Plant Varieties Journal

Quarter Three 1997 Volume 10 Number 3

Official Journal of Plant Breeders Rights Australia

Treloar Roses

Treloars are the Australian Agent for W. Kordes & Sons of Germany, who are recognised worldwide as leaders in producing new garden and cut flower varieties.

The following Kordes varieties are protected under Plant Breeders Rights:

Variety	*Synonym*	*Type*	*Applic No.*
KORFERSE	Coco	Cut Flower	91/051
KORSORB	Cubana	Cut Flower	91/052
KORPINKA	Summer Fairytale	Ground Cover	94/088
KORDABA	Lambada	Cut Flower	94/089
KORCRISETT	Calibra	Cut Flower	94/090
KORLAPER	La Perla	Cut Flower	94/091
KORBACOL	Texas	Cut Flower	94/092
KORCILMO	Escimo	Cut Flower	94/093
KORSCHWAMA	Black Madonna	Hybrid Tea	94/094
KORBOLAK	Melody	Cut Flower	89/129
KORKUNDE	Toscana	Cut Flower	89/130
KORMADOR	Tamara	Cut Flower	89/131
KOROKIS	Kiss	Cut Flower	89/132
KORMILLER	Dream	Cut Flower	96/076
KORILIS	Eliza	Cut Flower	96/077
KORAZERKA	Ekstase	Hybrid Tea	96/078
KORTANKEN	Domstadt Fulda	Floribunda	96/082
KORVERPEA	Kleopatra	Hybrid Tea	96/084
KORFISCHER	Hansa-Park	Shrub	96/085
KORMAREC	Summerabend	Ground Cover	96/086
KORBASREN	Pink Bassino	Ground Cover	96/087
KORPLASINA	Our Vanilla	Cut Flower	96/081
SPEKES	Our Sacha	Cut Flower	96/080
KORANDERER	Our Golden Queen	Hybrid Tea	97/201
KOROMTAR	Cream Dream	Cut Flower	97/204
KORGENOMA	Emely	Cut Flower	97/207
KORSULAS	Limona	Cut Flower	97/203
KORMURENA	Magic Silver	Cut Flower	97/202
KORRUICIL	Our Esther	Cut Flower	97/205
KORVESTAVI	Sunny Sky	Cut Flower	97/200
KORHOCO	Vital	Cut Flower	97/206

Please contact us for further information on these excellent new varieties

Treloar Roses Pty Ltd

"Midwood", Portland VIC 3305. Phone: (03) 5529 2367. Fax: (03) 5529 2511

Plant Varieties Journal

QUARTER THREE, 1997 **VOLUME 10 NUMBER 3**

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Part 2 – Public Notices

SUBSCRIPTION ENQUIRIES AND ADVERTISING SHOULD BE ADDRESSED TO:
PLANT BREEDERS RIGHTS AUSTRALIA
Department of Primary Industries and Energy
GPO Box 858, Canberra ACT 2601
Telephone: (02) 6272 4228 Facsimile: (02) 6272 3650
Homepage: http://www.dpie.gov.au/agfor/pbr/pbr.html

CLOSING DATE FOR ISSUE VOL 10 NO 4 : November 14

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Acknowledgments: **Lyn Craven,** Australian National Herbarium, Division of Plant Industry, CSIRO for assistance with scientific names; **Iain Dawson,** Australian Cultivar Registration Authority for scientific advice; **Roger Spencer,** Royal Botanic Gardens, Melbourne and Greenlife Database™ for assistance with varietal names.

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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 fulfil all the conditions for the grant of PBR to the variety.

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

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.

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

Applying For Plant Breeders 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 PBR office and an accredited Qualified Person (Appendix 3) experienced in the plant species in question.

Requirement to Supply Comparative Varieties

Once an application has been accepted by the PBR office, it is covered by provisional protection. Also it **immediately** becomes a 'variety of common knowledge' and thus may be required by others as a comparator for their applications with a higher application number.

Applicants are reminded that they are required to release propagative material for comparative testing provided that the material is used for no other purpose and all material relating to the variety is returned when the trial is complete. The expenses incurred in the provision of material for comparative trials is borne by those conducting the trials.

As the variety is already under provisional protection, any use outside the conditions outlined above would qualify as an infringement and would be dealt with under section 53 of the Plant Breeder's Rights Act.

Applicants having difficulties procuring varieties for use in comparative trials are urged to contact the PBR office immediately.

UPOV Developments

Ecuador and Mexico joined The Union for the Protection of New Varieties of Plants (UPOV), in August 1997, to become its 33rd and 34th members respectively. However, the 1991 Act of the UPOV Convention is still to come into force requiring a further two countries to lodge instruments of accession. Denmark, Israel and The Netherlands acceded in 1996 and it is expected that others will shortly follow. The addresses of Plant Variety Protection offices in UPOV member states are listed in Appendix 5.

Instructions to Authors

Role and importance of the description

The main roles of the descriptions are to provide public notice that a grant of PBR to a particular variety is imminent, to fulfil the examination requirements of the Act and to register the official and legal description of a variety. The description is also the immediate reference for all legal and technical requirements under PBR for twenty or more years.

Consequently, an accurate and complete description of a new variety in the correct format is essential in ensuring the smooth progress of an application and the validity of the subsequent grant. The need to rectify incomplete and poorly formatted descriptions causes frustration for QP's (and PBR staff) and may lead to delays in publication, and therefore, the granting of rights. Before submitting a Part 2 application please ensure all relevant information is included and that the technical accuracy of the descriptions has been checked.

A complete Part 2 application consists of the following:

- the completed first page of the Part 2 form signed by a qualified person.
- "Certification by a Qualified Person" (QP2) form completed and signed.

- a **long** description - the full text description, together with information on the origin and comparative test; and a complete comparative table. This is the official description of the variety and is used as the reference for any objections and comments consequently it contains all of the information and data that the applicant and/or QP considers relevant in support of the application. Generally the format is less strict than for the short description.

- a **short** description - a concise summary of the long description with an abridged comparative table. This is the description which is published in the *Plant Varieties Journal*. Consequently the format of the short description is very strict so as to maintain consistency. The table of the short description should only contain characters that are distinct from comparators. Any non distinct characters are included in the text of the description. In this way as much information as possible is included whilst still keeping the description concise. As a general rule avoid duplication of information.

- a photographic slide for publication featuring the principal distinguishing characters of the variety and eight copies of print of the same subject to include in the PBR register.

- an electronic copy of both descriptions, preferably in MS Word for IBM format or Rich Text Format(rtf). These can be submitted either on 3½"disk or via Email.

