SHOULD BE ADDRESSED TO:

PLANT BREEDERS RIGHTS AUSTRALIA
GPO BOX 858, CANBERRA ACT 2601
Telephone: (06) 272 4228 Facsimile: (06) 272 3650

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Kathryn Dawes-Read



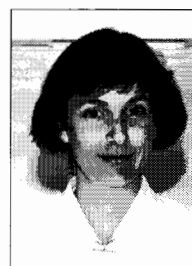
Nik Hulse



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Doug Waterhouse

Part 1 - General Information

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 more than 2 hours.

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 or a comment 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 relating to the above applications must be lodged with the Registrar not later than six months after the date the description of the variety is published in PVJ.

APPLYING FOR PLANT BREEDER'S RIGHTS

Applications are accepted from the original breeder of a new variety (from their employer if the breeder is an employee) or from a person who has acquired ownership from the original breeder. Overseas breeders need to appoint an agent to represent their interests in Australia. Interested parties should contact the Plant Breeders Rights office and an accredited Qualified Person (Appendix 3) experienced in the plant species in question.

Part 2 - Public Notices

ACCEPTANCES

ALSTROEMERIA

Alstroemeria hybrid

'First Love'

Application No: 94/228 Accepted: 27 Mar 1995
Applicant: **Koninklijke Van Zanten BV**, Hillegom, The Netherlands
Agent: **Spruson & Ferguson**, Sydney, NSW

ANGLETON GRASS

Dichanthium aristatum

'Floren' syn. 'CPI 106374'

Application No: 95/113 Accepted: 3 Apr 1995
Applicant: **The State of Queensland through its Department of Primary Industries**, Brisbane, QLD

APPLE

Malus domestica

'Elshof'

Application No: 95/069 Accepted: 28 Feb 1995
Applicant: **Stichting DLO-Centrum voor Plantenveredelingsen Reproductieonderzoek**, Wageningen, The Netherlands
Agent: **Callinan Lawrie**, Kew, VIC

Malus pumila

'Honeycrisp' syn. 'MN1711'

Application No: 95/097 Accepted: 4 Apr 1995
Applicant: **Regents of the University of Minnesota, Office of Research and Technology Transfer**, Minnesota, USA
Agent: **Fleming's Nurseries & Associates Pty Ltd**, Monbulk, VIC

'Superchief'

Application No: 95/123 Accepted: 4 Apr 1995
Applicant: **Charles R Sandidge, Jr**, Etiwat, Washington, USA
Agent: **Fleming's Nurseries & Associates Pty Ltd**, Monbulk, VIC

APRICOT

Prunus armeniaca

'Kinross'

Application No: 95/124 Accepted: 10 Apr 1995
Applicant: **Mr & Mrs Ross Wilson**, Manjimup, WA

'Ruby'

Application No: 95/133 Accepted: 1 May 1995
Applicant: **Allan A Corrin**, California, USA
Agent: **Spruson & Ferguson**, Sydney, NSW

ARGYRANTHEMUM

Argyranthemum frutescens

'Sugar and Ice'

Application No: 95/135 Accepted: 2 May 1995
Applicant: **Protected Plants Promotions & The University of Sydney Plant Breeding Institute**, Camden, NSW
Agent: **The University of Sydney Plant Breeding Institute**, Camden, NSW

AUSTROMYRTUS

Austromyrtus inophloia

'Aurora'

Application No: 95/134 Accepted: 8 May 1995
Applicant: **Dow & Fay Macintyre**, Nambour, QLD
Agent: **Tony & Juna Keblewhite c/- Florabundance Wholesale Nursery**, Verrierdale, QLD

AZALEA*Rhododendron x indica***'Paradise Christine'**

Application No: 95/070 Accepted: 28 Feb 1995
 Applicant: **RJ Cherry, Paradise Plants**, Kulnura, NSW

'Paradise Louise'

Application No: 95/071 Accepted: 28 Feb 1995
 Applicant: **RJ Cherry, Paradise Plants**, Kulnura, NSW

BABY'S BREATH*Gypsophila paniculata***'Festival' syn. 'Pink Festival'**

Application No: 95/065 Accepted: 27 Feb 1995
 Applicant: **Danziger - 'Dan' Flower Farm**, Israel
 Agent: **Burbank Biotechnology Pty Ltd**, Tuggerah, NSW

'Magic Gilboa' syn. 'Gilboa'

Application No: 95/063 Accepted: 22 Feb 1995
 Applicant: **Danziger - 'Dan' Flower Farm**, Israel
 Agent: **Burbank Biotechnology Pty Ltd**, Tuggerah, NSW

'Magic Golan' syn. 'Golan'

Application No: 95/064 Accepted: 22 Feb 1995
 Applicant: **Danziger - 'Dan' Flower Farm**, Israel
 Agent: **Burbank Biotechnology Pty Ltd**, Tuggerah, NSW

'White Festival'

Application No: 95/066 Accepted: 27 Feb 1995
 Applicant: **Danziger - 'Dan' Flower Farm**, Israel
 Agent: **Burbank Biotechnology Pty Ltd**, Tuggerah, NSW

BANANA*Musa acuminata x balbisiana***'Goldfinger'**

Application No: 95/145 Accepted: 3 May 1995
 Applicant: **Fundacion Hondurena de Investigacion Agricola (FHIA), San Pedro Sula**, Honduras Central America
 Agent: **The State of Queensland through its Department of Primary Industries**, Brisbane, QLD

BARLEY*Hordeum vulgare***'Chieftain' syn. '1846-4139'**

Application No: 95/129 Accepted: 26 Apr 1995
 Applicant: **Plant Breeding International Cambridge Ltd**, Cambridge, UK
 Agent: **Heritage Seeds Pty Ltd**, Mulgrave, VIC

'Empress' breeders reference '90BE32'

Application No: 95/128 Accepted: 26 Apr 1995
 Applicant: **New Zealand Institute for Crop and Food Research Ltd**, Christchurch, NZ
 Agent: **Heritage Seeds Pty Ltd**, Mulgrave, VIC

BERMUDA GRASS*Cynodon dactylon***'Riley's Super Sport'**

Application No: 95/127 Accepted: 11 Apr 1995
 Applicant: **Mr Rodney J Riley**, Guilford, NSW

BLACK LOCUST*Robinia pseudoacacia***'Lace Lady'**

Application No: 95/120 Accepted: 4 Apr 1995
 Applicant: **PJ Cunningham Family Trust**, Whenuapai, Auckland, NZ
 Agent: **Fleming's Nurseries Pty Ltd**, Monbulk, Victoria

BOTHRIOCHLOA*Bothriochloa bladhii***'Swann' syn. 'CPI 11408'**

Application No: 95/114 Accepted: 3 Apr 1995
 Applicant: **The State of Queensland through its Department of Primary Industries**, Brisbane, QLD

BOWER OF BEAUTY*Pandorea jasminoides***'Southern Belle'**

Application No: 95/110 Accepted: 27 Mar 1995
 Applicant: **Rod Parsons**, Hoddle's Creek, VIC

BRACTEANTHA*Bracteantha bracteata***'Gold 'n' Bronze'**

Application No: 95/098 Accepted: 21 Mar 1995
 Applicant: **WR & GM Elliot**, Heathmont, VIC

BRACHYSCOME*Brachyscome angustifolia***'Mardi Gras'**

Application No: 95/099 Accepted: 27 Mar 1995
 Applicant: **Evan Clucas**, Wandin, VIC

CREEK LILLY PILLY*Syzygium australe***'Bush Christmas'**

Application No: 95/132 Accepted: 1 May 1995
 Applicant: **Fairhill Native Plants**, Yandina, QLD

DIGITARIA*Digitaria milaniana***'Strickland' syn. 'CPI 40700'**

Application No: 95/136 Accepted: 2 May 1995
 Applicant: **CSIRO Division of Tropical Crops and Pastures**, St Lucia, QLD

JAPANESE PLUM*Prunus salicina***'Pizazz' syn. '64GC173'**

Application No: 95/138 Accepted: 3 May 1995

Applicant: **Zaiger's Inc Genetics**, California, USA
Agent: **Fleming's Nurseries & Associates Pty Ltd**,
Monbulk, VIC

MANGO

Mangifera indica

'Kensington Red'

Application No: 95/068 Accepted: 28 Feb 1995
Applicant: **C&J Nastasi & Sons Pty Ltd**, Mareeba, QLD

OAT

Avena sativa

'Pallinup' syn. '81Q:359'

Application No: 95/076 Accepted: 28 Feb 1995
Applicant: **Chief Executive Officer of the Department
of Agriculture**, South Perth, WA

NECTARINE

Prunus persica var *nectarina*

'Earliglo' syn. '62RA286'

Application No: 95/121 Accepted: 4 Apr 1995
Applicant: **Zaiger's Inc Genetics**, Modesto, California,
USA
Agent: **Fleming's Nurseries & Associates Pty Ltd**,
Monbulk, VIC

PEARL MILLET

Pennisetum glaucum

'Siromill' syn. 'CPI 114994A'

Application No: 95/139 Accepted: 2 May 1995
Applicant: **CSIRO, Division of Tropical Crops and
Pastures**, St Lucia, QLD

'Royal Glo' syn. '78EE322'

Application No: 95/122 Accepted: 4 Apr 1995
Applicant: **Zaiger's Inc Genetics**, Modesto, California,
USA
Agent: **Fleming's Nurseries & Associates Pty Ltd**,
Monbulk, VIC

PEAR

Pyrus communis

'Tichbon'

Application No: 95/096 Accepted: 6 Mar 1995
Applicant: **Mr Neville G Tichbon & Mr Michael J
Tichbon**, Boyanup, WA

PETUNIA

Petunia axillaris

'Frimled Dragon'

Application No: 95/091 Accepted: 2 Mar 1995
Applicant: **RW Rother**, Emerald, VIC

'Kristy Rader'

Application No: 95/093 Accepted: 2 Mar 1995
Applicant: **RW Rother**, Emerald, VIC

'Palomar Rose'

Application No: 95/087 Accepted: 2 Mar 1995
Applicant: **RW Rother**, Emerald, VIC

'Purple Victory'

Application No: 95/082 Accepted: 1 Mar 1995
Applicant: **RW Rother**, Emerald, VIC

'Sun Avalanche'

Application No: 95/083 Accepted: 1 Mar 1995
Applicant: **RW Rother**, Emerald, VIC

'Sun Dawn'

Application No: 95/089 Accepted: 2 Mar 1995
Applicant: **RW Rother**, Emerald, VIC

'Sun Gleam'

Application No: 95/084 Accepted: 1 Mar 1995
Applicant: **RW Rother**, Emerald, VIC

'Sun Inferno'

Application No: 95/094 Accepted: 2 Mar 1995
Applicant: **RW Rother**, Emerald, VIC

'Sun Mogul'

Application No: 95/092 Accepted: 2 Mar 1995
Applicant: **RW Rother**, Emerald, VIC

'Sun Silverliner'

Application No: 95/086 Accepted: 2 Mar 1995
Applicant: **RW Rother**, Emerald, VIC

'Sun Spoiler'

Application No: 95/085 Accepted: 2 Mar 1995
Applicant: **RW Rother**, Emerald, VIC

'Sun Striker'

Application No: 95/088 Accepted: 2 Mar 1995
Applicant: **RW Rother**, Emerald, VIC

'Sun Vane'

Application No: 95/090 Accepted: 2 Mar 1995
Applicant: **RW Rother**, Emerald, VIC

'Sunwave'

Application No: 95/080 Accepted: 1 Mar 1995
Applicant: **RW Rother**, Emerald, VIC

'White Lace'

Application No: 95/081 Accepted: 1 Mar 1995
Applicant: **RW Rother**, Emerald, VIC

PETUNIA

Petunia integrifolia

'Desert Light' syn. 'Number 1'

Application No: 95/008 Accepted: 21 Mar 1995
Applicant: **Dr Keith Hammett**, Auckland, NZ
Agent: **Pearce's Nurseries Pty Ltd**, McLean's Ridge via
Lismore, NSW

'Dusky Light' syn. 'Number 5'

Application No: 95/012 Accepted: 27 Mar 1995

Applicant: **Dr Keith Hammett**, Auckland, NZ
 Agent: **Pearce's Nurseries Pty Ltd**, McLean's Ridge via
 Lismore, NSW

'Hush Light' syn. 'Hush White'

Application No: 95/013 Accepted: 27 Mar 1995
 Applicant: **Dr Keith Hammett**, Auckland, NZ
 Agent: **Pearce's Nurseries Pty Ltd**, McLean's Ridge via
 Lismore, NSW

'Magenta Light' syn. 'Number 11'

Application No: 95/010 Accepted: 27 Mar 1995
 Applicant: **Dr Keith Hammett**, Auckland, NZ
 Agent: **Pearce's Nurseries Pty Ltd**, McLean's Ridge via
 Lismore, NSW

'Mauve Light' syn. 'Number 13'

Application No: 95/009 Accepted: 27 Mar 1995
 Applicant: **Dr Keith Hammett**, Auckland, NZ
 Agent: **Pearce's Nurseries Pty Ltd**, McLean's Ridge via
 Lismore, NSW

'Pink Light' syn. '205/7'

Application No: 95/011 Accepted: 27 Mar 1995
 Applicant: **Dr Keith Hammett**, Auckland, NZ
 Agent: **Pearce's Nurseries Pty Ltd**, McLean's Ridge via
 Lismore, NSW

'Tiger Light'

Application No: 95/014 Accepted: 27 Mar 1995
 Applicant: **Dr Keith Hammett**, Auckland, NZ
 Agent: **Pearce's Nurseries Pty Ltd**, McLean's Ridge via
 Lismore, NSW

PHALARIS

Phalaris aquatica

'BP 92'

Application No: 95/141 Accepted: 2 May 1995
 Applicant: **CSIRO, Division of Plant Industry**,
 Canberra, ACT

RHODES GRASS

Chloris gayana

'Nemkat' syn. 'CPI 125663'

Application No: 95/115 Accepted: 24 Apr 1995
 Applicant: **The State of Queensland through its
 Department of Primary Industries**, Brisbane, QLD

ROSE

Rosa

'Chewizz' syn. 'Warm Welcome'

Application No: 95/130 Accepted: 26 Apr 1995
 Applicant: **Mr CH Warner, Warners Roses**, Shropshire,
 England
 Agent: **Wagners Rose Nursery**, McLaren Vale, SA

'Interlis' syn. 'Lydia'

Application No: 95/116 Accepted: 3 Apr 1995
 Applicant: **Interplant BV**, Leersum, The Netherlands
 Agent: **Grandiflora Nurseries Pty Ltd**, Cranbourne, VIC

'Meiburti' syn. 'Luna'

Application No: 95/103 Accepted: 22 Mar 1995
 Applicant: **SNC Meilland & Cie**, Le Luc en Provence,
 France
 Agent: **HA Oakes and Son**, Carrum Downs, VIC

'Meidipser' syn. 'Bright Spot'

Application No: 95/104 Accepted: 22 Mar 1995
 Applicant: **SNC Meilland & Cie**, Le Luc en Provence,
 France
 Agent: **HA Oakes and Son**, Carrum Downs, VIC

'Meiguitan' syn. 'Marylin'

Application No: 95/105 Accepted: 22 Mar 1995
 Applicant: **SNC Meilland & Cie**, Le Luc en Provence,
 France
 Agent: **HA Oakes and Son**, Carrum Downs, VIC

'Meiguni' syn. 'Tequila'

Application No: 95/101 Accepted: 22 Mar 1995
 Applicant: **SNC Meilland & Cie**, Le Luc en Provence,
 France
 Agent: **HA Oakes and Son**, Carrum Downs, VIC

'Meineyta' syn. 'Anita'

Application No: 95/102 Accepted: 22 Mar 1995
 Applicant: **SNC Meilland & Cie**, Le Luc en Provence,
 France
 Agent: **HA Oakes and Son**, Carrum Downs, VIC

'Metset' syn. 'Cristian'

Application No: 95/078 Accepted: 1 Mar 1995
 Applicant: **Interplant BV**, Leersum, The Netherlands
 Agent: **Grandiflora Nurseries Pty Ltd**, Cranbourne, VIC

'Prebian' syn. 'Bianca'