- payment of the examination fee if not already paid.

Since both the long and short descriptions play a decisive role in the examination process and for fulfilling all the requirements under the PBR Act, it is imperative that the short and long descriptions of the variety be *submitted simultaneously.*

General format of the descriptions

Both descriptions should be presented under the following headings;

- Details of the application
- Description
- Origin
- Comparative Trial
- Prior Applications and Sales
- Name of Qualified Person
- Comparative table

Format

Never use the table creating features of word processing packages. Instead use **single** tabs to align columns. Never use drawing objects to create lines, boxes or shading. Instead use the underscore character (_) to create lines for tables. Tables should normally be either 8.5cm wide (half page) or 17.5cm wide (full page). If necessary very wide tables can be presented in landscape.

Describe characters in the following order: Ploidy, Seedling, Plant, Stem, Leaf, Inflorescence, Flower, Fruit, Seed, Other characters (disease resistance, etc). Characters within subheadings should generally be in the following order: attitude, height, length, width, size, shape, colour, other. Use a concise taxonomic style in which subheadings are followed by a colon and characters are separated by a comma.

For example:

> **Description** (Table nn, Figure nn) Ploidy: tetraploid. Plant: habit narrow bushy, late maturing. Stem: anthocyanin absent. Leaf: width narrow, length long, green RHS 137A. Flower: yellow RHS 12A, petals 5 …..etc

For consistency, botanical and common names should follow those of: *Hortus Third*, Staff of the LH Bailey Hortorium, Macmillan Publishing Company, 1976; *Census of Australian Vascular Plants*, RJ Hnatiuk AGPS, 1990; *The Smart Gardeners Guide to Common Names of Plants*, M Adler Rising Sun Press 1994; or *A Checklist of Economic Plants in Australia*, CSIRO 1994.

The style and formatting of descriptions published in recent *Plant Varieties Journals* should be used as guide when preparing the short version. They are a precis of the submitted long descriptions. However, not all fully represent the precise requirements for the short description. If in doubt the QP should contact the PBR office for clarification.

Completed Part 2 Applications should be sent to:

Plant Breeders Rights Australia
Department of Primary Industries and Energy
GPO Box 858 CANBERRA ACT 2601

To facilitate editing, descriptions may also be sent via Email to either:
dwaterho@dpie.gov.au or Tanvir.Hossain@dpie.gov.au. In this case the hardcopy, examination fee, slide and 8 photographs must also be sent by post.

PVJ Service Directory

Plant Varieties Journal has introduced a *Service Directory* in response to your enquires. We are very happy to be able to assist you in promoting your services to a wider circulation of readers in the horticultural, nursery and agricultural industries.

The directory is designed for 12 individual advertisements or you may prefer to book a block of space. (Refer to *Service Directory* in this issue). The cost of each 6cm x 6cm space is $50.00.

If you are a plant breeder, agent, patent attorney, QP, photographer or you have another service to offer, then please consider this opportunity to advertise in our directory.

For more information please contact Kathryn Dawes-Read on 02 6272 4228.

IMPORTANT CHANGES

Herbarium Specimens

It is a requirement of the PBR Act that, for all native species, a suitable specimen be sent to the Australian Cultivar Registration Authority (ACRA). Previously the processing of these specimens has been provided free of charge. However from 1 January 1998 ACRA will be charging a fee of $50 per variety. The fee should be sent directly to ACRA along with the specimen and a completed 'ACRA Herbarium Specimen' (Herb1) form.

Current PBR Forms

The official forms for PBR purposes are periodically updated. A list of current PBR forms with their numbers and date of last update is given below. When a form is updated, the month and the year of the last update follows the form number within parentheses. For example, Form P1 was last updated in July 1997 and therefore this form gets a designation of Form P1 (7/97). We also encourage you to consult the 'Guidelines for Completing Part 1 Application Form' before filing in the Part 1 Application. We encourage you to use the latest version of the forms. If you do not have the latest updated version of the form(s) you want to use, please contact the PBR office to obtain them.

Name of Form	Form Number	Last Updated
Application for Plant Breeders Rights Part 1 – General Information	Form P1	July 1997
Guidelines for Completing Part 1 Application Form	Part1ins	July 1997
Application for Plant Breeders Rights Part 2 – Description of New Variety	Form P2	September 1996
Nomination of a Qualified Person	Form QP 1	October 1996
Certification by a Qualified Person	Form QP 2	September 1994
Proposed Variety Names	Form DEN1	December 1995
Extension of Provisional Protection and Payment/Deferment of Examination Fee (for PVR applications)	Form EXT 1	April 1995
Extension of PBR Provisional Protection (for PBR applications)	Form EXT 2	August 1996
Status of Application	Form STAT 1	November 1995
ACRA Herbarium Specimen	Form Herb 1	October 1997

Overseas Test Reports

Many PBR applications are based on overseas DUS test reports. In the past the PBR office has obtained these reports from the relevant overseas testing authorities. Often these reports duplicated information already held by the applicant.

In many cases DUS test reports are accepted in lieu of conducting a similar trial in Australia. In this way the applicants are waived the costs of conducting a comparative trial. However, as the costs of procuring these reports were not passed on to the applicants, there is some cross subsidisation by other applications.

The PBR office will not be responsible for obtaining overseas DUS test reports on behalf of applicants. *It will be the sole responsibility of the applicants or their agents to obtain these reports*. Where applicants already have reports they are advised to submit a certified true copy of the report with the application.

Agents seeking test reports are advised to contact their principal and procure DUS test reports directly from them.

Certified true copies of DUS test reports *in English* will be accepted by the PBR office. Some test reports in other languages that closely follow UPOV Technical Guidelines may be accepted.

If you have any difficulties in obtaining the report please contact the PBR office.

Obtaining United States Plant Patent Protection Based on Your Australian PBR Application/PBR Grant

Dr Peter Stearne
Patent Attorney
Davies Collison Cave, Sydney

Australian Plant Breeders Rights applicants for new asexually propagated varieties can readily obtain US plant patent protection under the United States Plant Patents Act. A US Plant Patent specification can be prepared based on a Part 2 PBR application form.

WHAT IS A US PLANT PATENT?

A US plant patent is a legal right which relates to a new asexually reproduced plant variety. This right gives the

owner the capacity to stop another party marketing, importing, exporting or reproducing the variety. The patent right can be licensed to another party or assigned (that is sold).

WHAT IS PATENTABLE?