Application No: 95/117 Accepted: 3 Apr 1995
 Applicant: **Prego Royalty BV**, Naaldwijk, The
 Netherlands
 Agent: **Grandiflora Nurseries Pty Ltd**, Cranbourne, VIC

'Ruikuik' syn. 'Cream Propphyta'

Application No: 95/118 Accepted: 3 Apr 1995
 Applicant: **Anton Pouw, De Ruiter's Nieuwe Rozen BV**,
 Hazerswoude, The Netherlands
 Agent: **Grandiflora Nurseries Pty Ltd**, Cranbourne, VIC

'Schovian' syn. 'Viviane'

Application No: 95/119 Accepted: 4 Apr 1995
 Applicant: **PJW Schreurs**, Dekwakel, The Netherlands
 Agent: **Grandiflora Nurseries Pty Ltd**, Cranbourne, VIC

'SUNdel' syn. 'Delilah'

Application No: 95/077 Accepted: 1 Mar 1995
 Applicant: **Frank Bart Schuurman**, Whenuapai, NZ
 Agent: **Grandiflora Nurseries Pty Ltd**, Cranbourne, VIC
'SUNyel' syn. 'Little Nugget'

Application No: 95/079 Accepted: 1 Mar 1995
 Applicant: **Frank Bart Schuurman**, Whenuapai, NZ
 Agent: **Grandiflora Nurseries Pty Ltd**, Cranbourne, VIC

'Yu Giri'

Application No: 93/238 Accepted: 12 Jan 1994
 Applicant: **Keisei Rose Nurseries Inc**, Chiba, Japan

Agent: **S Brundrett & Sons (Roses) Pty Ltd**, Narre Warren North, VIC

SCHLUMBERGERA
Schlumbergera x reginae

'St Andrew'
Application No: 95/131 Accepted: 1 May 1995
Applicant: **Mr Andrew D Savio**, Bayswater North, VIC

SERRADELLA
Ornithopus x sativus x compressus

'Grasslands Spectra' syn. 'G20'
Application No: 95/072 Accepted: 10 Mar 1995
Applicant: **New Zealand Pastoral Agriculture Research Institute Limited**, Palmerston North, NZ
Agent: **AE Stratton, AgResearch Grasslands**, Albury, NSW

SOYBEAN
Glycine max

'9521' syn. 'Soya 521'
Application No: 95/143 Accepted: 2 May 1995
Applicant: **Pioneer Hi-Bred International**, Iowa, USA
Agent: **Pioneer Hi-Bred Australia Ltd**, Toowoomba, QLD

TREE FERN
Cyathea cooperi

'Allyn Krest'
Application No: 95/095 Accepted: 6 Mar 1995
Applicant: **VF & NC Jupp, Riverdene Nurseries**, East Gresford, NSW

WARATAH
Telopea speciosissima

'Dreaming'
Application No: 95/111 Accepted: 27 Mar 1995
Applicant: **Brian Fitzpatrick**, Windsor, NSW

'In the Pink' syn. 'No 359'
Application No: 95/037 Accepted: 28 Feb 1995
Applicant: **Yellow Rock Native Nursery Pty Ltd**, Winmalee, NSW & **Paul Nixon**, Camden, NSW
Agent: **Yellow Rock Native Nursery Pty Ltd**, Winmalee, NSW

WEeping FIG
Ficus benjamina

'Francis' syn. 'Francis Goldstar'
Application No: 95/062 Accepted: 22 Feb 1995
Applicant: **Denis - Plants b.v.b.a.**, Lochristi, Belgium
Agent: **Burbank Biotechnology Pty Ltd**, Tuggerah, NSW

WEeping GRASS
Microlaena stipoides

'Flinders'
Application No: 95/140 Accepted: 2 May 1995
Applicant: **Mr Tim Berryman**, Windsor, NSW

'Griffin' syn. '703.6.12'
Application No: 95/052 Accepted: 21 Mar 1995
Applicant: **University of New England, Botany Department**, Armidale, NSW

WHEAT
Triticum aestivum

'Cascades' syn. '84Z:1156'
Application No: 95/075 Accepted: 28 Feb 1995
Applicant: **Chief Executive Officer of the Department of Agriculture**, South Perth, WA

'Dataline' syn. '84W:1147'
Application No: 95/073 Accepted: 28 Feb 1995
Applicant: **Chief Executive Officer of the Department of Agriculture**, South Perth, WA

'Tammin' syn. '81W:1138'
Application No: 95/074 Accepted: 28 Feb 1995
Applicant: **Chief Executive Officer of the Department of Agriculture**, South Perth, WA

WHITE CLOVER
Trifolium repens

'Grasslands Challenge' syn. 'G23'
Application No: 95/106 Accepted: 3 Apr 1995
Applicant: **New Zealand Pastoral Agriculture Research Institute Limited**, Palmerston North, NZ
Agent: **AgResearch Grasslands**, Albury, NSW

'Grasslands Sustain'
Application No: 95/107 Accepted: 3 Apr 1995
Applicant: **New Zealand Pastoral Agriculture Research Institute Limited**, Palmerston North, NZ
Agent: **AgResearch Grasslands**, Albury, NSW

WHITE LUPIN
Lupinus albus

'Lago Azzurro'
Application No: 95/112 Accepted: 4 Apr 1995
Applicant: **Mt Gambier Property Trust c/- Ingliss and Rowe**, Adelaide, SA

DESCRIPTIONS

APPLE
Malus domestica

'Galaxy'
Application No: 94/033 Accepted: 1 Feb 1994
Applicant: **KW Kiddle**, Havelock North, NZ
Agent: **Australian Nurserymen's Fruit Improvement Company Ltd**, Sydney, NSW

Description (Table 1, Figure 1) Plant: spreading habit, medium vigour tree, most fruit borne on shoots. Dormant 1 year old shoot medium pubescence on upper half; shoot thickness medium; lenticel number medium. Leaf: attitude upward; medium size; length:width ratio medium; pubescence of lower side medium; glossiness of upper free side medium. Petiole: length medium. Flower: size medium; upper side petal pink. Fruit: size medium; shape flat globose; in side view symmetric; ribbing absent; distal end crowned; fruit eye aperture closed, small, depth and width of eye basin medium; sepal length medium, touching at base; stalk long, thickness medium; stalk cavity deep, width medium. Fruit surface: smooth, bloom and greasiness of skin absent; fruit ground colour yellow; very high over-colour with solid flush; russetting absent; lenticel size medium; flesh medium browning and firm; colour white; texture medium; juiciness medium. Fruit cross section shows core line and locules. Flowering begins 5 Oct, Havelock North, NZ, fruit ripens early.

Origin Spontaneous mutation: 'Royal Gala' 1983. Breeder: Kenneth Kiddle, Havelock North, NZ. Selection criteria: fruit colour (earlier and darker) colour development on fruit in the centre of the tree. Propagation: budding/grafting for five generations.

Comparative Trials Comparator: 'Royal Gala'. Location: ANFIC Trial Block, Towac Road, Orange, NSW 1995. Conditions: 3 'Galaxy' trees budded onto seedling rootstock in quarantine in 1989 before transplanting in Sep 1992; 'Royal Gala' propagated by cuttings.

Prior Applications and Sales PVR/PBR granted as 'Galaxy' in France; Switzerland; Great Britain; Germany; Hungary; USA; NZ. 'Galaxy' first sold New Zealand 1991

Description: **Bruce Valentine, Valentine Horticultural Services, Orange, NSW**

Table 1 Apple Varieties

(* = comparator)

	'Galaxy'	**'Royal Gala'
TYPE OF OVER-COLOUR OF SKIN	solid flush and over striping	striped
OVER-COLOUR OF SKIN	red purple	red
AMOUNT OF OVER-COLOUR OF SKIN	very high	high

'Summertime' syn. 'AG-E-93'

Application No: 94/087 Accepted: 6 May 1994

Applicant: **Henry Franklin, Stanthorpe, QLD**

Agent: **Australian Nurserymens Fruit Improvement Company Ltd, Sydney, NSW**

Description (Table 2, Figure 2) Plant: upright tree of medium vigour. Shoot (dormant 1 year wood) weak pubescence, thickness medium, internode length medium, lenticel number medium. Bud: pubescence absent. Leaf: attitude downwards, length without petiole medium (92mm), width broad (57mm), length:width ratio medium, margin crenate, upper side glossiness weak. Petiole: length medium (31mm). Flower: size medium, light pink when unopened; petal margin overlapping, intensity of upper petal colour weak. Fruit: size medium-large, shape globose conical, height:width ratio medium, maximum width of fruit above middle, ribbing absent, crowning at distal end weak, eye aperture open; eye basin shallow (4mm), width medium (24mm); sepal length medium, sepals touching at base; fruit stalk thickness medium, length long; stalk cavity depth shallow (8mm), width medium (27mm); surface relief of fruit smooth, bloom and greasiness of skin absent; ground colour of skin green yellow (RHS 150B) with streaked red (RHS 46A) over colour high; russetting low confined to stalk cavity; lenticel size medium; flesh firmness medium, cream, texture medium, juiciness medium; aperture of locules half-closed.

Origin Controlled pollination: 'Adina' (seed parent) by 'Goldina' (pollen parent) 1976. Breeder: Henry Franklin, Stanthorpe, QLD. Selection criteria: very early maturity, firmness of flesh and high colouration. Propagation: three cycles. Commercial production: vegetatively propagated (budding or grafting)

Comparative Trials Comparators: 'Adina' and 'Goldina'. Location: Stanthorpe QLD. Conditions: trees growing in a granite-derived sandy loam soil, drought conditions (189mm rainfall Jun-Nov, 106mm Dec 1994) may have reduced fruit size. Measurements: 10 fruits selected from a 20-fruit sample harvested from one mature tree of each variety. Fruit from 14 top-worked trees 1990, grafting wood from a second generation mother tree, used to test for stability and uniformity.

Prior Applications and Sales Nil

Description: **Bruce Valentine, Valentine Horticultural Services, Orange, NSW**

Table 2 Apple Varieties

(* = comparator)

	'Summertime'	*'Adina'	**'Goldina'
TREE: HABIT	upright	spreading	spreading
LEAF: GENERAL POSE	downwards	outwards	upwards
LEAF: MARGIN INDENTATION	crenate	dentate	dentate
TIME OF FLOWERING (10% open)	19 September	25 September	28 September

Table 2 Apple Varieties - continued

TIME OF FRUIT RIPENING	7 January	25 January	29 January
FRUIT: OVER-COLOUR OF SKIN (RHS)	red 46A	red-purple 60A	red 43B
FRUIT: GROUND COLOUR OF SKIN (RHS)	green yellow 150B	whitish green 150D	green yellow 154C
FRUIT: AMOUNT OF OVER-COLOUR OF SKIN	high	medium	low

BAHIA GRASS*Paspalum notatum***'Riba' syn. 'CPI 23944'**

Application No: 94/151 Accepted: 8 Aug 1994

Applicant: **NSW Agriculture**, Orange, NSWAgent: **Wright Stephenson Seeds**, Seven Hills, NSW

Description (Table 3, Figure 3) Plant: perennial, shade tolerant, dwarf, short stout rhizomes forming tough but not extensive sods. Rhizome: enclosed by firm persistent bases of old sheaths; leaves crowded at base, over-lapping sheaths usually short, blades stiffly erect, in distichous tuft near culm base; blade flat, 5-20cm long, 3-5mm wide; ligule a minute membrane with a dense row of white hairs c. 0.5mm long; culms simple, to 0.5m high, glabrous, flattened, nodes dark. Inflorescence: 2 sub-conjugate racemes with common axis to c. 5mm long, erect or slightly curved, 3-8cm long, 5mm wide. Spikelets borne singly in 2 rows, 3-3.5mm long, 2mm wide, ovate, straw coloured when mature; lower glume absent; upper glume and sterile lemma equal, firm, smooth, 3-5 nerved; mature florets consisting of a sterile lemma, upper glume, lemma and palea enclosing a brown caryopsis c. 2mm long.

Origin Unknown, possibly from natural grasslands, Uruguay. Breeder: Mr Graeme Wilson, NSW Agriculture, Grafton, NSW. Selection criteria: dwarf habit for more than 10 generations. Commercial propagation: seed.

Comparative Trials Comparators: 'Pensacola', 'Argentine' and 'Competitor'. Location: NSW Agriculture, Research and Advisory Station, Grafton, NSW, Feb 1994 - Jan 1995. Conditions: seed germinated in propagation pellets in a glasshouse. Seedlings transplanted into nursery rows. Irrigated as needed and plants not water stressed. No pesticides applied, plots hand weeded. Urea applied during vegetative growth. Trial design: randomised complete block with 3 replicates, 50 plants of each variety sown in rows. Measurements: 150 plants of each cultivar for measurements/observations.

Prior Applications and Sales Nil

Description: **Alison Bowman**, NSW Agriculture, Trangie, NSW

Table 3 Bahia Grass Varieties

(*=Comparator)

	'Riba'	*'Competitor'	*'Argentine'	*'Pensacola'
PEDUNCLE LENGTH (cm)				
mean	39.1	73.6	67.5	85.2
std deviation	6.8	14.5	7.8	10.5
LSD(0.01)/significance	4.9	P<0.01	P<0.01	P<0.01
LENGTH OF SEED HEAD RACEME (cm)				
mean	7.0	12.1	12.5	10.6
std deviation	1.2	3.5	1.5	1.7
LSD(0.01)/significance	0.7	P<0.01	P<0.01	P<0.01
WIDTH OF MID LEAF (mm)				
mean	5.2	6.4	6.5	3.6
std deviation	1.1	0.9	0.9	0.7
LSD(0.01)/significance	0.4	P<0.01	P<0.01	P<0.01
LENGTH OF LONGEST LEAF (cm)				
mean	32.7	46.7	49.4	57.8
std deviation	11.5	8.0	15.7	14.6
LSD(0.01)/significance	6.6	P<0.01	P<0.01	P<0.01
SEED WEIGHT (100 seed weight (gm))				
mean	0.23	0.34	0.34	0.19
std deviation	0.01	0.01	0.01	0.01
LSD(0.01)/significance	0.011	P<0.01	P<0.01	P<0.01

BANKSIA*Banksia coccinea***'Waite Crimson'**

Application No: 92/172 Accepted: 18 Nov 1992

Applicant: **Luminis Pty Ltd, The University of Adelaide**, SA

Description (Table 4, Figure 4, 4(a)) Plant: perennial, medium to tall bushy, branching, late Spring flowering, evergreen shrub. Leaf: 22-75mm long, 14-50 mm wide, obovate and truncate; shortly petiolate, dentate margin, mid green RHS 137B and RHS 191B on upper and lower surfaces respectively, moderately hairy when young. Inflorescence: terminal and squat, 65mm long, 83mm wide with styles exerted, crimson. Flower: numerous, hairy grey perianth RHS 190D, crimson style RHS 53A, Peak flowering time October. Polymerase Chain Reaction analysis lack of unique DNA fragment of 1250 bp.

Origin Open pollination: *Banksia coccinea*, 1989. Breeder: Dr M Sedgley, Department of Horticulture, Viticulture and Oenology, Waite Agricultural Research

Institute, University of Adelaide, SA. Selection criteria: yield, colour, bloom quality and time of flowering. Propagation: rooted cuttings.

Comparative Trials Comparator: 'Waite Flame'. Location: Waite Agricultural Research Institute, University of Adelaide, SA, Jul-Dec 1994. Conditions: glasshouse trials, rooted cuttings into sand/peat/perlite mix grown through to 20cm pots. Trial design: 10 plants of each variety in a completely randomised layout. Measurements: leaf length and width from mid point of 17 samples per plant for each variety, peak flowering from field trials 10 samples from one plant per variety. Nucleic acids extracted from mature leaves using CTAB method modified for the extraction of DNA from *Banksia*. Similarity coefficients based on the formula $S = M_{ab}/N_t$, where S the similarity coefficient, M_{ab} the number of genotypes tested and N_t the total number of different bands produced.

Prior Applications and Sales NIL

Description: M. Sedgley, University of Adelaide, SA.