As mentioned above the US Plant Patents Act is only applicable to asexually reproduced varieties (sexually reproduced varieties are protected by the US Plant Variety Protection Certificate which I will write about in a future article). Any newly-created asexually reproduced variety including mutants, hybrids and new-found seedlings are patentable. Tuber producing species are excluded from patentability.

The US plant patent system has been in force since 1930 and thousands of US plant patents have been issued for a wide variety of asexually reproduced species.

THE REQUIREMENTS FOR OBTAINING A US PLANT PATENT

A written description of the plant variety is required to be filed in the form of a patent specification which describes the variety and distinguishes it from known varieties which closely resemble it. The description of the variety must be as complete as possible and include one or more photographs which show the particular characterising features of the variety. In this regard, the written description of one or more significant distinguishing characteristics, whether functional, morphological or biochemical is necessary to establish patentability. Desirably a description of comparison varieties is included in the specification so as to highlight the distinguishing features of the new variety. Where colour is significant, colour photographs should be submitted, and relevant RHS colour designations given.

The plant patent specification must conclude with a single "claim" which specifically forms the basis of protection conferred by the plant patent. The single claim need not recite all the detailed characteristics of the variety but may be in an abbreviated format that refers to the new variety "substantially as shown and described" in the application.

US Plant Patent No. 9,609 which I prepared for Newports Nurseries, Australia for a new variety of *Chamelaucium uncinatum* "Cascade Brook" reads as follows:

1. A new and distinct *Chamelaucium uncinatum* plant substantially as shown and described herein, distinguished principally from other varieties of its type by biannual flowering, petal colour, mature nectary colour and flower size.

As a patent attorney whose practice includes plant related matters, I have prepared a number of US plant patent specifications which have proceeded to grant as US plant patents effectively, and cost efficiently. In these cases the Plant Breeders Rights Part 2 Application was used as the basis for the preparation of the plant patent specification.

A US plant patent application can be prepared and filed at any time during the application phase of a plant breeder's rights application. After grant of a PBR it may be possible to obtain US plant patent protection.

PROCEDURAL ISSUES

A US plant patent application is filed with the United States Patent and Trade Mark Office in Washington DC. It is examined by specialist plant patent examiners with a fairly rapid turn-around, such that a US plant patent is generally granted on the application within about one year of filing. Once the plant patent issues the patent specification is published. The term of the patent is 20 years from the date of application. The patent extends throughout the United States and its territories and provides specific protection for asexually reproduced plant varieties.

In conclusion a valuable property right is available to Australian plant innovators in the United States. The ideal basis for the preparation of this right is the Australian Plant Breeders Rights application. Serious consideration should be given to filing a US plant patent application for a commercially valuable asexually reproduced variety given the very large market place which the United States represents and its relatively insatiable appetite for new plants, whether in the form of ornamentals, or food type varieties.

Part 2 - Public Notices

Varieties Included in this Issue

ACCEPTANCES

The following varieties are under provisional protection from the date of acceptance.

APPLE
Malus domestica

'Delkistar'
Application No: 97/158 Accepted: 26 Aug 1997.
Applicant: **Pepinieres et Roseraies Georges Delbard,** Malicorne, France.
Agent: **Ally Mackay & Associates,** Perth, Australia.

ARROW LEAF CLOVER
Trifolium vesiculosum

'Cefalu'
Application No: 97/149 Accepted: 7 Jul 1997.
Applicant: **Co-operative Research Centre for Legumes in Mediterranean Agriculture,** Nedlands, WA.

AVOCADO
Persea americana

'Llanos Hass'
Application No: 97/159 Accepted: 6 Aug 1997.
Applicant: **Anthony Philip & Cassandra Ann Llanos,** Hope Valley, WA.

BRACHYSCOME
Brachyscome angustifolia

'Mauve Delight'
Application No: 97/177 Accepted: 27 Aug 1997.
Applicant: **Evan Clucas,** Wandin North, VIC.
Agent: **Koala Blooms,** The Patch, VIC.

CAMELLIA
Camellia sasanqua

'Paradise Sayaka'
Application No: 97/188 Accepted: 4 Sep 1997.
Applicant: **R J Cherry,** Kulnura, NSW.

'Paradise Joan'
Application No: 97/189 Accepted: 4 Sep 1997.
Applicant: **R J Cherry,** Kulnura, NSW.

CANOLA
Brassica napus

'Striker'
Application No: 97/173 Accepted: 12 Aug 1997.
Applicant: Applicant: **New Zealand Institute for Crop & Food Research Ltd,** Christchurch, NZ.
Agent: **Heritage Seeds Pty Ltd, Howlong, NSW.**

CHILLI PEPPER
Capsicum annuum

'Peppadew'
Application No: 97/062 Accepted: 16 Sep 1997.
Applicant: **Johannes Martinus Steenkamp,** Tzaneen, Republic of South Africa.
Agent: **Davies Collison Cave Patent Attorneys,** Melbourne, VIC.

CLEMATIS
Clematis serratifolia

'Kugotia' syn **Tiara Gold**
Application No: 97/106 Accepted: 5 Aug 1997.
Applicant: **H.J.M. Kuijf & Zn.,** Uithoorn, The Netherlands.
Agent: **Plants Management Australia Pty Ltd,** Warragul, VIC.

CREEK LILLY PILLY
Syzygium luehmannii

'Royal Flame'
Application No: 97/174 Accepted: 25 Aug 1997.
Applicant: **Philip Vincent Packham,** Berowra Heights, NSW.

GRAPE
Vitis vinifera

'Red Rob Seedless' syn **BFS 3-37**
Application No: 97/191 Accepted: 10 Sep 1997.
Applicant: **Andriske Table Grapes Pty Ltd,** Gol Gol, NSW.

GREVILLEA
Grevillea longistyla x *Grevillea venusta*

'Firesprite'
Application No: 97/208 Accepted: 25 Sep 1997.
Applicant: **M.W. & O.B. Hodge,** Logan Reserve, QLD
Agent: **Australian Native Flora Promotions P/L,** Limpinwood Valley Road via Chillingham, NSW.

LAURUSTINUS
Viburnum tinus

'ANVI' syn **Spirit**
Application No: 97/170 Accepted: 10 Sep 1997.
Applicant: **Antigone Plantvermeerdering BV, Boskoop,** The Netherlands.
Agent: **Plants Management Australia,** Warragul, VIC.

LAVENDER
Lavandula stoechas

'Bee Dazzle'
Application No: 97/184 Accepted: 4 Sep 1997.
Applicant: **R J Cherry,** Kulnura, NSW.

'Bella Bambina'
Application No: 97/185 Accepted: 4 Sep 1997.
Applicant: **R J Cherry,** Kulnura, NSW.