'Waite Flame'

Application No: 94/211 Accepted: 25 Oct 1994

Applicant: **Luminis Pty Ltd, The University of Adelaide, SA**

Description (Table 4, Figure 5, 5(a)) Plant: perennial, medium to tall, bushy, branching, early Spring flowering, evergreen shrub. Leaf: 28-90mm long, 14-55mm wide, obovate and truncate shape, shortly petiolate, dentate margin, mid green (paler below RHS 191B than above RHS 137B), moderately hairy when young. Inflorescence: terminal and squat, 55mm long and 90mm wide with the styles exerted, overall colour orange red. Flower: numerous, hairy grey perianths RHS 190D, styles orange red predominantly RHS 33A with some RHS 25A and RHS 28A, peak flowering time July. Polymerase Chain Reaction analysis indicated a unique DNA fragment of 1250 bp.

Origin Open pollination: *Banksia coccinea*, 1989. Breeder: Dr M Sedgley, Department of Horticulture, Viticulture and Oenology, Waite Agricultural Research Institute, University of Adelaide, SA. Selection criteria: yield, colour, bloom quality and time of flowering. Propagation: rooted cuttings.

Comparative Trials Comparators: 'Waite Crimson'. Location: Waite Agricultural Research Institute, University of Adelaide, SA, Jul-Dec 1994. Conditions: glasshouse trials, rooted cuttings into sand/peat/perlite mix grown through to 20cm pots. Trial design: 10 plants of each variety in completely randomised layout. Measurements: leaf length and width from mid point of 17 samples per plant for each variety, peak flowering from field trials 10 samples from one plant per variety. Nucleic acids extracted from mature leaves using CTAB method

modified for the extraction of DNA from *Banksia*. Similarity coefficients based on the formula $S = M_{ab}/N_t$, where S the similarity coefficient, M_{ab} the number of genotypes tested and N_t the total number of different bands produced.

Prior Applications and Sales NIL

Description: M. Sedgley, University of Adelaide, SA.

Table 4 *Banksia coccinea* genotypes

(comparison of two candidate varieties)

Character	'Waite Flame'	'Waite Crimson'
LEAF WIDTH (mm)		
mean	34.38	47.14
std deviation	3.69	4.97
LSD(0.01)/ significance	5.23	P≤0.01
LEAF LENGTH (mm)		
mean	68.3	52.4
std deviation	5.41	5.84
LSD(0.01)/ significance	14.82	P≤0.01
LEAF WIDTH : LENGTH RATIO		
mean	0.51	0.93
std deviation	0.03	0.14
LSD(0.01)/ significance	0.01	P≤0.01
FLOWER COLOUR (RHS)		
	33A	53A
MONTH OF BLOOM		
	July	October
DNA SIMILARITY (%)		
	100	58.3
Unique DNA fragment (bp)		
	1250	-

COTTON

Gossypium hirsutum

'DP 5415' syn. 'Blanca'

Application No: 93/219 Accepted: 7 Oct 1993

Applicant: **Delta and Pine Land Company**, Scott, Mississippi, USA

Australian Agent: **Deltapine Australia Pty Ltd**, Goondiwindi, QLD

Description (Table 5, Figure 6) Plant: bushy, spreading, medium height, medium foliage density. Fruiting branches long, first fruiting branch mainly at node 6. Leaf: palmate, 105x136mm, slight leaf pubescence along veins, gossypol

glands and nectaries present. Flower: cream, stigma level with anthers. Boll: size small, 40x28mm, elliptical, medium prominence of tip, opening strong, well fluffed; boll bract size medium, 47.9x24.9mm. Pedicel: length short 22mm. Lint: turn-out high, 41.0%, fibre length medium 1.17in, fibre strength medium 30.2 g/tex, fibre fineness (micronaire) medium 4.1. Bacterial blight susceptible.

Origin Controlled pollination: 'DP Acala 90' x 'DP 50', Casa Grande, Arizona 1982. Breeder: Larry Burdett, Delta and Pine Land Company, USA. Selection criteria: yield, fibre and adaptability.

Comparative Trials Comparators: 'DP 90', 'Sicala 34', 'CS 50'. Location: 'Mundine' Goondiwindi, QLD, Nov 1993 to Apr 1994. Conditions: plants in black cracking clay soil in open. Trial design: 5 replicates of each variety in 12m rows, fibre data from randomised block design trials with six replications. Measurements: all samples from undamaged plants, 10 plants selected at random from rows in each replicate. Leaf samples from the fifth node from top. Boll, pedicel and bract measurements from mature bolls on first position of the third fruiting branch.

Prior Applications: Granted as 'DP 5415', USA 1993.

Description: **Richard Leske, Deltapine Australia Pty Ltd, Goondiwindi, QLD**

Table 5 Cotton Varieties

(* = comparator)

	'DP 5415'	*'DP 90'	*'Sicala 34'	*'CS 50'
PLANT HEIGHT (cm)				
mean	88.3	104.1	97.0	100.3
std deviation	5.24	4.80	5.56	4.86
LSD(0.01)/ significance	1.92	P≤0.01	P≤0.01	P≤0.01
LEAF WIDTH (cm)				
mean	13.6	13.5	13.1	13.7
std deviation	1.59	1.00	1.01	0.98
LSD(0.01)/ significance	0.61	ns**	P≤0.01	ns
LEAF LENGTH (cm)				
mean	10.5	10.3	10.7	10.9
std deviation	1.16	0.67	0.82	0.86
LSD(0.01)/ significance	0.50	ns	P≤0.01	ns
FRUITING BRANCH LENGTH (cm)				
mean	15.1	10.0	12.1	15.2
std deviation	3.92	4.81	4.23	3.51
LSD(0.01)/ significance	2.20	P≤0.01	P≤0.01	ns
FRUIT BRANCH NODE 1 (cm)				
mean	7.5	4.6	6.5	8.0
std deviation	2.94	2.99	2.94	3.56
LSD(0.01)/ significance	1.68	P≤0.01	P≤0.01	ns

Table 5 Cotton Varieties - continued

FRUIT BRANCH NODE 2 (cm)				
mean	7.6	5.5	5.7	7.2
std deviation	3.07	2.87	2.85	2.47
LSD(0.01)/ significance	1.56	P≤0.01	ns	ns
BOLL LENGTH (cm)				
mean	4.0	4.3	4.1	3.9
std deviation	0.33	0.23	0.31	0.34
LSD(0.01)/ significance	0.15	P≤0.01†	ns	ns
BOLL WIDTH (cm)				
mean	2.8	2.9	2.7	2.8
std deviation	0.19	0.17	0.18	0.18
LSD(0.01)/ significance	0.09	ns	P≤0.01	ns
PEDICEL LENGTH (cm)				
mean	2.22	2.40	2.48	2.47
std deviation	0.42	0.50	0.45	0.37
LSD(0.01)/ significance	0.23	ns	P≤0.01	ns
BRACT LENGTH (cm)				
mean	4.8	4.9	4.5	4.4
std deviation	0.48	0.40	0.47	0.47
LSD(0.01)/ significance	0.24	ns	ns	P≤0.01
BRACT WIDTH (cm)				
mean	2.5	2.5	2.2	2.4
std deviation	0.33	0.43	0.32	0.57
LSD(0.01)/ significance	0.24	ns	P≤0.01	ns
LINT (%)				
mean	41.0	39.5	39.3	41.5
std deviation	0.97	0.83	1.04	0.89
LSD(0.01)/ significance	0.91	ns	ns	P≤0.01
FIBRE QUALITY CHARACTERISTICS				
LENGTH (inch)				
mean	1.18	1.16	1.16	1.20
std deviation	0.02	0.03	0.02	0.03
LSD(0.01)/ significance	0.02	ns	ns	P≤0.01
ELONGATION				
mean	8.8	7.9	7.9	7.5
std deviation	0.34	0.13	0.19	0.17
LSD(0.01)/ significance	0.33	P≤0.01	P≤0.01	P≤0.01
STIGMA POSITION (1=above; 2=level; 3=below stamen)				
mean	2	2	2	1
std deviation	0.59	0.38	0.61	0.38
LSD(0.01)/ significance	0.26	ns	ns	P≤0.01

** = not significant

'DP 5690' syn. 'Linda'

Application No: 93/218 Accepted: 7 Oct 1993

Applicant: **Delta and Pine Land Company**, Scott, Mississippi, USAAgent: **Deltapine Australia Pty Ltd**, Goondiwindi, QLD

Description (Table 6, Figure 7) Plant: tall, cylindrical, medium foliage density. Fruiting branches medium length, first fruiting branch mainly at node 6. Leaf: palmate, medium size 116x144mm, slight leaf pubescence along veins; gossypol glands and nectaries present. Flower: cream, stigma level with anthers. Boll: size medium, 41x29mm, elliptical, medium prominence of tip, opening strong, well fluffed; boll bract size large, 49.4mm x 27.1mm. Pedicel: length medium, 25mm. Lint: turn-out high, fibre length medium 1.17in, fibre strength medium 30.2 g/tex, fibre fineness (micronaire) medium 4.1. Bacterial blight susceptible.

Origin Open pollination: 'DP Acala 90' x 'DP 80', Casa Grande, Arizona 1981. Breeder: Larry Burdett, Delta and Pine Land Company, USA. Selection criteria: yield, fibre and adaptability.

Comparative Trials Comparators: 'DP 90', 'Sicala 34', 'CS 50'. Location: 'Mundine' Goondiwindi, QLD, Nov 1993 to Apr 1994. Conditions: plants in a black cracking clay soil in the open. Trial design: 5 replicates of each variety in 12m rows, fibre data from randomised block design trials with six replications. Measurements: all samples from undamaged plants, 10 plants selected at random from rows in each replicate. Leaf samples from the leaf of fifth node from top. Boll, pedicel and bract measurements from mature bolls on the first position of the third fruiting branch.

Prior Applications: Granted as 'DP 5690', USA 1993.

Description: **Richard Leske, Deltapine Australia Pty Ltd, Goondiwindi, QLD**

Table 6 Cotton Varieties

(* = comparator)

	DP 5690	*DP 90	*Sicala 34	*CS 50
PLANT HEIGHT (cm)				
mean	97.27	104.13	97.00	100.33
std deviation	5.16	4.80	5.56	4.86
LSD(0.01)/ significance	3.10	P≤0.01	ns	ns
LEAF WIDTH (cm)				
mean	14.43	13.52	13.08	13.65
std deviation	1.16	1.00	1.01	0.98
LSD(0.01)/ significance	0.54	P≤0.01	P≤0.01	P≤0.01
LEAF LENGTH (cm)				
mean	11.58	10.34	10.69	10.85
std deviation	1.10	0.67	0.82	0.86

Table 5 Cotton Varieties - continued

LSD(0.01)/ significance	0.46	P≤0.01	P≤0.01	P≤0.01
FRUITING BRANCH LENGTH (cm)				
mean	12.23	10.02	12.12	15.22
std deviation	4.54	4.81	4.23	3.51
LSD(0.01)/ significance	2.35	ns	ns	P≤0.01
FRUIT BRANCH NODE 1 (cm)				
mean	4.95	4.57	6.52	7.98
std deviation	3.35	2.99	2.94	3.56
LSD(0.01)/ significance	1.68	ns	ns	P≤0.01
BOLL LENGTH (cm)				
mean	4.12	4.31	4.116	3.93
std deviation	0.28	0.23	0.31	0.34
LSD(0.01)/ significance	0.15	P≤0.01	ns	P≤0.01
BOLL WIDTH (cm)				
mean	2.92	2.89	2.72	2.78
std deviation	0.15	0.17	0.18	0.18
LSD(0.01)/ significance	0.09	ns	P≤0.01	P≤0.01
BRACT LENGTH (cm)				
mean	4.94	4.85	4.51	4.35
std deviation	0.47	0.40	0.47	0.47
LSD(0.01)/ significance	0.24	ns	P≤0.01	P≤0.01
BRACT WIDTH (cm)				
mean	2.71	2.52	2.17	2.36
std deviation	0.47	0.43	0.32	0.57
LSD(0.01)/ significance	0.24	ns	P≤0.01	P≤0.01
LINT (%)				
mean	39.27	39.49	39.26	41.49
std deviation	0.97	0.83	1.04	0.89
LSD(0.01)/ significance	0.77	ns	ns	P≤0.01
FIBRE QUALITY CHARACTERISTICS				
LENGTH (inch)				
mean	1.17	1.15	1.2	1.2
std deviation	0.021	0.025	0.026	0.027
LSD(0.01)/ significance	0.02	ns	P≤0.01	P≤0.01
UNIFORMITY RATIO				
mean	83.4	83.6	84.9	83.4
std deviation	0.66	0.83	0.81	1.2
LSD(0.01)/ significance	0.75	ns	P≤0.01	ns
MICRONAIRE VALUE				
mean	4.0	4.2	4.8	3.9
std deviation	0.24	0.28	0.24	0.25
LSD(0.01)/ significance	0.21	P≤0.01	P≤0.01	ns

Table 6 Cotton Varieties - continued

ELONGATION				
mean	8.17	7.9	7.9	7.5
std deviation	0.68	0.13	0.19	0.17
LSD(0.01)/ significance	0.31	ns	ns	P≤0.01
STIGMA POSITION (1= above, 2= level with, 3=below stamen)				
mean	2	2	1	1
std deviation	0.61	0.38	0.0	0.38
LSD(0.01)/ significance	0.21	ns	P≤0.01	P≤0.01

CYPRESS*Cupressus sempervirens***'Olympic Gold'**

Application No: 94/098 Accepted: 29 Apr 1994

Applicant: **Leo Groeneveld**, Monbulk, VIC

Description (Table 7, Figure 8) Plant: medium to tall, slow growth rate, narrow, columnar tree. Branch: dense, stiff, erect, non-planar, in whorls; bark greyed orange RHS 166A, secondary bud development between branches. Penultimate branchlets: dense, erect, rigid, non-planar, in whorls; bark greyed orange RHS 171A. Leaves (last order branchlets): yellow green RHS 147C at base, green yellow RHS 1A in middle, yellow orange RHS 23B at tip.

Origin Uncontrolled pollination: chance seedling from *C. sempervirens* 'Swanes Golden'. Breeder: Leo Groeneveld, Monbulk, VIC. Selection criteria: tree width, strength of stem and variegation. Propagation: cuttings for five generations.

Comparative Trials Comparator: 'Swanes Golden'. Location: Monbulk, VIC, Mar 1994 to Mar 1995. Conditions: plants raised in standard bark-based potting mixture under ambient conditions. Plants initially grown in 75mm pots, transplanted to 200mm pots Sep 1994 for final assessment. Trial design: 20 pots of each variety arranged in replicate pairs. Measurement: 20 samples randomly selected from each plant. Observations of branches made on two year wood.

Prior Applications and Sales NilDescription: **David Nichols**, Devon Meadows, VICTable 7 *Cupressus* Varieties

(* = comparator)

	'Olympic Gold'	**'Swanes Golden'
PLANT HEIGHT (cm)		
mean	32.6	46.3
LSD(0.01)/ significance	4.2	P≤0.01

Table 7 *Cupressus* Varieties - continued

PLANT WIDTH (cm)		
mean	6.9	10.3
LSD(0.01)/ significance	0.7	P≤0.01
GROWTH HABIT PROFILE		
	narrow columnar	columnar
GROWTH RATE		
	slow	medium
BRANCH DENSITY		
	dense	medium
BRANCH ARRANGEMENT OF SPRAY		
	non-planar	semi-planar
BRANCH SECONDARY BUD DEVELOPMENT		
	present	absent
PENULTIMATE BRANCHLET DENSITY		
	dense	medium
PENULTIMATE BRANCHLET ARRANGEMENT		
	non planar	planar
BUTT DIAMETER (mm) 30mm from base.		
mean	8.1	6.0
LSD(0.01)/ significance	0.5	P≤0.01
BRANCH INTERNODE LENGTH (mm)		
mean	10.4	13.9
LSD(0.01)/ significance	1.0	P≤0.01
MAIN COLOUR. YOUNG SHOOT UPPER SIDE (RHS)		
	171A	174B
MAIN COLOUR. 2 YEAR OLD SHOOT UPPER SIDE (RHS)		
	166A	166B
LONGEST PENULTIMATE ORDER BRANCHLET (mm)		
mean	92.3	125.5
LSD(0.01)/ significance	16	P≤0.01
PENULTIMATE ORDER BRANCHLET INTERNODE LENGTH (mm)		
mean	8.0	9.4
LSD(0.01)/ significance	0.9	P≤0.01

DIANTHUS*Dianthus plumerius***'Far North'**

Application No: 93/192 Accepted: 27 Aug 1993

Applicant: **Dr Keith Hammett**, Auckland, NZAgent: **Robert Pearce**, McLeans Ridges, via Lismore, NSW.