LENTIL
Lens culinaris

'Cumra' syn **LEN 29610**
Application No: 97/115 Accepted: 8 Aug 1997.
Applicant: **Co-operative Research Centre for Legumes in Mediterranean Agriculture,** Nedlands, WA.

'Cassab' syn **ILL 7200**
Application No: 97/116 Accepted: 8 Aug 1997.
Applicant: **Co-operative Research Centre for Legumes in Mediterranean Agriculture,** Nedlands, WA.

LONG-LEAVED MATRUSH
Lomandra longifolia

'Cassica'
Application No: 97/166 Accepted: 7 Aug 1997.
Applicant: **Todd Layt,** Clarendon, NSW.

'Katrinus'
Application No: 97/168 Accepted: 7 Aug 1997.
Applicant: **Todd Layt,** Clarendon, NSW.

LOVEGRASS
Eragrostis elongata

'Elvera'
Application No: 97/167 Accepted: 7 Aug 1997.
Applicant: **Todd Layt,** Clarendon, NSW.

MARGUERITE DAISY
Argyranthemum frutescens

'Abby Belle' syn **M6/02**
Application No: 97/153 Accepted: 22 Jul 1997.
Applicant: **Frank Hammond,** Narre Warren East, VIC.

'Amy Belle' syn **M5/12**
Application No: 97/154 Accepted: 22 Jul 1997.
Applicant: **Frank Hammond,** Narre Warren East, VIC.

'Holly Belle' syn **M6/08**
Application No: 97/155 Accepted: 22 Jul 1997.
Applicant: **Frank Hammond,** Narre Warren East, VIC.

'Christy Belle' syn **M6/07**
Application No: 97/156 Accepted: 22 Jul 1997.
Applicant: **Frank Hammond,** Narre Warren East, VIC.

'Elly Belle' syn **M5/06**
Application No: 97/157 Accepted: 22 Jul 1997.
Applicant: **Frank Hammond,** Narre Warren East, VIC.

'Summer Melody'
Application No: 97/190 Accepted: 12 Sep 1997.
Applicant: **Protected Plant Promotions Australia Pty Ltd** & **The University of Sydney Plant Breeding Institute,** Cobbitty, NSW.
Agent: **The University of Sydney Plant Breeding Institute,** Cobbitty, NSW.

MARIGOLD
Tagetes hybrid

'Polynema'
Application No: 97/150 Accepted: 21 Jul 1997.
Applicant: **Dr. Th. J.P.G. van der Heijden,** Enkhuizen, The Netherlands.
Agent: Jerd Seeds, North Ringwood, VIC.

NARROW LEAFED LUPIN
Lupinus angustifolius

'Mason'
Application No: 97/223 Accepted: 22 Sep 1997.
Applicant: **Gary Mason,** Perenjori, WA.

NEPHTHYTIS
Syngonium podophyllum

'Holly M' syn **White Holly**
Application No: 97/151 Accepted: 1 Sep 1997.
Applicant: **Robert Morrison,** Ohio, USA.
Agent: **Burbank Biotechnology Pty Ltd,** Tuggerah, NSW.

'Gold Allusion'
Application No: 97/152 Accepted: 1 Sep 1997.
Applicant: **Bob Donaldson,** Florida, USA**.**
Agent: **Burbank Biotechnology Pty Ltd,** Tuggerah, NSW.

OSMANTHUS
Osmanthus delavayi

'Heaven Sent'
Application No: 97/186 Accepted: 4 Sep 1997.
Applicant: **R J Cherry,** Kulnura, NSW.

'Pearly Gates'
Application No: 97/187 Accepted: 4 Sep 1997.
Applicant: **R J Cherry,** Kulnura, NSW.

PAULOWNIA
Paulownia fortunei

'Octagenia'
Application No: 97/175 Accepted: 15 Aug 1997.
Applicant: **Forestech Ltd,** Mudgeeraba, QLD.
Agent: **Marek Lubomski,** Mudgeeraba, QLD.

PEAR
Pyrus communis

'Emerald Prince'
Application No: 97/108 Accepted: 5 Aug 1997.
Applicant: **Sam and Joe Zito,** Shepparton, East, VIC.

PEPPERMINT
Agonis flexuosa

'Forest Magic'
Application No: 97/162 Accepted: 15 Aug 1997.
Applicant: **Darren Wilson,** Forest Hills, VIC.
Agent: **D & A Mansfield & Sons,** Box Hill, VIC.

PERENNIAL RYE GRASS
Lolium perenne

'Fitzroy'
Application No: 97/179 Accepted: 16 Sep 1997.
Applicant: **Agriculture Victoria Services Pty Ltd,** Melbourne, VIC &
The New Zealand Pastoral Agriculture Research Institute Ltd, Hamilton, NZ.
Agent: **Agriculture Victoria Services Pty Ltd,** Melbourne, VIC.

POTATO
Solanum tuberosum

'CROP 3'
Application No: 97/180 Accepted: 1 Sep 1997.
Applicant: **New Zealand Institute for Crop & Food Research Ltd,** Christchurch, NZ.
Agent: **Crop & Food Research,** Albury, NSW.

'Macrusset'
Application No: 97/209 Accepted: 19 Sep 1997.
Applicant: **Agriculture Victoria Services Pty Ltd,** Melbourne, VIC.

'Ruby Lou'
Application No: 97/210 Accepted: 19 Sep 1997.
Applicant: **Agriculture Victoria Services Pty Ltd,** Melbourne, VIC.

'Riverina Russet'
Application No: 97/211 Accepted: 19 Sep 1997.
Applicant: **Agriculture Victoria Services Pty Ltd,** Melbourne, VIC.

ROSE
Rosa

'Meicofum'
Application No: 97/195 Accepted: 11 Sep 1997.
Applicant: **Meilland Star Rose,** Le Luc en Provence, France.
Agent: **Peter J Lee, Selection Meilland Australia,** Rosevears, TAS.

'Meitinor'
Application No: 97/196 Accepted: 11 Sep 1997.
Applicant: **Meilland Star Rose,** Le Luc en Provence, France.
Agent: **Peter J Lee, Selection Meilland Australia,** Rosevears, TAS.

'Olijkroet'
Application No: 97/197 Accepted: 12 Sep 1997.
Applicant: **Olij Rosen B.V. ,** De Kwakel, The Netherlands.
Agent: **Peter J Lee, Selection Meilland Australia,** Rosevears, TAS.