Description (Table 8, Figure 9) Plant: mounded compact (150mm high) perennial sub-shrub. Leaves grey (RHS

189B), narrow to 3mm wide, 25-55mm long. Flower: single; 200mm high; 35-45mm diameter; dentate petal margins; strongly scented, white RHS 155D.

Origin Controlled pollination: 'Far Cry' (seed parent) by 'Cupid' (pollen parent), Spring 1989. Selection criteria: growth habit, flower colour, form. Propagation: ten generations of vegetative growth.

Comparative Trials Comparators: 'Far Cry', 'Neat 'n' Tidy'. Location: Lot 1 Cowlong Road, McLeans Ridges, via Lismore NSW, Jul-Sep 1994. Conditions: Plants raised in mixture sand, composted sawdust and pine bark, 200mm pots in opensided greenhouse, overhead sprinklers. Trial design: 2 randomised blocks of 5 plants of each variety. Plant spacing approximately 40cm.

Description: **Bob Pearce, Pearce's Nurseries Pty Ltd**, McLean's Ridges via Lismore, NSW

Table 8 *Dianthus* Varieties

	'Far North'	**Far Cry'	*Neat 'n' Tidy'
STEM LENGTH (mm)			
mean	150	125	190
std deviation	29.4	16.3	36.1
LSD(0.01)/significance	35.30	ns	P≤0.01
LEAF LENGTH (mm)			
mean	60	70	70
std deviation	4.1	5.3	7.8
LSD(0.01)/significance	7.36	P≤0.01	P≤0.01
LEAF WIDTH (mm)			
mean	3.0	4.0	4.0
std deviation	0.22	0.28	0.17
LSD(0.01)/significance	0.59	ns	P≤0.01
FLOWER PROFILE			
	flat convex	flat convex	concave
PETAL MARGIN			
	crenate dentate	crenate dentate	crenate
PETAL: NO. OF COLOURS (RHS)			
	one white 155D	two pink/pink 74C/74A	two white/red 155D/59A

HEAVENLY BAMBOO

Nandina domestica

'Gulf Stream'

Application No: 93/271 Accepted: 20 Dec 1993
Applicant: **Hines Nurseries Inc**, Irvine, California, USA
Agent: **Redlands Greenhouses Holdings Pty Ltd**, Redland Bay, QLD

Description (Table 9, Figure 10) Plant: dwarf shrub height 70cm; densely compact (internode length 3.2mm); semi-erect foliage. Leaves: alternate; tripinnately compound (172mm long, 276mm wide); individual leaflets elliptic, (30.3mm long, 11.65 1.8mm wide), tip acute, slightly concave, ascending, leaf margins entire, surface glabrous.

Origin Spontaneous mutation: *Nandina domestica* 'compacta'. Breeder: WC Barr, Hines Nurseries Inc, Irvine, California, USA. Selection criteria: dwarf, densely compact form and semi-erect foliage. Propagation: vegetative several generations.

Comparative Trials Comparators: *Nandina domestica*, 'Harbour Dwarf', 'Nana'. Location: Redlands Greenhouses Holdings Pty Ltd, Redland Bay, QLD Jan-Oct 1994. Conditions: vegetatively propagated staged through 140 to 200mm containers, composted sawdust/pinebark/sand medium, slow release fertiliser, overhead irrigation, full sun. Trial design: thirty plants of each variety arranged in randomised complete blocks. Measurements: 10 randomly selected plants from each variety.

Prior Applications and Sales: Granted US Patent as 'Gulf Stream' 1986. First sold USA Dec 1987.

Description: **Kerry Bunker, Redlands Greenhouses Pty Ltd**, Brisbane, QLD

Table 9 Heavenly Bamboo Varieties

(* = Comparator)

	'Gulf Stream'	**Harbour Dwarf'	*Nana'	*Nandina domestica
PLANT. HEIGHT AT MATURITY (cm)				
	<75	<75	<100	<200
PLANT. HEIGHT OF TRIAL PLANTS (mm)				
mean	24.7	27.0	106.4	134.5
std deviation	8.9	11.1	21.5	57.7
LSD (0.001)/significance	50.1	ns	P≤0.001	P≤0.001
PLANT. WIDTH (mm)				
mean	267.0	532.5	378.0	670.0
std deviation	33.9	81.6	68.4	61.1
LSD (0.001)/significance	100.8	P≤0.001	P≤0.001	P≤0.001
PRIMARY SHOOT. NUMBER OF NODES				
mean	8	4.2	21.1	7.9
std deviation	2.1	0.8	3.5	1.3
LSD (0.001)/significance	3.4	P≤0.001	P≤0.001	P≤0.001
PRIMARY SHOOT. INTERNODE LENGTH (mm) DERIVED				
mean	3.1	6.5	5.1	16.6
std deviation	1.2	2.8	1.0	5.5
LSD (0.001)/significance	4.8	P≤0.001	ns	P≤0.001

Table 9 Heavenly Bamboo Varieties - continued

SUCKERING HABIT				
absent	present	absent	absent	
FOLIAGE. DENSITY				
very dense	dense	medium	sparse	
FOLIAGE. ATTITUDE				
semi-erect	horizontal	drooping	horizontal	
COMPOUND LEAF. SHAPE				
tripinnate	tripinnate	bipinnate	tripinnate	
COMPOUND LEAF. LENGTH (mm)				
mean	172.8	304.7	213.5	386.0
std deviation	33.5	42.1	38.4	34.5
LSD(0.001)/significance	59.3	P≤0.001	P≤0.001	P≤0.001
COMPOUND LEAF. WIDTH (mm)				
mean	266.0	533.6	320.00	608.0
std deviation	60.6	68.9	71.9	104.6
LSD(0.001)/significance	59.3	P≤0.001	P≤0.001	P≤0.001
LEAFLET. LENGTH (mm)				
mean	30.3	49.1	79.3	49.1
std deviation	5.5	11.3	24.0	5.4
LSD (0.001)/significance	21.8	P≤0.01	P≤0.001	P≤0.01
LEAFLET. WIDTH (mm) ACROSS WIDEST POINT				
mean	11.6	18.1	28.4	16.1
std deviation	1.8	3.5	10.9	2.3
LSD(0.001)/significance	9.4	P≤0.05	P≤0.001	P≤0.05

LAVENDER*Lavandula pinnata* x *canariensis***'Sidonie'**

Application No: 93/199 Accepted: 20 Sep 1993
 Applicant: **Sidonie Barton and Ian Cunliffe**, Narooma, NSW.
 Agent: **Ian Collins, Colourwise Nursery (NSW) Pty Ltd**, Glenorie, NSW.

Description (Table 10, Figure 11) Plant: compact aromatic shrub, 1.3m high and 1.3m wide. Stem: branched, erect, slightly tomentose. Leaf: bipinnatisect, revolute margins, RHS 191A. Inflorescence: terminal, long stalked spike, 2 lateral opposite branching spikes. Flower: shape labiate; bracts ovate; flower colour changes with age from RHS 93D to RHS 90A. Nutlets oblong.

Origin Uncontrolled pollination: chance seedling probably *L. pinnata* x *L. canariensis* 1992. Breeder: Sidonie Barton, Kenthurst NSW. Selection criteria: inflorescence development, flower stem length, improved flower colour and mellifluous appearance. Propagation: cuttings only.

Comparative Trials Comparator: *Lavandula canariensis*. Location: Colourwise Nursery, Glenorie, NSW, Jun-Oct 1994. Conditions: plants propagated by cuttings in standard propagation mixture; rooted cuttings potted into 200mm pots of a peat, pine bark based potting mix; grown in the open under sprinklers. Trial design: randomised complete blocks. Measurements: 20 samples selected at random from 12 plants of each variety.

Prior Application and Sales Nil

Description: **Ian Collins, Colourwise Nursery Pty Ltd**, Glenorie, NSW

Table 10 Lavender Varieties

(*=comparator)

	'Sidonie'	* <i>L. canariensis</i>
LEAF LENGTH (mm)		
mean	90.2	60.1
std deviation	10.8	10.7
LSD (0.01)/significance	8.86	P≤0.01
LEAF WIDTH (mm)		
mean	80.9	44.3
std deviation	7.20	7.76
LSD (0.01)/significance	15.48	P≤0.01
LEAF COLOUR (RHS)		
	191A	137A
LEAF SURFACE		
	canescent	pubescent
INFLORESCENCE		
	terminal spike with 2 lateral spikes	generally a spike, lacking laterals
PEDUNCLE LENGTH (cm)		
mean	50.4	39.4
std deviation	6.97	5.07
LSD (0.01)/significance	5.73	P≤0.01
PETAL COLOUR (RHS) (newly opened flower)		
	93D	90A

LOBELIA*Lobelia richardii***'True Blue'**

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

Description (Table 11, Figure 12) Plant: prostrate spreading herb. Stem: herbaceous, ascending and cascading, dark purple, medium pubescence, milky sap. Leaf: numerous, size variable, alternate, ovate, dentate, dark green RHS 146A-147A upperside, medium to strong

purple underside, medium pubescence at base. Flower: racemose, size variable, linear to narrowly ovate foliaceous bracts, entire to dentate, variable anthocyanin; calyx tube short (3-4mm) with five linear sepals (8-10mm long); corolla (17-20mm in length and 15-18mm in width), upperside violet blue RHS 95B when newly opened then fading to RHS 97A, underside RHS 97A, lower three lobes with white basal area and dark violet blue spots; tube white with rows of pale violet blue spots and two yellow stripes extending from the base of the tube and expanding at the base of the lower lobes; anthers connate, subtending a violet stigma; filaments white at the base and violet towards the top; style yellow green.

Origin Spontaneous mutation: 'Minstral' 1994. Breeder: John Churchus, Devon Meadows, VIC. Selection criteria: vigour and compactness. Propagation: cuttings for four generations.

Comparative Trials Comparator: 'Minstral'. Location: Devon Meadows, Vic, Sep-Dec 1994. Conditions: Plants raised in 250mm hanging baskets in standard soil-less potting mixture in shadehouse under ambient conditions. Trial design: split plot with 10 replicates. Measurement: 20 samples selected at random from ten plants of each variety. Foliaceous bracts located 10 below terminal pedicel described.

Prior Applications and Sales 'True Blue' first sold Australia 1994.

Description: David Nichols, Devon Meadows, VIC

Table 11 *Lobelia* Varieties

(* = comparator)

	'True Blue'	* 'Minstral'
FORM	prostrate spreading	upright spreading
FOLIAGE COVER	dense	sparse
PLANT HEIGHT (cm)		
mean	8.4	24.8
std deviation	1.49	5.85
LSD(0.01)/significance	4.9	P≤0.01
PLANT WIDTH (cm)		
mean	56.3	66.5
std deviation	3.62	7.01
LSD(0.01)/significance	5.7	P≤0.01
STEM CHARACTERISTICS. PUBESCENCE	medium	weak
FOLIACEOUS BRACT LENGTH(mm)		
mean	49.4	38.4
std deviation	7.16	6.83
LSD(0.01)/significance	5.7	P≤0.01

Table 2 Apple Varieties - continued

FOLIACEOUS BRACT WIDTH (mm)		
mean	12.4	6.8
std deviation	5.18	3.60
LSD(0.01)/significance	4.1	P≤0.01
COROLLA. BREADTH OF BASAL AREA OF LOWER THREE LOBES (mm)		
mean	5.3	6.8
std deviation	0.34	0.34
LSD(0.01)/significance	0.3	P≤0.01

LYSIMACHIA

Lysimachia congestiflora

'Outback Sunset'

Application No: 93/106 Accepted: 1 Apr 1993
Applicant: **Pixie Plants**, Devon Meadows, VIC

Description (Table 12, Figure 13) Plant: small spreading perennial. Stems: herbaceous, pubescent; medium greyed red. Leaf: opposite, ovate, entire; medium pubescent underside; greyed red when first formed, variegated when mature, yellow green RHS 151A margins and RHS 146A the centre. Flower: terminal clusters; rotate, (25mm in diameter); calyx of five linear pubescent sepals (8mm long); petals obovate, entire, bright yellow RHS 9A with orange basal spot; stamens fused at base in yellow tube, filaments white with yellow tips, separated above; anthers yellow; ovary superior, pubescent green white; style yellow green; stigma green.

Origin Spontaneous mutation: 'Golden Clusters' 1992. Breeder: John Churchus, Devon Meadows, VIC. Selection criteria: leaf variegation and compactness. Propagation: cuttings for multiple generations.

Comparative Trials Comparators: 'Golden Clusters' and 'Silverbird'. Location: Devon Meadows, Vic, Sep-Dec 1994. Conditions: plants raised in 250mm hanging baskets in standard soil-less potting mixture in polyhouse under ambient conditions. Trial design: split plot 10 replicates. Measurements: 20 samples selected at random from 10 plants of each variety.

Prior Applications and Sales 'Outback Sunset' first sold Australia 1994.

Description: David Nichols, Devon Meadows VIC

Table 12 *Lysimachia* Varieties

(* = comparator)

	'Outback Sunset'	**Golden Clusters'	*'Silverbird'
FORM	spreading	semi-erect	spreading

Table 12 *Lysimachia* Varieties - continued

PLANT HEIGHT (cm)			
mean	14.9	21.0	11.0
std deviation	1.52	1.76	2.45
LSD(0.01)/ significance	2.3	P≤0.01	P≤0.01
PLANT WIDTH (cm)			
mean	43.9	46.8	31.1
std deviation	3.48	4.21	6.44
LSD(0.01)/ significance	5.7	ns	P≤0.01
STEM CHARACTERISTICS			
Anthocyanin	medium	strong	weak
RHS	182B	183C	182C
INTERNODE LENGTH (mm) Second Internode Down from Apex of Longest Shoot.			
mean	45.4	55.4	30.4
std deviation	6.23	9.40	8.22
LSD(0.01)/ significance	6.4	P≤0.01	P≤0.01
LEAF CHARACTERISTICS			
Pubescence	medium	medium	weak
RHS colour - margin	151A	146A	155A
LEAF LENGTH (mm) Largest 2 leaves on Each Plant.			
mean	52.5	60.1	50.4
std deviation	4.05	4.81	6.29
LSD(0.01)/ significance	3.8	P≤0.01	ns
LEAF WIDTH (mm) Largest 2 leaves on Each Plant.			
mean	26.2	31.0	27.0
std deviation	3.03	1.69	2.39
LSD(0.01)/ significance	1.7	P≤0.01	ns

'Silverbird' syn. 'Silbervogel'

Application No: 92/080 Accepted: 3 Jul 1992

Applicant: **Roy Rother**, Emerald, VIC

Description (Table 13, Figure 14) Plant: small spreading perennial. Stems: herbaceous, pubescent; weak greyed red RHS 182C. Leaf: opposite, ovate, entire; weak pubescent underside; greyed red when first formed, variegated when mature, light cream RHS 155A at margins and RHS 146A-147A in centres. Flower: terminal clusters; rotate (25mm in diameter); calyx of five linear pubescent sepals (8mm long); petals obovate, entire, yellow RHS 9A with an orange basal spot; stamens fused at the base in a yellow tube, filaments white with yellow tips, separated above; anthers yellow; ovary superior, pubescent, green white, style yellow green, stigma green.

Origin Spontaneous mutation: 'Golden Clusters' 1990. Breeder: Roy Rother, Emerald, VIC. Selection criteria: leaf variegation, compactness. Propagation: cuttings for multiple generations.

Comparative Trials Comparators: 'Golden Clusters' and 'Outback Sunset'. Location: Devon Meadows, VIC, Sep-Dec 1994. Conditions: plants raised in 250mm hanging baskets in a standard soil-less potting mixture in a poly-house under ambient conditions. Trial design: split plots of 10 replicates. Measurements: 20 samples selected at random from 10 plants of each variety.

Prior Applications and Sales 'Silverbird' first sold Australia 1994.