'Olijcrem'
Application No: 97/198 Accepted: 12 Sep 1997.
Applicant: **Olij Rosen B.V.,** De Kwakel, The Netherlands.
Agent: **Peter J Lee, Selection Meilland Australia,** Rosevears, TAS.

'Noason' syn **Yellow Ground Cover**
Application No: 97/199 Accepted: 11 Sep 1997.
Applicant: **Reinhard Noack,** Gutersloh, Germany.
Agent: **Flower Carpet Pty Ltd,** Silvan, VIC.

'Korvestavi' syn **Sunny Sky**
Application No: 97/200 Accepted: 15 Sep 1997.
Applicant: **Wilhelm Kordes,** Klein Offenseth-Sparrieshoop, Germany.
Agent: **Treloar Roses Pty Ltd,** Portland, VIC.

'Koranderer' syn **Our Copper Queen**
Application No: 97/201 Accepted: 15 Sep 1997.
Applicant: **Wilhelm Kordes,** Klein Offenseth-Sparrieshoop, Germany.
Agent: **Treloar Roses Pty Ltd,** Portland, VIC.

'Kormurena' syn **Magic Silver**
Application No: 97/202 Accepted: 15 Sep 1997.
Applicant: **Wilhelm Kordes,** Klein Offenseth-Sparrieshoop, Germany.
Agent: **Treloar Roses Pty Ltd,** Portland, VIC.

'Korsulas' syn **Limona**
Application No: 97/203 Accepted: 15 Sep 1997.
Applicant: **Wilhelm Kordes,** Klein Offenseth-Sparrieshoop, Germany.
Agent: **Treloar Roses Pty Ltd,** Portland, VIC.

'Koromtar' syn **Cream Dream**
Application No: 97/204 Accepted: 15 Sep 1997.
Applicant: **Wilhelm Kordes,** Klein Offenseth-Sparrieshoop, Germany.
Agent: **Treloar Roses Pty Ltd,** Portland, VIC.

'Korruicil' syn **Our Esther**
Application No: 97/205 Accepted: 15 Sep 1997.
Applicant: **Wilhelm Kordes,** Klein Offenseth-Sparrieshoop, Germany.
Agent: **Treloar Roses Pty Ltd,** Portland, VIC.

'Korhoco' syn **Vital**
Application No: 97/206 Accepted: 15 Sep 1997.
Applicant: **Wilhelm Kordes,** Klein Offenseth-Sparrieshoop, Germany.
Agent: **Treloar Roses Pty Ltd,** Portland, VIC.

'Korgenoma' syn **Emely**
Application No: 97/207 Accepted: 15 Sep 1997.
Applicant: **Wilhelm Kordes,** Klein Offenseth-Sparrieshoop, Germany.
Agent: **Treloar Roses Pty Ltd,** Portland, VIC.

'Haryup'
Application No: 96/231 Accepted: 15 Sep 1997.
Applicant: **Harkness New Roses Ltd,** Herts, UK.
Agent: **S Brundrett & Sons Roses Pty Ltd,** Narre Warren North, VIC.

'Dicksingsong' syn **Patio Kaleidoscope**
Application No: 97/213 Accepted: 29 Sep 1997.
Applicant: **Collin Dickson,** Newtownards, N. Ireland, UK.
Agent: **Grandiflora Nurseries,** Cranbourne, VIC.

'Pretufo' syn **Charano**
Application No: 97/214 Accepted: 29 Sep 1997.
Applicant: **Prego Royalty B.V.,** Naaldwijk, Netherlands.
Agent: **Grandiflora Nurseries,** Cranbourne, VIC.

'SUNlida'
Application No: 97/215 Accepted: 29 Sep 1997.
Applicant: **Frank Bark Schuurman,** Whenuapia, New Zealand.
Agent: **Grandiflora Nurseries,** Cranbourne, VIC.

'Pretaner'
Application No: 97/216 Accepted: 29 Sep 1997.
Applicant: **Prego Royalty B.V.,** Naaldwijk, Netherlands.
Agent: **Grandiflora Nurseries,** Cranbourne, VIC.

'Nirpstrip' syn **Shiba**
Application No: 97/217 Accepted: 29 Sep 1997.
Applicant: **Lux Riviera s.r.l.,** Latte di Ventimiglia (IM), Italy.
Agent: **Grandiflora Nurseries,** Cranbourne, VIC.

'SUNscent' syn **Scentasia**
Application No: 97/218 Accepted: 29 Sep 1997.
Applicant: **Frank Bark Schuurman,** Whenuapia, New Zealand.
Agent: **Grandiflora Nurseries,** Cranbourne, VIC.

'Dickstereo'
Application No: 97/219 Accepted: 29 Sep 1997.
Applicant: **Collin Dickson,** Newtownards, N. Ireland, UK.
Agent: **Grandiflora Nurseries,** Cranbourne, VIC.

ST JOHN'S WORT (TUTSAN)
Hypericum androsaemum

'Bosakin' syn **King Flair**
Application No: 97/227 Accepted: 26 Sep 1997.
Applicant: **H. & B.R. van den Bosch B.V.,** Rijnsburg, The Netherlands.
Agent: **Plant Growers Australia Pty Ltd,** Wonga Park, VIC.

'Bosaska' syn **Scarlet Flair**
Application No: 97/228 Accepted: 26 Sep 1997.
Applicant: **H. & B.R. van den Bosch B.V.,** Rijnsburg, The Netherlands.
Agent: **Plant Growers Australia Pty Ltd,** Wonga Park, VIC.

'Bosapin' syn **Pinky Flair**
Application No: 97/229 Accepted: 26 Sep 1997.
Applicant: **H. & B.R. van den Bosch B.V.,** Rijnsburg, The Netherlands.
Agent: **Plant Growers Australia Pty Ltd,** Wonga Park, VIC.

'Bosasdua' syn **Dual Flair**
Application No: 97/230 Accepted: 26 Sep 1997.
Applicant: **H. & B.R. van den Bosch B.V.,** Rijnsburg, The Netherlands.
Agent: **Plant Growers Australia Pty Ltd,** Wonga Park, VIC.

SWAZI GRASS
Digitaria didactyla

'PS 21'
Application No: 97/181 Accepted: 10 Sep 1997.
Applicant: **Department of Agriculture for and on behalf of the state of New South Wales,** Orange, NSW.

TOMATO
Lycopersicum esculentum

'Rollande'
Application No: 97/216 Accepted: 25 Sep 1997.
Applicant: **Rolland Lenoir,** Kambah, ACT.

TUSSOCK GRASS
Poa labillardieri

'Eskdale'
Application No: 97/169 Accepted: 7 Aug 1997.
Applicant: **Todd Layt,** Clarendon, NSW.

YELLOW SERRADELLA
Ornithopus compressus

'**Charano**' syn **87GEH56**
Application No: 97/176 Accepted: 1 Sep 1997.
Applicant: **Co-operative Research Centre for Legumes in Mediterranean Agriculture,** Nedlands, WA.

WALLFLOWER
Erysimum xbicolor

'Maur Joy'
Application No: 97/212 Accepted: 18 Sep 1997.
Applicant: **Joylene & Maurice Noble,** Gawler, VIC.
Agent: **Plant Growers Australia Pty Ltd,** Wonga Park, VIC.

WATERCRESS
Nasturtium hybrid

'Vicred'
Application No: 97/171 Accepted: 12 September 1997.
Applicant: **Francis D Crowe,** Epsom, VIC.

DESCRIPTIONS

Key to definitions/symbols/words used in the short descriptions

*	=	variety(s) used as comparator(s)
Agent	=	Australian agent acting on behalf of an applicant (usually where application is from overseas).
DUS	=	Distinctiveness, Uniformity and Stability
LSD	=	Least Significant Difference
LSD/sig	=	The numerical value for the LSD (at P0.01) is in the first column and the level of significance between the candidate and the relevant comparator in subsequent columns
ns	=	not significant
RHS	=	Royal Horticultural Society Colour Chart (Chip Number)
std deviation	=	Standard deviation of the sample
syn	=	synonym
UPOV	=	International Union for the Protection of New Plant Varieties
+	=	When used in conjunction with an RHS colour, '+' indicates a notional extension of a colour series when a precise match can not be made. It is most commonly used when the adjacent colour chip(s) are of a different sequence
#	=	Values followed by the same letter are not significantly different at P0.01
Origin	=	unless otherwise stated the female parent of the cross precedes the male parent
(b)	=	variety(s) for which PBR has been granted

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.

Description (Figure 11) Plant: stems short and very thick, foliage dense. Leaf: short, width narrow, blade shape narrow elliptic to narrow ovate, longitudinal axis recurved. Inflorescence: branches few and short, pedicel length very short. Flower: colour purple-pink, size medium, spread of tepals medium. Outer tepal: blade shape obovate, depth of emargination medium, main colour of inside red (ca. RHS 52A-54A) with a flush of purple, stripes on inside absent. Inner tepal: blade shape elliptic, main colour of inner side of middle zone of blade yellow (ca. RHS 13B) with a flush of pink-red, number of stripes on inside few to medium, size of stripes on inside small to medium. Stamens: main colour of filament pink to pink-red with a flush of orange, small spots on filament absent, colour of anthers at the start of dehiscence greenish. Pistil: anthocyanin colouration of ovary absent or very weak, spots on the stigma present.

Origin Controlled pollination: unnamed parents. Breeder: Koninklijke Van Zanten, Whilom, The Netherlands. Selection criteria: year-round production, small flowers, colour, high production, strong stems, flowers per stem, plant height. Propagation: vegetative by rhizomes.

Comparative Trial The description is based on test report of Dutch testing authority (Raad Voor het Kwekersrecht, Wageningen). The qualified person considers that 'Flamengo'(ϕ) is the closest comparator of common knowledge available in Australia.

Prior Applications and Sales

Country	Year	Status	Name Applied
Netherlands	1994	pending	'First Love'

Description: **NF Derera AM and TP Angus**, **ASAS Pty Ltd,** Winston Hills, NSW.

APPLE
Malus domestica

'Red Elstar'

Application No: 89/011 Accepted: 14 Feb 1989.
Applicant: **Stichting DLO-Centrum voor Planten-veredelings- en Reproduktieonderzoek (CPRO-DLO),** Wageningen, The Netherlands.
Agent: **Callinan Lawrie,** Kew, VIC.

Description (Table 1, Figure 32) Plant: spur bearing tree, vigour medium, habit spreading. Dormant one year old shoot: pubescence moderate on upper half, moderately thick, number of lenticels medium. Bud: size medium, tips pointed, slightly held out, medium sized supports. Dormant fruit bud: ovoid. Leaf: size medium, held upwards, upfolded to concave, margin crenate to serrate, upper side moderately glossy, lower side weakly pubescent; petioles long. Inflorescence: flowering late Sep in VIC. Bud: pink-deep rose. Flower: moderately cupped, size medium. Petal: touching, longer than broad. Sepal: red. Style: longer than stamens, fused away from base. Fruit: matures mid season, medium to large, flat, asymmetrical; calyx with weak crowning; eye medium to large, aperture half open, basin medium to deep, broad, V shaped cavity; sepal: medium length, free; stamens basal; stalk moderately thick to thick, length medium, broad and moderately deep to deep cavity with low to moderate russet; groundcolour yellow-green, overcolour red solid flush (75-90%), russet absent from eye basin and cheeks, surface bumpy, bloom absent, weak greasiness, lenticels size medium, ribbing present, not prominent; flesh white-yellow, moderately firm to firm, juicy, moderately sweet and acidic, low tendency to brown; locules aperture slightly open; coreline medium distinction, asymmetrical.

Origin Spontaneous mutation: unspecified. Breeder: LJE Michielsens, The Netherlands early 1980's. Selection criteria: better red colouring than 'Elstar', earlier maturity. Propagation: by budding through several generations.

Comparative Trial Comparators: The QP considers 'Elstar' and 'Fiesta' to be the most similar varieties of common knowledge. Location: Fleming's Nurseries, Monbulk, VIC 1992 - Feb 1997. Conditions: all trees were planted in the same soil with similar irrigation, fertiliser, pest control and pruning regimes Trial design: none. Measurements: from 10-15 random samples from 4 specimen trees of 'Red Elstar' and 1-2 trees of its two comparators. Data on 'Red Elstar' has also been taken from test results presented from the National Fruit Trials in Australia 1985.

Prior Applications and Sales

Country	Year	Status	Name Applied
Netherlands	1986	granted	'Red Elstar'
Germany	1987	pending	'Red Elstar'
France	1988	pending	'Red Elstar'
U.K.	1988	pending	'Red Elstar'
Belgium	1988	pending	'Red Elstar'
Czechoslovakia	1987	pending	'Red Elstar'
Italy	1988	pending	'Red Elstar'

First sold The Netherlands, 1987, Australia 1994

Description: **Graham Fleming, Fleming's Nurseries Pty. Ltd.,** Monbulk, VIC.