Description: **David Nichols**, Devon Meadows, VICTable 13 *Lysimachia* Varieties

(* = comparator)

	'Silverbird'	*'Golden Cluster'	**'Outback Sunset'
FORM	spreading	semi-erect	spreading
PLANT HEIGHT (cm)			
mean	11.0	21.0	14.9
std deviation	2.45	1.76	1.52
LSD(0.01)/ significance	2.3	P≤0.01	P≤0.01
PLANT WIDTH (cm)			
mean	31.1	46.8	43.9
std deviation	6.44	4.21	3.48
LSD(0.01)/ significance	5.7	ns	P≤0.01
INTERNODE LENGTH (mm) Second Internode Down from Apex of Longest Shoot.			
mean	30.4	55.4	45.4
std deviation	8.22	9.40	6.23
LSD(0.01)/ significance	6.4	P≤0.01	P≤0.01
LEAF CHARACTERISTICS			
Pubescence	weak	medium	medium
RHS Colour - Margin			
	160D	146A	151A
LEAF LENGTH (mm) Largest 2 Leaves on Each Plant.			
mean	50.4	60.1	52.5
std deviation	6.29	4.81	4.05
LSD(0.01)/ significance	3.8	P≤0.01	ns
LEAF WIDTH (mm) Largest 2 Leaves on Each Plant.			
mean	27.0	31.0	26.2
std deviation	2.39	1.69	3.03
LSD(0.01)/ significance	1.7	P≤0.01	ns

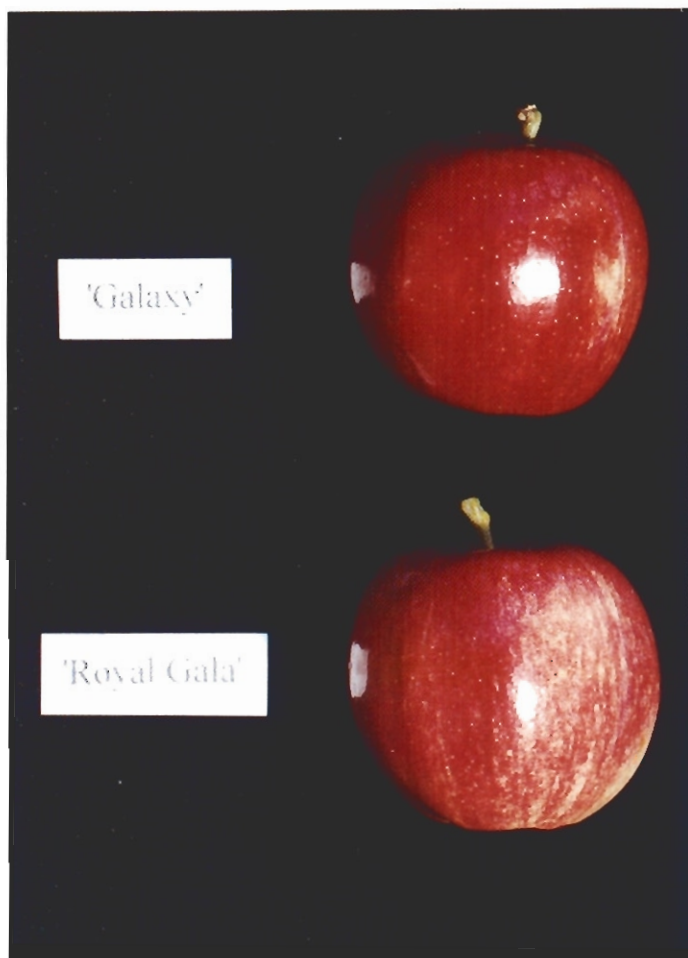


Fig 1- Apple
'Galaxy'(top) and comparator 'Royal Gala'

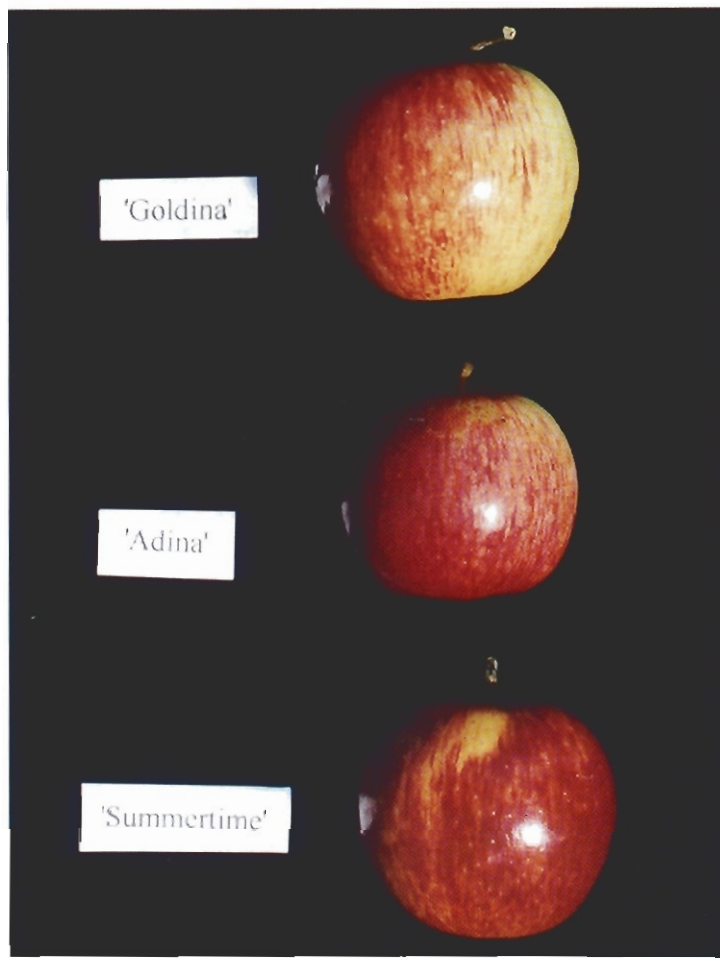


Fig 2- Apple
'Summertime' (bottom) with comparators
'Adina' (centre) and 'Goldina'.

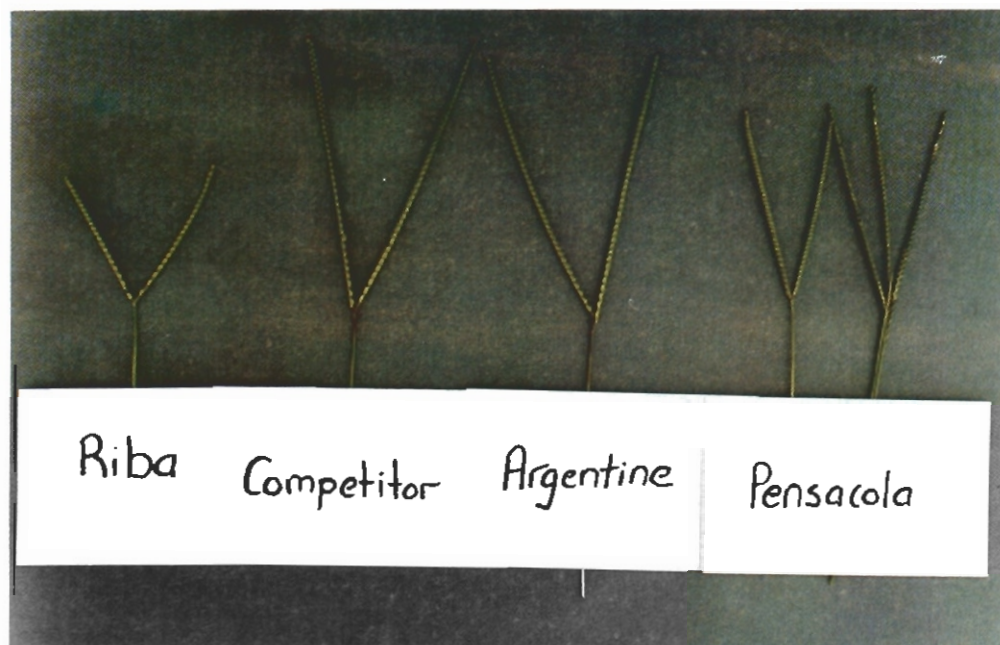


Fig 3- Bahia Grass
'Riba' (left) with comparators 'Competitor', 'Argentine' and 'Pensacola'.

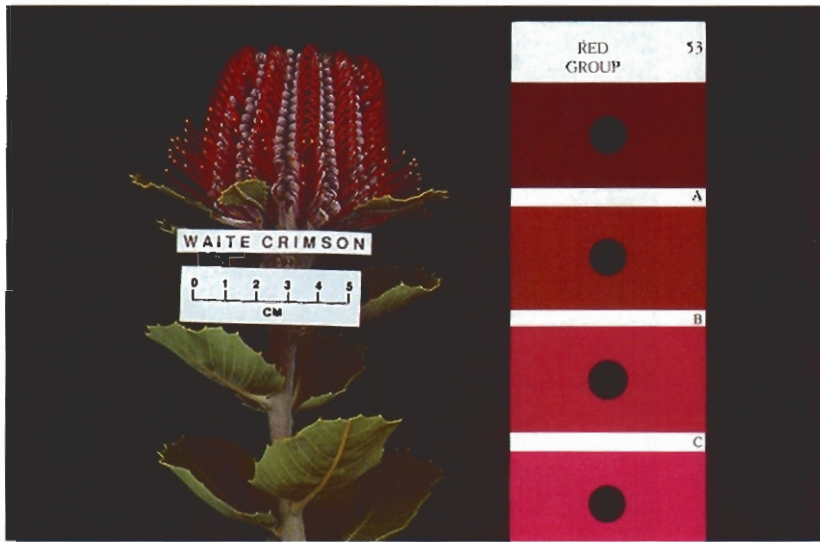


Fig 4- Banksia 'Waite Crimson'.

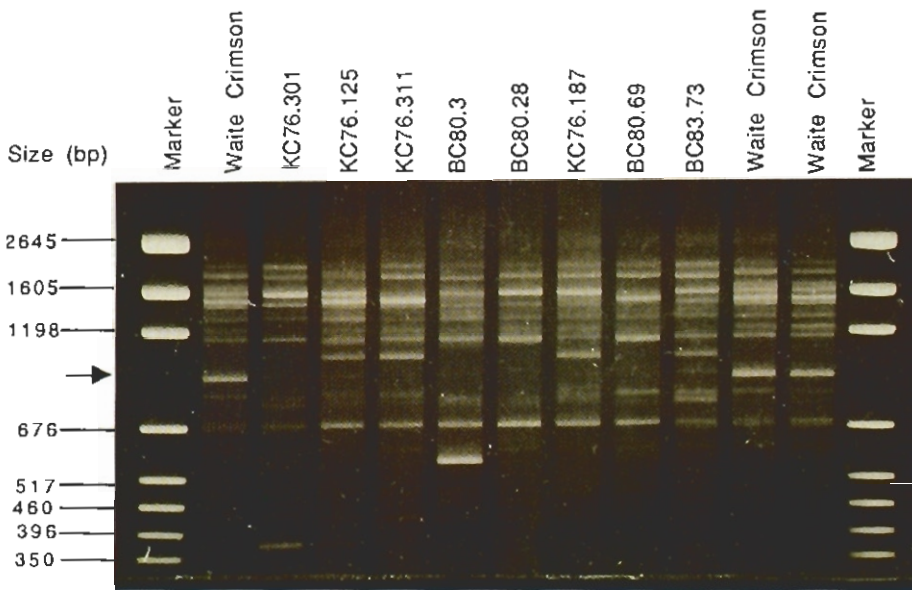


Fig 4a- Banksia Showing unique DNA fragment (bp) at 1250 for 'Waite Crimson' compared with other genotypes.

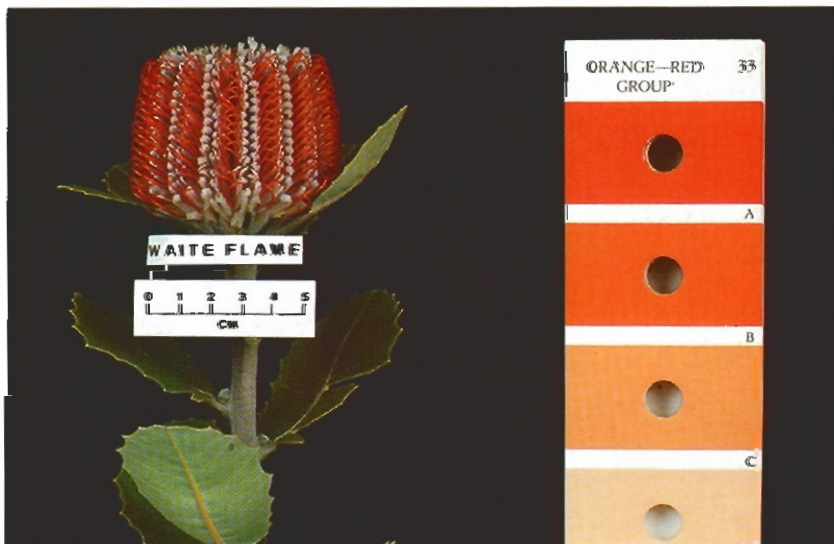


Fig 5- Banksia 'Waite Flame'

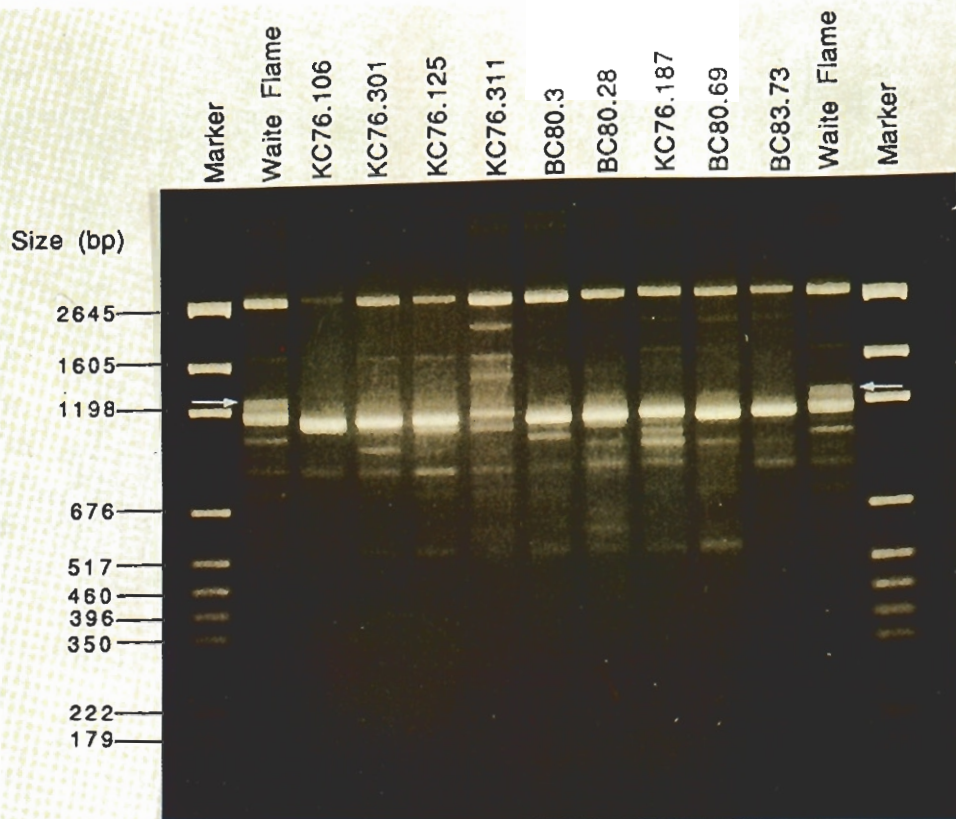


Fig5a Banksia
 Agarose gel showing unique DNA fragment (arrow) present in 'Waite Flame' but not present in nine other selections of *Banksia coccinea*. Similarity coefficients (%) between the DNA of 'Waite Flame' and the nine other selections of *B. coccinea* varied from 33.3 to 75.0%. Extracted DNA was subjected to the Polymerase Chain Reaction using primer OPB-01.

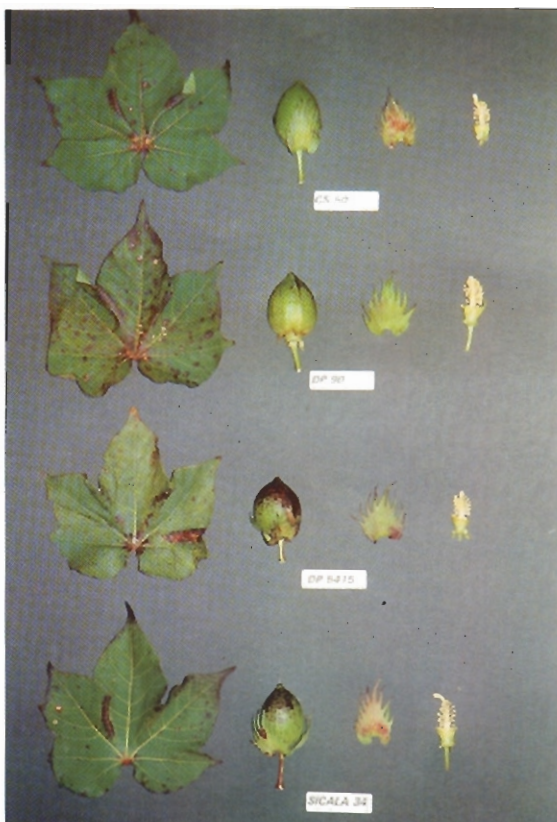


Fig 6- Cotton
 From top 'CS 50', 'DP 90', 'DP5415' and 'Sicala 34' (bottom)

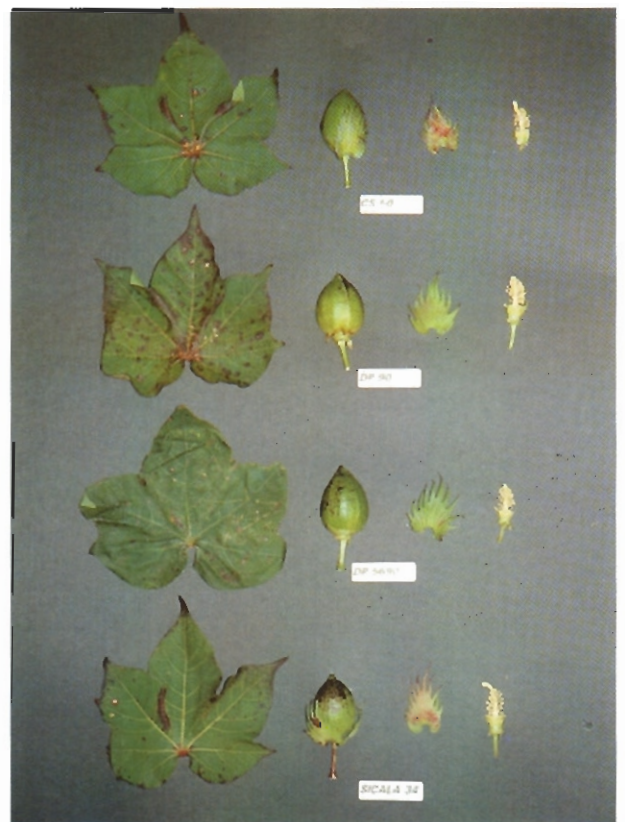


Fig 7- Cotton
 From top 'CS 50', 'DP 90', 'DP 5690' and 'Sicala 34'



Fig 8- Cypress
'Olympic Gold' (right) with comparator
'Swane's Golden'.



Fig 9- Dianthus
'Far North' (centre) with comparators
'Neat & Tidy' (left) and 'Far Cry'.



Fig 10 Heavenly Bamboo
'Gulf Stream' (left) with comparators
'Nana', 'Harbour Dwarf' and
Nandina domestica.

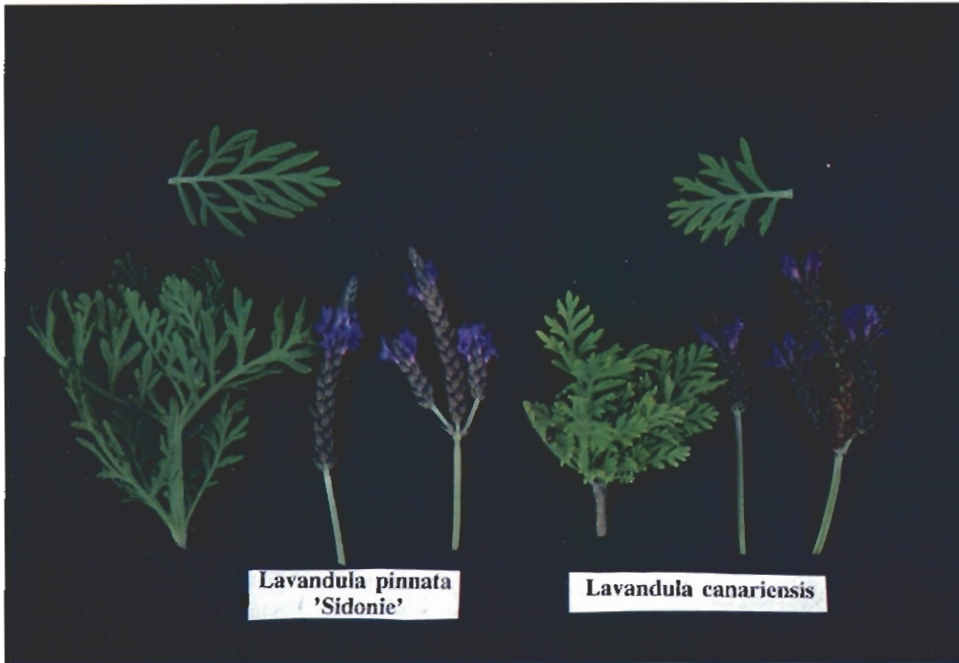


Fig 11- Lavender
'Sidonie' (left) with a form of
L. canariensis.

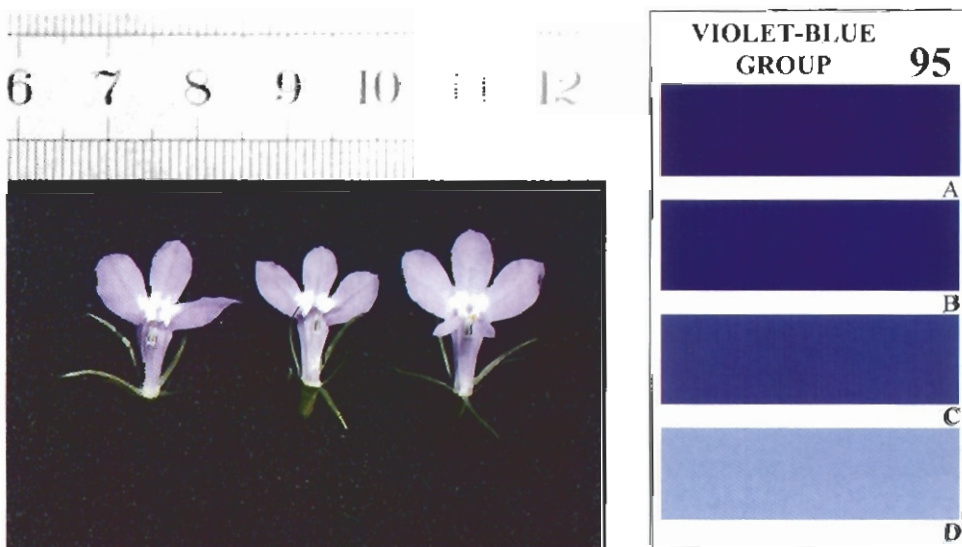


Fig 12- Lobelia
'True Blue'
Actual colour of petals
(RHS 95B) was unable to be
reproduced in photograph.



Fig 13- Lysimachia
'Outback Sunset' (right)
with comparator.



Fig 14- Lysimachia
'Silverbird'



Fig 15- Oat
'Euro' (middle) with comparators
'Mortlock' (left) and 'Echidna'.



Fig 16- Orange
'Autumn Gold Late Navel'



Fig 17- Orange
'Barnfield Late Navel'

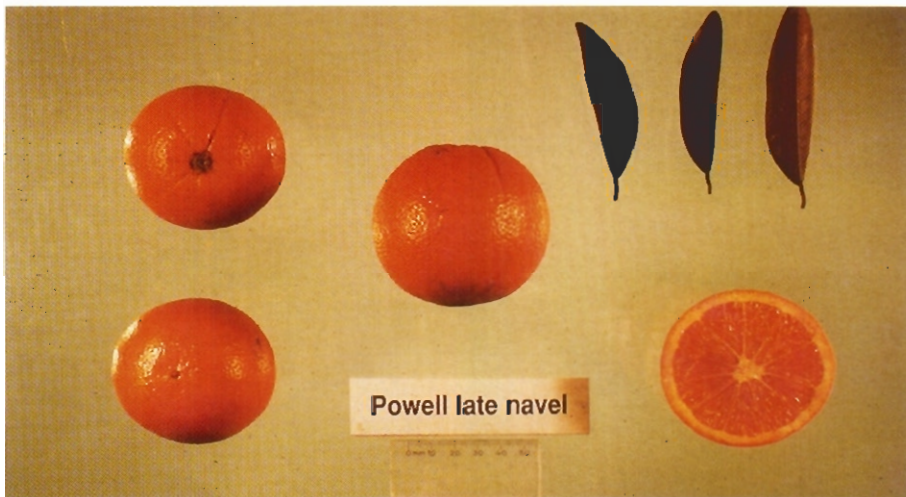


Fig 18- Orange
'Powell Summer Navel'
(Previous name
'Powell late Navel')



Fig 19- Rhododendron
'Australian Cameo'



Fig 20- Rhododendron
'Australian Rainbow'



Fig 21- Rhododendron
'Australian Sunset'



Fig 22- Rhododendron
'Maria's Choice'

OAT*Avena sativa***'Euro' syn. 'ME/45/7'**

Application No: 94/106 Accepted: 10 May 1994

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

Description (Table 14, Fig 15) Plant: short Spring grain type; semi erect habit; medium time to flower. Stem: uppermost node hairiness medium. Flag leaf: length medium; width medium; margins medium hairiness. Inflorescence: branches semi erect, panicle blue green; spikelets pendulous, most primary spikelets awned. Moderate resistance to CCN, susceptible to stem rust, moderate susceptibility to leaf and crown rusts.

Origin Controlled pollination; 'Mortlock' (seed parent) by 'Echidna' (pollen parent) 1982. Breeder: Andrew Barr and the Oat Breeding Team of the South Australian Research and Development Institute, Adelaide, SA. Selection criteria: grain yield, grain quality (hectalitre weight, screenings percentage, grain weight, kernel percentage, fat content), plant type, CCN resistance. Propagation: selfed for 12 generations.

Comparative Trials Comparators: 'Mortlock' and 'Echidna'. Location: Northfield, SA Jan - May 1993. Conditions: plants raised in soil under a bird proof enclosure in open beds. Design: single rows, randomised complete block, 3 replicates. Measurements: 60 specimens selected at random.

Prior Applications and Sales NilDescription: **Sue Pelham and Andrew Barr**, South Australian Research and Development Institute, Adelaide, SA**Table 14 Oat Varieties**

(* = comparator)

	'Euro'	* 'Mortlock'	** 'Echidna'
PLANT GROWTH HABIT	semi erect	intermediate	intermediate
HEIGHT TO TOP OF PANICLE (cm)			
mean	80.8	88.6	58.5
std deviation	4.7	5.2	5.6
LSD (0.01)/ significance	2.4	P<0.001	P<0.001
FREQUENCY OF AWNS ON PRIMARY SPIKELET	most	infrequent	common
FLAG LEAF WIDTH (mm)			
mean	13.9	17.0	13.5
std deviation	1.6	2.2	1.7
LSD (0.01)/ significance	0.85	P<0.001	ns

Table 14 Oat Varieties - continued

FLAG LEAF LENGTH (mm)			
mean	22.2	26.4	21.1
std deviation	3.2	4.0	4.7
LSD (0.01)/ significance	1.90	P<0.001	ns
LEAF MARGIN HAIRS	medium	very weak	weak
LEMMA LENGTH (mm)			
mean	11.93	12.13	11.20
std deviation	1.23	0.90	0.90
LSD (0.01)/ significance	0.17	ns	P<0.001
RESISTANCE TO LEAF RUST** (field reaction)	moderately susceptible	susceptible	susceptible
RESISTANCE TO STEM RUST** (field reaction)	moderately susceptible	susceptible	susceptible
CCN RESISTANCE (number of female cysts per plant)			
mean	0.6	6.9	15.9
std deviation	0.5	7.0	12.7
LSD(0.01)/ significance	13.8	ns	P<0.001

**Interpretation of resistance scores.

ORANGE*Citrus sinensis***'Autumn Gold Late Navel'**

Application No: 89/004 Accepted: 20 Jan 1989

Applicant: **Jack Pollock**, Strathmerton, VIC

Description (Table 15, Figure 16) Plant: late fruit holding. Main branches: spreading, armed. Leaf: concave, undulated, moderately firm; petiole wings absent or rudimentary and small. Inflorescence: single, clustered. Flower: medium number of stamens, pale yellow RHS 11B-11C anthers; complete styles; no viable pollen produced. Fruit: size medium; oblate to globose; rounded to moderately depressed basal end; truncate to slightly nipped distal end; orange RHS 24A; no areola; navel always present and visible; protrusion of navel not prominent; moderate amount of yellow to orange juice; low in acid; high in total soluble solids; seeds absent. Rind: smooth, oil glands conspicuous and moderately dense, adherence of rind to flesh moderate. Albedo tissue white; flesh orange RHS 24A; columella semi-hollow.

Origin Spontaneous mutation: Washington navel. Breeder: Jack Pollock Curlwaa, NSW. Selection criteria: late fruit holding. Commercial propagation: vegetative.

Comparative Trials Comparators: 'Lane Late Navel', 'Barnfield Late Navel', 'Summer Gold Late Navel', 'Powell Summer Navel', 'Chislett Summer Navel' and 'Rohde Summer Navel' Location: two comparative growing trials, Sunraysia Horticultural Centre (SHC),

Table 15 Citrus Varieties

(* = comparators = 'Lane Late Navel', 'Barnfield Late Navel', 'Rohde Summer Navel', 'Summer Gold Late Navel', 'Chislett Summer Navel', 'Powell Late Navel')

	'Autumn Gold'	*'Lane'	**'Barnfield'	**'Rohde'	**'Summer Gold'	**'Chislett'	**'Powell'
NUMBER OF OIL CELLS per 25mm (LRC)							
mean	20.31	13.43	17.26	13.89	19.37	16.79	20.31
std deviation	4.48	3.89	2.56	3.12	4.21	3.28	3.23
LSD(0.01)/significance	2.40	P≤0.01	P≤0.01	P≤0.01	ns	P≤0.01	P≤0.01
PETIOLE WING WIDTH (mm) 1990 (SHC)							
mean	1.78	1.58	2.04	1.88	2.12	2.36	1.70
std deviation	0.11	0.15	0.15	0.08	0.08	0.11	0.10
LSD(0.01)/significance	0.23	P≤0.01	P≤0.01	ns	P≤0.01	P≤0.01	P≤0.01
PETIOLE WING WIDTH 1991 (SHC)							
mean	2.37	2.39	2.28	2.38	2.99	2.67	2.35
std deviation	0.66	0.69	0.77	0.77	0.89	1.18	0.72
LSD(0.01)/significance	0.37	P≤0.01	P≤0.01	ns	P≤0.01	P≤0.01	ns

Table 16 Citrus Varieties

(* = comparators = 'Lane Late Navel', 'Powell Late Navel', 'Rohde Summer Navel', 'Summer Gold Late Navel', 'Chislett Summer Navel', 'Autumn Gold Late Navel')

	'Barnfield'	*'Lane'	**'Powell'	**'Rohde'	**'Summer Gold'	**'Chislett'	**'Autumn Gold'
NUMBER OF OIL CELLS per 25mm (LRC)							
mean	17.26	13.43	16.58	13.89	19.37	16.79	20.31
std deviation	2.56	3.89	3.23	3.12	4.21	3.28	4.48
LSD(0.01)/significance	2.40	P≤0.01	ns	P≤0.01	ns	ns	P≤0.01
FRUIT SIZE (gm) (LRC)							
mean	274.4	296.3	273.9	280.7	259.6	235.2	257.3
std deviation	44.4	59.5	49.7	49.2	51.1	40.2	43.7
LSD(0.01)/significance	28.4	ns	ns	ns	ns	P≤0.01	ns
ACID CONTENT (gm/100ml) 1991							
mean	0.59	0.67	0.52	0.65	0.44	0.54	0.51
std deviation	0.09	0.08	0.10	0.08?	0.06	0.09	0.09
LSD(0.01)/significance	0.12	ns	ns	ns	P≤0.01	ns	ns
ACID CONTENT (gm/100ml) 1992							
mean	0.69	0.77	0.68	0.71	0.59	0.68	0.64
std deviation	0.09	0.08	0.10	0.08	0.06	0.09	0.09
LSD(0.01)/significance	0.08	P≤0.01	ns	ns	P≤0.01	ns	ns
PETIOLE WING WIDTH (mm) 1990 (SHC)							
mean	2.04	1.58	1.70	1.88	2.12	2.36	1.78
std deviation	0.15	0.15	0.10	0.08	0.08	0.11	0.11
LSD(0.01)/significance	0.23	P≤0.01	P≤0.01	ns	ns	P≤0.01	P≤0.01
LEAF WIDTH:PETIOLE WING WIDTH RATIO 1991 (SHC)							
mean	37.32	33.7	32.94	33.40	31.82	33.08	34.86
std deviation	6.51	6.55	6.20	6.57	6.13	5.22	6.65
LSD(0.01)/significance	3.95	ns	P≤0.01	ns	P≤0.01	P≤0.01	ns

Table 17 Citrus Varieties

(* = Comparators = 'Lane Late Navel', 'Barnfield Late Navel', 'Rohde Summer Navel', 'Summer Gold Late Navel', 'Chislett Summer Navel', 'Autumn Gold Late Navel'.)