Table 1 *Malus* varieties

	'Red Elstar'	*'Elstar'	*'Fiesta'
TREE			
habit	spreading	upright	upright-spreading
vigour	medium	strong	medium
WOOD BUD			
size	medium	small	very small
position relative to axis	slightly held out	adpressed	adpressed
support size	medium	medium	small
LEAF BLADE			
incisions of margin	crenate-serrate	serrate	serrate
LEAF BLADE WIDTH (cm)			
mean	4.76	4.11	5.11
std deviation	0.49	0.63	0.63
LSD/sig	0.65	P≤0.01	ns
FLOWERING TIME	last week Sep	first week Oct	first week Oct
FRUIT DIAMETER (mm)			
mean	73.4	75.93	80.13
std deviation	4.33	3.63	3.00
LSD/sig	3.14	ns	P≤0.01
FRUIT			
size	medium-large	medium	large
prominence of ribbing	not prominent	present	present
aperture of eye	half-open	closed	closed
size of eye	medium-large	medium	medium
spacing of sepals	free	overlapping	touching
depth of eye basin	medium-deep	deep	shallow
thickness of stalk	medium-thick	thick	thick
depth of stalk cavity	medium-deep	medium	deep
relief of surface	bumpy	smooth	smooth
greasiness of skin	weakly present	present	absent

symmetry in profile			
	asymmetrical	asymmetrical	asymmetrical
skin ground colour			
	yellow-green	yellow-green	yellow-green
RHS	150C	150C	145B
skin over colour			
	red	red	red - greyed red
RHS	45B	45C	46A-181A
percent area	75 - 90%	50%	70%
pattern of blush			
	solid flush	streak	streak
russet - around eye basin			
	low	low	absent
around stalk cavity			
	medium-high	medium-high	medium
size of lenticels			
	medium	medium	small
firmness of flesh			
	medium-firm	firm	firm
aperture of locules			
	slightly open	open	open
maturity date	mid season	mid season	early
for picking	-20 days from 'Red Delicious'	-16 days from 'Red Delicious'	-28 days from 'Red Delicious'
juiciness	juicy	moderate	moderate
coreline distinction			
	medium	weak-medium	weak

AZALEA
Rhododendron simsii

'Aquarell'

Application No: 96/048 Accepted: 29 Mar 1996.
Applicant: **Marlies und Hanno Baetche von Gartnerei,** Issum, Germany.
Agent: **John Slykerman,** Monbulk, VIC.

Description (Table 2, Figure 12) Plant: pot azalea, evergreen, growth habit: medium bushy. Leaf: young upper side medium to dark green, hairiness nil to very weak, glossy, anthocyanin colouration nil; mature upper surface dark green, lower surface medium green, length medium to long, width medium, shape obovate, apex mucronate, cross section straight to concave, glossiness weak. Terminal inflorescence: bud mainly elliptic, flower number medium (less than 5). Pedicel: colour light green, length medium. Flower: shape wide funnel, diameter large, fragrance nil to very weak; calyx present, lobes medium length; corolla double, petal number medium (12-20 petals); corolla lobe colour middle zone both surfaces white (near RHS 155D); margins both surfaces very high density small pink spots giving overall pink appearance (RHS 67B and RHS 68B), margin undulation medium to strong; throat markings: conspicuousness weak, spots touching each other, colour pale greenish yellow (near RHS 1C). Anther: yellow. Pistil: longer than stamen. Time of flowering: very early.

Origin Spontaneous mutation: 'Helmut Vogel'. Breeder: Marlies und Hanno Baetcke von Gartnerei**,** Issum, Germany. Selection criteria: very early flowering, distinctive and well defined pink marking along petal margins. Propagation: vegetatively through at least five generations.

Comparative Trial Comparator: 'Inga'. ('Sima' is the proper closest comparator but not of common knowledge in Australia) Location: Monbulk, VIC, winter 1996. Conditions: cuttings struck into 5cm pots in Jan 1995, transferred Nov 1995 to 120mm pots filled with pinebark-based potting mix containing slow release fertiliser and grown in a greenhouse without environmental control. Plants sprayed regularly and supplied nutrients to ensure good health. Trial design: randomised block to provide a minimum of 20 plants each of the variety and comparator. Measurements: minimum of 20 taken at random from all plants.

Prior Applications and Sales

Country	Year	Status	Name Applied
Germany	1991	applied	'Aquarell'

First sold Germany 1992

Description: **Dr Brian Hanger, Rosemary Ridge Pty Ltd,** Monbulk, VIC.

Table 2 *Rhododendron* varieties

	'Aquarell'	*'Inga'
GROWTH HABIT		
	medium bushy	broad bushy
MATURE LEAF LENGTH (mm)		
mean	51.9	41.1
std deviation	6.2	3.4
LSD/sig	4.1	P≤0.01
MATURE LEAF WIDTH ≤mm)		
mean	22.3	18.9
std. deviation	3.7	2.0
LSD/sig	2.5	P≤0.01
FLOWER DIAMETER (mm)		
mean	71.7	66.1
std. deviation	4.1	7.1
LSD/sig	4.4	P≤0.01
COROLLA LOBE colour -margin, upper side (RHS)	67B and 68B	near 155D
-middle, upper side (RHS)	near 155D	64D/66C
FLOWER THROAT conspicuousness of markings	weak	medium
type of markings	spots touching each other	blotches surrounded by spots
colour of markings (RHS)	near 1C	near 53A/60C
colour compared to middle of corolla lobe, upper surface	same	darker

'Beenak'

Application No. 95/305 Accepted: 1 Apr 1996.
Applicant: **LJ van der Meer BV,** Roelofarendsveen, Netherlands.
Agent: **John Slykerman,** Monbulk, VIC.

Description (Table 3, Figure 13) Plant: pot azalea, evergreen, growth habit medium bushy. Leaf: young colour medium green, bloom upper surface weak, anthocyanin colouration nil, glossy; mature length medium, width medium, shape slightly obovate, apex mucronate, cross section straight to concave, glossiness medium, colour upper surface dark green, lower surface medium green. Terminal inflorescence bud: shape mainly elliptic, flower number medium (up to 4). Pedicel: length medium, colour light green. Calyx: present, lobe length medium, development of a corolla type form nil to very weak. Flower: wide funnel-shape, diameter broad, fragrance nil to very weak; corolla: double, petal number medium (9-12); corolla lobe undulation of margin medium, colour red group, colour distribution fairly uniform across corolla, colour lobe margin both surfaces RHS 47B/C, colour lobe middle zone both surfaces RHS 47D/52B; throat marking: absent, throat colour same as upper surface middle zone of corolla lobe; anthers: rare, colour purple. Stigma: pale green; pistil: longer than stamen. Time of flowering: very early.