	'Powell'	**'Lane'	**'Barnfield'	**'Rohde'	**'Summer Gold'	**'Chislett'	**'Autumn Gold'
NUMBER OF OIL CELLS per 25mm (LRC)							
mean	16.58	13.43	17.26	13.89	19.37	16.79	20.31
std deviation	3.23	3.89	2.56	3.12	4.21	3.28	4.48
LSD(0.01)/ significance	2.40	P≤0.01	ns	P≤0.01	P≤0.01	ns	P≤0.01
FRUIT SIZE (gm) (LRC)							
mean	273.9	296.3	274.4	280.7	259.6	235.2	257.3
std deviation	49.68	59.5	44.4	49.2	51.1	40.2	43.7
LSD(0.01)/ significance	28.4	ns	ns	ns	ns	P≤0.01	ns
PETIOLE WING WIDTH (mm) 1990 (SHC)							
mean	1.70	1.58	2.04	1.88	2.12	2.36	1.78
std deviation	0.10	0.15	0.15	0.08	0.08	0.11	0.11
LSD(0.01)/ significance	0.23	ns	P≤0.01	ns	P≤0.01	P≤0.01	ns
LEAF WIDTH:PETIOLE WING WIDTH RATIO 1991 (SHC)							
mean	32.94	33.7	37.32	33.40	31.82	33.08	34.86
std deviation	6.20	6.55	6.51	6.57	6.13	5.22	6.65
LSD(0.01)/ significance	3.95	ns	P≤0.01	ns	ns	ns	ns

Irymple, Victoria, Loxton Research Centre (LRC) in Loxton, SA), conducted Nov 1991 - Nov 1994. Trial design: 5 trees at SHC and randomised complete block design at LRC. Measurements: 20 specimens selected randomly from 5 plants at SHC and 8 plants at LRC

Prior Applications and Sales 'Autumn Gold Late Navel' first sold Australia 1989.

Description: **Megan Edwards, Sunraysia Horticultural Centre, Mildura, VIC**

'Barnfield Late Navel'

Application No: 89/001 Accepted: 20 Jan 1989
Applicant: **WM and D Barnfield, Ellerslie, NSW**

Description (Table 16, Figure 17) Plant: late fruit holding. Main branches: spreading, armed. Leaf: concave, undulated, moderately firm; petiole wings absent or rudimentary and small. Inflorescence: single, clustered. Flower: medium number of stamens; pale yellow RHS 11B-11C anthers; complete styles; no viable pollen produced. Fruit size medium; oblate to ovoid; truncate to moderately depressed basal end; rounded to slightly nipped distal end; orange RHS 24A; no areola; navel always present and visible; protrusion of navel not prominent; moderate amount of yellow to orange juice; low in acid; high total soluble solids; seeds absent. Rind: smooth, oil glands conspicuous, moderately dense, adherence of rind to flesh moderate. Albedo tissue white; flesh orange RHS 24A; columella semi-hollow.

Origin Spontaneous mutation: unknown navel. Breeder: Wayne Barnfield, Ellerslie, NSW. Selection criteria: late fruit holding. Commercial propagation: vegetative.

Comparative Trials Comparators: 'Lane Late Navel', 'Powell Late Navel', 'Summer Gold Late Navel', 'Autumn Gold Late Navel', 'Chislett Summer Navel' and 'Rohde Summer Navel'. Location: two comparative growing trials, Sunraysia Horticultural Centre (SHC), Irymple, Victoria, Loxton Research Centre (LRC) in Loxton, SA), conducted between Nov 1991 Nov 1994. Trial design: 5 trees at SHC and randomised complete block design at LRC. Measurements: 20 specimens selected randomly from 5 plants at SHC and 8 plants at LRC.

Prior Applications and Sales 'Barnfield Late Navel' first sold Australia 1989.

Description: **Megan Edwards, Sunraysia Horticultural Centre, Mildura, VIC**

'Powell Summer Navel'

Application No: 89/006 Accepted: 20 Jan 1989
Applicant: **Neil Powell, Curlwaa, NSW**

Description (Table 17, Figure 18) Plant: late fruit holding. Main branches: spreading, armed. Leaf: concave, undulated, moderately firm; petiole wings absent or rudimentary and small. Inflorescence: single and clustered. Flower: medium number of stamens; pale yellow

(RHS 11B-11C) anthers; complete styles; no viable pollen produced. Fruit: size medium; oblate to ellipsoid or obovoid; truncate basal end; rounded distal end; orange (RHS 24A); no areola; navel always present and visible; protrusion of navel not prominent; moderate amount of yellow to orange juice; low in acid; high in total soluble solids; seeds absent. Rind: smooth, oil glands conspicuous and moderately dense; adherence of rind to flesh moderate. Albedo tissue white; flesh orange (RHS 24A); columella semi-hollow.

Origin Spontaneous mutation: Washington navel 1982. Breeder: Neil Powell, Curlwaa, NSW. Commercial propagation: vegetative.

Comparative Trials Comparators: 'Lane Late Navel', 'Barnfield Late Navel', 'Summer Gold Late Navel', 'Powell Late Navel', 'Chisleth Summer Navel' and 'Rohde Summer Navel' Location: two comparative growing trials, Sunraysia Horticultural Centre (SHC), Irymple, VIC, Loxton Research Centre (LRC) in Loxton, SA), conducted Nov 1991 - Nov 1994. Trial design: 5 trees at SHC and randomised complete block design at LRC. Measurements: 20 specimens selected randomly from 5 plants at SHC and 8 plants at LRC

Prior Applications and Sales 'Powell Late Navel' first sold Australia 1989.

Description: Megan Edwards, Sunraysia Horticultural Centre, Mildura, VIC

RHODODENDRON

Rhododendron griffithianum x *fortunei*

'Australian Cameo'

Application No: 93/154 Accepted: 20 Jul 1993
Applicant: **Advanced Specialty Horticultural Company**, Olinda, VIC

Description (Table 18, Figure 19) Plant: broad, bushy, evergreen shrub, average to late flowering. Leaf: medium size, elliptic towards oblanceolate, slightly concave in profile, acuminate to mucronate apices. Petiole: tinged greyed red RHS 178B on upper surface. Inflorescence: domed, average 17 semi pendulous flowers. Flowers: broadly elliptic bud open mid - late Spring; flowers single to semi double, open funnel campanulate shaped average 90mm diameter; corolla six lobes, broad apices, undulated margins; main flower colour (outside) red RHS 39B, strongest on the midrib of the corolla lobes; inside apical centimetre colour similar to outside fading to yellow RHS 11B in throat; throat basal centimetre strong red RHS 46A, strong small red spots the same colour as the base of the throat distributed completely over the inner surface of one corolla lobe and over half of the other two.

Origin Controlled pollination: 'Apricot Gold' by 'Lem's Cameo'. Breeder: Karel Van de Ven, Avonsleigh, VIC. Selection criteria: flower colour. Commercial propagation: tissue culture and cuttings.

Comparative Trials Comparator: 'Lem's Cameo'. Location: Olinda, VIC. Conditions: plants propagated by cuttings 1988 potted into 30cm pots with standard potting mix and slow-release fertilisers Jun 1993, placed under 50% shade cloth. Trial design: varieties arranged in single adjacent blocks. Measurements: single samples collected from 10 plants of each variety selected at random; assessment of leaf length based on 20 samples.

Prior Applications and Sales Nil

Description : Paul Armitage, Plant Advance Pty Ltd, VIC

'Australian Rainbow'

Application No: 93/152 Accepted: 20 Jul 1993
Applicant: **Advanced Specialty Horticultural Company**, Olinda, VIC

Description (Table 18, Figure 20) Plant: broad, bushy, evergreen shrub, with late flowering. Leaf: medium size, ovate towards elliptic, acuminate apices, slightly concave in profile with a slight to strong twist, upper surface marked by a fleck variegation concentrated close to veins and midrib. Petiole: upper surface tinged greyed purple RHS 187A. Inflorescence: domed, average 18 semi pendulous flowers. Flower: broadly elliptic bud open late Spring; flowers single, open funnel shaped average 99mm diameter; corolla deeply incised, five lobes, broad apices, undulated margins; main flower (outside) red purple RHS 56A strongest on midrib of the corolla lobes; inside apical centimetre colour similar to the outside fading to red RHS 56D in throat; throat basal centimetre not of different colour to rest of throat, some flowers have very faint pink spots distributed over the inner surface of one corolla lobe.

Origin Controlled pollination: 'Marion' by 'Lem's Cameo'. Breeder: Karel Van de Ven, Avonsleigh, VIC. Selection criteria: based on leaf variegation and flower colour. Commercial propagation: tissue culture and cuttings.

Comparative Trials Comparator: 'Lem's Cameo'. Location: Olinda, VIC. Conditions: plants propagated by cuttings in 1988 potted into 30cm pots with standard potting mix and slow-release fertilisers in Jun 1993 placed under 50% shade cloth. Trial design: varieties arranged in single adjacent blocks. Measurements: single samples collected from 10 plants of each variety selected at random; assessment of leaf length based on 20 samples.

Prior Applications and Sales Nil

Description : Paul Armitage, Plant Advance Pty Ltd, VIC

'Australian Sunset'

Application No: 93/155 Accepted: 20 Jul 1993
Applicant: **Advanced Specialty Horticultural Company**, Olinda, VIC

Description (Table 18, Figure 21) Plant: broad, bushy, evergreen shrub with average to late flowering. Stem: tinged with greyed purple RHS 183A when young. Leaf:

Table Rhododendron Varieties

(Comparison of 4 candidate varieties, *= comparator)

	'Australian Rainbow'	'Maria's Choice'	'Australian Cameo'	'Australian Sunset'	**'Lem's Cameo'
LENGTH OF SPRING GROWTH ON MAJOR STEMS at 1/11/93 (mm) LSD = 36.4**					
mean	101 ^{c***}	231 ^a	144 ^b	146 ^b	138 ^{bc}
std deviation	42.3	23.8	36.3	35.7	21.5
COLOUR OF YOUNG SHOOT (RHS)					
	mostly yellow green 144B & tinge of 172B	mostly yellow green 144B & tinge of 165B	mostly yellow green 144B & tinge of 165B	mostly yellow green greyed purple 183A	mostly yellow green greyed orange 165B
MATURE LEAF SHAPE					
	ovate elliptic	elliptic oblanceolate	elliptic oblanceolate	elliptic oblanceolate	elliptic oblanceolate
LEAF VARIEGATION					
	present	absent	absent	absent	absent
CROSS SECTION OF LEAF					
	slightly concave	slightly concave	slightly concave	slightly concave to slightly convex	slightly concave to slightly convex
TWISTING OF LEAF					
	slight to strong	slight	slight	slight	slight
SHAPE OF LEAF APEX					
	acuminate	acuminate mucronate	acuminate mucronate	mucronate	mucronate
LENGTH OF LONGEST SEPAL LOBE (mm) LSD = 8.4					
mean	5.5 ^c	40.8 ^a	28.5 ^b	20.7 ^b	28.7 ^b
std deviation	0.5	3.7	13.3	8.6	5.5
FLOWER SHAPE					
	open funnel	widely funnel campanulate	widely funnel campanulate	widely funnel campanulate	open funnel campanulate
MAIN COLOUR INSIDE FLOWER (RHS)					
	red 56C	yellow 11B	yellow 11B	red 38B	red 56B
MAIN COLOUR OUTSIDE FLOWER					
	red purple 66A	red 39B	red 39B	red 46B	red 55B
COLOUR OF BASAL 1cm OF THROAT (RHS)					
	red 56D	greyed purple 187A	red 46A	red 53A	red 46A
MARKINGS OF THE THROAT					
	very weak	weak	strong	medium	strong
INCISIONS OF COROLLA (mm) LSD = 2.4					
mean	38.7 ^a	27.0 ^c	28.2 ^{bc}	30.2 ^b	29.7 ^{bc}
std deviation	1.2	2.2	2.4	2.4	1.9
UNDULATION OF MARGIN OF COROLLA LOBES					
	medium	strong	medium	weak	strong
FLOWERING TIME (% of opened inflorescences)					
23/10/93	-	54	13	6	-
01/11/93	-	100	60	44	17
13/11/93	80	-	100	97	70

**LSD = P≤0.01

*** Values followed by the same letter are not significantly different (P 0.01) Duncans Multiple Range Test

medium size, elliptic towards oblanceolate, mucronate apices, slightly convex to slightly concave in profile. Petiole: tinged with greyed purple RHS 187A. Inflorescence: domed, average 17 semi pendulous flowers. Flower: broadly elliptic bud open in mid to late Spring; flowers single to semi double, widely funnel campanulate shaped averaging 89mm diameter; corolla six lobes, broad apices, slightly undulated margins; main flower (outside) red RHS 46B strongest on the midrib of the corolla lobes, inside the flower is a strong border of red RHS 39B on the apical centimetre, throat mainly red RHS 38B, basal centimetre strongly red RHS 53A, small red spots distributed completely over the inner surface of one corolla lobe and over half of the two others.

Origin Controlled pollination: 'Apricot Gold' by 'Lem's Cameo'. Breeder: Karel Van de Ven, Avonsleigh, VIC. Selection criteria: based on flower colour. Commercial propagation: tissue culture and cuttings.

Comparative Trials Comparator: 'Lem's Cameo'. Location: Olinda, VIC. Conditions: plants propagated by cuttings 1988 potted into 30cm pots with standard potting mix and slow-release fertilisers in Jun 1993, placed under 50% shade cloth. Trial design: varieties arranged in single adjacent blocks. Measurements: single samples collected from 10 plants of each variety selected at random; assessment of leaf length based on 20 samples.

Prior Applications and Sales Nil

Description: Paul Armitage, Plant Advance Pty Ltd, VIC

'Maria's Choice'

Application No: 93/153 Accepted: 20 Jul 1993
Applicant: **Advanced Specialty Horticultural Company**, Olinda, VIC

Description (Table 18, Figure 22) Plant: broad, bushy, evergreen shrub, average flowering. Leaf: medium size, elliptic towards oblanceolate, slightly concave in profile, acuminate to mucronate apices. Petiole: tinged greyed purple RHS 187B on upper surface. Inflorescence: domed, average of 13 semi-pendulous flowers. Flowers: broadly elliptic buds open mid Spring; flowers semi double, widely funnel campanulate shaped average 82mm diameter; largest sepal lobes average 40mm in length; corolla six lobes, broad apices, margins crenulated, strongly undulated; main flower colour outside red RHS 39B strongest at midribs of corolla and sepal lobes, inside apical centimetre colour similar to outside of flower, fading to yellow RHS 11B in throat, basal centimetre of throat strongly greyed red RHS 187A, faint red small spots distributed completely over the inner surface of one corolla lobe and on half of other two.

Origin Controlled pollination: 'Apricot Gold' by 'Lem's Cameo'. Breeder: Karel Van de Ven, Avonsleigh, VIC. Selection criteria: based on semi double flowers, colour, undulated corolla margins. Commercial propagation: tissue culture and cuttings.

Comparative Trials Comparator: 'Lem's Cameo'. Location: Olinda, VIC. Conditions: plants propagated by

cuttings in 1988 potted into 30cm pots with standard potting mix and slow-release fertilisers in Jun 1993 placed under 50% shade cloth. Trial design: varieties arranged in single adjacent blocks. Measurements: single samples collected from 10 plants of each variety selected at random; assessment of leaf length based on 20 samples.

Prior Applications and Sales Nil

Description: Paul Armitage, Plant Advance Pty Ltd, VIC

GRANTS

The following are now protected varieties under the *Plant Breeder's Rights Act 1994*

BARLEY

Hordeum vulgare

'Osprey' syn. 'Galaxy'

Application No: 93/071 Grantee: **Twyford Seeds Ltd**
Certificate No: 453 Expiry Date 19 Feb 2013

CAMELLIA

Camellia sasanqua

'Paradise Petite'

Application No: 93/142 Grantee: **Mr RJ Cherry**
Certificate No: 435 Expiry Date 19 Jul 2013

'Paradise Belinda'

Application No: 93/143 Grantee: **Mr RJ Cherry**
Certificate No: 436 Expiry Date 19 Jul 2013

'Paradise Little Liane'

Application No: 93/144 Grantee: **Mr RJ Cherry**
Certificate No: 437 Expiry Date 19 Jul 2013

'Paradise Venessa'

Application No: 93/145 Grantee: **Mr RJ Cherry**
Certificate No: 438 Expiry Date 19 Jul 2013

COTTON

Gossypium hirsutum

'DP 891' breeders reference 'DPX 891' & 'DP 5891'

Application No: 92/069 Grantee: **Delta and Pine Land Co**
Certificate No: 445 Expiry Date 30 Jun 2012

ITALIAN RYEGRASS

Lolium multiflorum

'Noble'

Application No: 93/148 Grantee: **Queensland Department of Primary Industry**
Certificate No: 452 Expiry Date 29 Jun 2013

LUCERNE

Medicago sativa

'L69' breeders reference '5715'

Application No: 92/060 Grantee: **Pioneer Hi-Bred International Inc**
Certificate No: 446 Expiry Date 21 May 2012

MUNG BEAN

Vigna radiata

'Black Pearl'

Application No: 94/081 Grantee: **PJ & JM Sullivan**
Certificate No: 441 Expiry Date 30 Mar 2014

OAT

Avena sativa

'Condamine' syn. 'PO 475'

Application No: 93/086 Grantee: **Pacific Seeds**
Certificate No: 450 Expiry Date 19 Mar 2013

PANIC GRASS

Panicum laxum

'Shadegro' breeders reference 'CPI 53932'

Application No: 94/132 Grantee: **CSIRO Division of Tropical Crops and Pastures**
Certificate No: 447 Expiry Date 14 Jun 2014

ROSE

Rosa

'Interonly' syn. 'Only Love'

Application No: 93/139 Grantee: **Interplant BV**
Certificate No: 439 Expiry Date 8 Jun 2013

'Ruidriko' syn. 'Vivaldi'

Application No: 92/127 Grantee: **De Ruiter's Nieuwe Rozen BV**
Certificate No: 443 Expiry Date 7 Sep 2012

'Ruizesac' syn. 'Astra'

Application No: 93/138 Grantee: **De Ruiter's Nieuwe Rozen BV**
Certificate No: 444 Expiry Date 8 Jun 2013

'SUNwend' syn. 'Wendy'

Application No: 92/176 Grantee: **Riverland Nurseries Ltd**
Certificate No: 440 Expiry Date 2 Dec 2012

STRAWBERRY

Fragaria x ananassa

'Coogee' syn. '88-027-583'

Application No: 93/136 Grantee: **Daratech Pty Ltd**
Certificate No: 449 Expiry Date 8 Jun 2013

'Mindarie' syn. '88-023-200'

Application No: 93/135 Grantee: **Daratech Pty Ltd**
Certificate No: 451 Expiry Date 8 Jun 2013

WAXFLOWER

Chamelaucium uncinatum

'Cascade Mist'

Application No: 93/160 Grantee: **AJ Newport & Son**
Certificate No: 442 Expiry Date 19 Jul 2013

Chamelaucium forestii

'Whitefire'

Application No: 91/036 Grantee: **NSW Department of Agriculture & Fisheries**
Certificate No: 448 Expiry Date 23 Jul 2011

WEeping FIG

Ficus benjamina

'Citation' syn. 'Curly Ben'

Application No: 93/031 Grantee: **Bret T Wood**
Certificate No: 454 Expiry Date 3 February 2013

APPLICATIONS VARIED

Rights to *Telopea speciosissima* variety '**Cardinal**' (94/133) assigned to **Mr RH Pope, Mr Paul Nixon, and Yellow Rock Native Nursery Pty Ltd.**

The varietal names of the *Brachyscome* varieties with breeders' references '**PGA Form 93/1**', '**PGA Form 93/2**' and '**PGA Brac 93/3**' and application numbers 94/142, 94/143, and 94/144 respectively, are '**Happy Face**', '**Happy Face Pink**', and '**Lemon Twist**'.

APPLICATIONS WITHDRAWN

Rosa hybrid '**Olytel**' syn. '**Super Disco**' (93/186)

Microlaena stipoides '**Griffin**' syn. '**704.8.14.1.5**' (94/126) withdrawn. A new application of the same species with varietal name '**Griffin**' syn '**703.6.12**' (95/052) has been accepted.

Brachyscome multifida x *curvicarpa* **PGA.BRAC 93/6** (94/145) and **PGA.BRAC 93/8** (94/146).

Phaseolus vulgaris '**Celtic**' (94/059) and '**Barracuda**' (94/060).

Rosa '**Welpeach**' (93/245), '**Meivouplix**' syn. '**Kabuki**' (89/055) and '**Meivrofix**' syn. '**Zurella**' (89/056).

CORRIGENDA

In Plant Varieties Journal 8(1)3, owner/applicant of the *Argyranthemum frutescens* '**Primrose**' was given as Russell Bradbury when it is **Mr Frank Hammond**.

The photographs published in Plant Varieties Journal 4(2) 18 were transposed with respect to the *Chamelaucium uncinatum* varieties 91/041 & 91/042 with varietal names '**Pearl Buttons**' and '**Pristine**' respectively

The Public Notice of acceptance of the *Rosa* variety '**Yu Giri**' was mistakenly inserted in the Cumulative Index of the 1994 December issue of Plant Varieties Journal 7(4). Public Notice of its acceptance is in the June 1995 issue of the Journal 8(2).

APPENDIX 1

FEES

PBR Fees	\$
Application	300
Examination - single application	1400
Examination - application based on overseas test data	1400
Examination - multiple applications*	1200
Certificate of PBR	300
Total Basic Fees	2000

* Applicable to 2 or more varieties of the same species tested at the same site when applications are lodged simultaneously by the same applicant or agent, 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 - varieties with no direct use as a consumer product	100
Amendment of the Register on notification of 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 thereof	75

Payment of Fees

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

Plant Breeder's Rights Office
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 neither assigned an application number nor examined for acceptance pending the payment of the fee.

Examination fee

Non-payment of the examination fee before the expiry of 12 months* from the date of acceptance of an application will automatically result at the end of 12 months in a refusal of the application. 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 may require the prior payment of the examination fee.

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.

Annual fee

Should an annual 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 has not been advised to proceed with the examination 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 Breeder's Rights Advisory Committee (PBRAC)

(Members of the PBRAC hold office in accordance with S85 of the *Plant Breeder's Rights Act 1994*.)

Dr Kevin Boyce
Principal Officer, Seed Services
Plant Services Division
South Australian 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, South Australian 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 Breeder's 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 the Plant Breeder's Rights Office based on information provided by these persons. From the information provided by the applicants, the PBR Office 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 the list of persons is an implicit recommendation of the person so listed. The PBR Office cannot be held liable for damages that may arise from the omission or inclusion of a person's name in the list nor does it 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 of 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 consultant's 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 Stearne, Peter Tancred, Stephen Valentine, Bruce
Aquatic	Birkhill, Ann-Marie
Anigozanthos	Paananen, Ian
Aroid	Clarke, Charles
Azalea	Barrett, Mike Hempel, Maciej Paananen, Ian
Barley (Common)	Rees, Robert Trethowan, Richard

Table 1 - continued

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
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 Scattini, Walter 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	Miller, Jeff

Table 1 - continued

	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
Fig	FitzHenry, Daniel
Forage Grasses	Berryman, Tim Bray, Robert Kirby, Greg Mitchell, Leslie
Forage Legumes	Miller, Jeff
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
Impatiens	Paananen, Ian
Industrial Crops	Milthorpe, Peter
Jojoba	Dunstone, Bob

Table 1 - continued

Kangaroo Paw	Kirby, Greg
Legumes	Aberdeen, Ian Bowman, Alison Bray, Robert Cook, Bruce Downes, Ross Hacker, Byron Imrie, Bruce Kirby, Greg 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
Onions	Cross, Richard Fennell, John Robinson, Ben Scholefield, Peter Strange, Pamela
Orchids	Clarke, Charles
Ornamentals - Exotic	Armitage, Paul Bath, Geoffrey Birkhill, 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

Table 1 - continued

	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 Strange, Pamela Tan, Beng Watkins, Phillip Worrall, Ross
Ornithopus	Nichols, Phillip
Osmanthus	Paananen, Ian Robb, John
Pastures & Turf	Aberdeen, Ian Avery, Angela Berryman, Tim Bowman, Alison Cook, Bruce Cunningham, Peter Downes, Ross Harrison, Peter Hacker, Bryan Kaapro, Jyri Kirby, Greg Lee, Choo Kiang Loch, Don Miller, Jeff Mitchell, Leslie Rose, John Smith, Raymond Scatini, Walter John Williams, Warren Wilson, Frances

Table 1 - continued

Pear	Baxter, Leslie Mackay, Alastair Robinson, Ben Scholefield, Peter Tancred, Stephen Valentine, Bruce
Petunia	Paananen, Ian
Photinia	Robb, John
Pistacia	Sykes, Stephen
Potatoes	Cross, Richard Fennell, John Kirkham, Roger Robinson, Ben Scholefield, Peter Strange, Pamela Stearne, Peter
Proteaceae	Reid, Robert Robb, John 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
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
Soybean	Andrews, Judith
Stone Fruit	Barrett, Mike Boucher, Wayne

Table 1 - continued

	Mackay, Alastair 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 Gopal, Ram 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 Gopal, Ram Kirkham, Roger Lenoir, Roland Oates, John Pearson, Craig Robinson, Ben Scholefield, Peter Scott, Peter Strange, Pamela Van Holthe, Jan Westra
Verbena	Paananen, Ian
Waratah	Alexander, Susan Kirby, Neil
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	Tasmania
Allen, Paul	07-824 0263	SE QLD, Northern NSW
Andrews, Judith	069-530 214 069-530 268(fax)	Southern NSW, Northern Vic
Armitage, Paul	03-756 7233	Victoria
Avery, Anglea	060-262205	South Eastern Australia
Barthold, Graham	059-97 1413	Southern Victoria
Barrett, Mike	02-875 3087	NSW/ACT
Bath, Geoffrey	057-625520	VIC, Southern NSW, TAS
Baxter, Leslie	002-784 358	Tasmania
Beal, Peter	07-28 61488	QLD & Northern NSW
Berryman, Tim	045 775 172	Sydney & Environs
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	Tasmania
Bound, Sally Anne	002-784 357	Tasmania
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 Queensland
Collins, Ian	045-666 177	Sydney
Cook, Bruce	074-82 1522	Queensland
Cooling, Beth	075-934 253(w) 075-332 277(a/h)	Gilston, Queensland
Cooper, Katharine	08-372 2280	Australia
Cross, Richard	64-3-325 6400(ph) 64 3 325 2074(fax)	New Zealand
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	Tasmania
Fisk, Anne Marie	059-89 2817	Melbourne region
FitzHenry, Daniel	048-622 487	Sydney and surrounding districts
Fox, Primrose	02-629 2245	Sydney
Friend, Joe	070-914 188	Northern QLD & NSW
Frkovic, Edward	069-62 7333	Australia
Gopal, Ram	03-810 8800	Victoria
Hacker, Bryan	07-377 0210	South QLD, Northern NSW
Hanger, Brian	03-756 7532	Victoria
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 Queensland
Herrington, Mark	07-286 1488	Southern Queensland

Table 2 - continued

Hockings, Francis David	074-943385	Southern Queensland
Imrie, Bruce	07-377 0209	SE Queensland
Jack, Brian	099-525 040	South West WA
Jotic, Predo	002-664305	Tasmania
Jusaitis, Manfred	08-336 3755	South Australia
Kadkol, Gururaj	053-82 1269	North Western Victoria
Kaapro, Jyri	02-736 1233 02-743 6348 (fax)	Sydney and surrounding areas
Kennedy, Peter	063-82 1077	Australia
Kirby, Greg	08-201 2176	South Australia
Kirkham, Roger	059-629218	Victoria
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 Victoria
Lee, Peter	003-301147	SE Australia
Lee, Slade	071-556 244	Queensland/Northern New South Wales
Leske, Richard	076-713136	Cotton growing regions of QLD & NSW
Loch, Don	074-821522	Queensland
Lowe, Greg	043-622 057 Ph 043-622 003 fax	Sydney, Central Coast NSW
Lunghusen, Mark	059-624 768	Melbourne & environs
Mackay, Alastair	097-711 299 Ph 097-712 544 fax	Western Australia
Martin, Stephen	002-784307	Tasmania
McDonald, David	083-627 911 083-630 610 fax	Victoria/NSW/SA/QLD
Miller, Jeff	64-6-358-6019 extn 8106	Manawatu region, New Zealand
Milthorpe, Peter	068-952099	Condobolin district, New South Wales
Mitchell, Leslie	058-212 021 058 311 592 fax	VIC, Southern NSW
Molyneux, William	03-728 1222	Victoria
Morrison, Bruce	03-210 9251	East of Melbourne
Nichols, David	059-77 4755	SE Melbourne, Mornington Peninsula and Dandenong Ranges, Victoria
Nichols, Phillip	09-368 3229	Western Australia
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 Queensland

Table 2 - continued

Scattini, Walter John	07-356 0863/356 0371	
	07-356 0863(fax)	Tropical and sub-tropical
		Australia
Scholefield, Peter	08 373 2488	SE Australia
Scott, Peter	06-653 1362	Sydney region
Singh, Deo	018-880 787	
	07-207 5998(fax)	Brisbane
Smart, Geoffrey	046 512 600	New South Wales
Smith, Stuart	003-36 5234	SE Australia
Stearne, Peter	02-262 2611	Sydney, ACT & NSW
Stewart, Angus	043-253 944	Sydney, Gosford
Strange, Pamela	08-373 2488	South Australia
Stuart, Peter	076-902 666	SE Queensland
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	Victoria
Valentine, Bruce	063 61 3919	New South Wales
Van Holthe Jan Westra	03-706 3033	Australia
Vertigan, Wayne	003-36 5221	Tasmania
Watkins, Phillip	09-525 1800	Perth Region
Williams, Warren	64-6-356 8019	New Zealand
Wilson, Frances	64-3-318 8514	Canterbury, New Zealand
Wilson, Robert	054-496 244	VIC, Murray Region of NSW
Wilson, Stephen	002-784 364	SE Australia
Worrall, Ross	043-280 300	Australia



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