Origin Controlled pollination: 'Dogwood' x unknown. Breeder: LJ van der Meer, Roelofarendsveen, Netherlands. Selection criteria: very early flowering, flower colour. Propagation: vegetatively through at least five generations.

Comparative Trial Comparator: 'Janeke'. Location: Monbulk, VIC, Winter 1996. Conditions: cuttings struck into 5cm pots in Jan 1995, transferred Nov 1995 to 120mm pots filled with pinebark-based potting mix containing slow release fertiliser and grown in a greenhouse without environmental control; plants sprayed regularly and supplied nutrients to ensure good health. Trial design: randomised block to provide a minimum of 20 plants each of the variety and comparator. Measurements: minimum of 20 random samples taken from all plants.

Prior Applications and Sales Nil.

Description: **Dr Brian Hanger, Rosemary Ridge Pty Ltd,** Monbulk, VIC.

Table 3 *Rhododendron* varieties

	'Beenak'	***'Janeke'**
GROWTH HABIT		
	medium bushy	very narrow bushy
MATURE LEAF LENGTH (mm)		
mean	48.6	57.4
std deviation	4.3	6.0
LSD/sig	4.5	P≤0.01
MATURE LEAF WIDTH (mm)		
mean	22.8	28.1
std. deviation	2.9	3.9
LSD/sig	2.7	P≤0.01
FLOWER DIAMETER (mm)		
mean	76.7	64.1
std. deviation	5.1	5.8
LSD/sig	3.7	P≤0.01
PEDICEL LENGTH (mm)		
mean	10.3	14.3
std. deviation	1.5	2.4
LSD/sig	1.5	P≤0.01
COROLLA LOBE		
colour		
-margin, upper and lower side (RHS)	47B-47C	52B
-middle, upper and lower side (RHS)	47D/52B	52B
FLOWER THROAT		
conspicuousness of markings	absent	medium
type of markings	-	spots not touching each other
colour of markings (RHS)	-	near 47B
ANTHER COLOUR	purple	dark red

'Dyana'

Application No. 95/308 Accepted: 4 Apr 1996.
Applicant: **John Slykerman,** Monbulk, VIC.

Description (Table 4, Figure 14) Plant: pot azalea, evergreen, growth habit broad, bushy. Leaf: young colour upper side medium to dark green, anthocyanin colouration nil, bloom on upper surface very weak, glossy; mature length medium, width medium, upper surface medium to dark green lower surface light to medium green, shape slightly obovate, apex mucronate, cross section concave, glossiness weak. Terminal inflorescence: bud mainly elliptic, flower number few (mainly 2). Pedicel: length medium to long , colour strongly red sun side. Calyx: present, lobe tinged red at tips, length medium, development of a corolla type form nil to very weak. Flower: wide funnel-shape, diameter very broad, fragrance nil to very weak, colour delicate pale pink; corolla double, petal number medium(12-16); corolla lobe: undulation of margin medium, colour; margin both surfaces near RHS 66C-66D, middle both surfaces near RHS 55A-55B; throat markings: conspicuousness of marks medium, predominantly as spots not touching, colour pink (RHS 63A); throat colour stronger (near RHS 53B-53C) than lobe upper surface middle; anther red; stigma green; pistil longer than stamen. Time of flowering: very early.

Origin Spontaneous mutation or sport: 'Luci'. Breeder: John Slykerman, Monbulk, VIC. Selection criteria: very early flowering, large attractive delicate pink flowers. Propagation: vegetatively through at least five generations.

Comparative Trial Comparator: 'Luci'. Location: Monbulk, VIC, winter 1996. Conditions: cuttings struck into 5cm pots in Jan 1995, transferred Nov 1995 to 120mm pots filled with pinebark-based potting mix containing slow release fertiliser and grown in a greenhouse without environmental control; plants sprayed regularly and supplied nutrients to ensure good health. Trial design: randomised block to provide a minimum of 20 plants each of the variety and comparator. Measurements: minimum of 20 taken at random from all plants.

Prior Applications and Sales Nil.

Description: **Dr Brian Hanger, Rosemary Ridge Pty Ltd,** Monbulk, VIC.

Table 4 *Rhododendron* varieties

	'Dyana'	***'Luci'**
FLOWER DIAMETER (mm)		
mean	83.6	79.5
std. deviation	3.5	5.7
LSD/sig	3.1	P(0.01
COROLLA LOBE		
colour		
-margin, upper side (RHS)		
	66C-66D	66D
-middle, upper side (RHS)		
	55A-55B	66D
FLOWER THROAT		
type of markings		
	spots mainly touching each other	spots mainly not touching each other

'Potpurri'

Application No. 95/307 Accepted: 1 Apr 1996.
Applicant: **L J van der Meer BV,** Roelofarendsveen, Netherlands.
Agent: **John Slykerman,** Monbulk, VIC.

Description (Table 5, Figure 15) Plant: pot azalea, evergreen, growth habit broad bushy. Leaf: young colour medium to dark green, bloom upper surface weak, anthocyanin colouration nil, glossy; mature: colour upper surface dark green, lower surface medium green, length medium, width medium, shape slightly obovate, apex mucronate, cross section slightly concave, gloss weak to medium. Terminal inflorescence: bud mainly elliptic, flower number few to medium (1-3). Pedicel: length medium (mean 9mm), colour light green. Calyx: present, calyx lobe; length medium (mean 7.3mm), development of a corolla form nil to very weak. Flower: wide funnel-shape, diameter medium to broad (mean 65mm), fragrance nil to very weak; corolla double, petal number medium (15-20); background colour very pale pink towards white (RHS 65D/69A), all lobes with numerous continuous or intermittent darker pink stripes (RHS 57D, 61C, 66C, 68B-68C), similar both surfaces. Stripes: approximately 50% of lobe area, radiate from base to lobe margins, width variable, intensity of colour variable; corolla lobe undulation of margin medium. throat markings: absent; anthers: absent; stigma: green. Time of flowering: very early.

Origin Spontaneous mutation or sport: 'Nordlicht'. Breeder: L J van der Meer, Roelofarendsveen, Netherlands. Selection criteria: very early flowering, flower colour and appearance. Propagation: vegetatively through at least five generations.

Comparative Trial Comparators: 'Helmut Vogel', 'Nicolette'. Location: Monbulk, VIC, winter 1996. Conditions: cuttings struck into 5cm pots in Jan 1995, transferred Nov 1995 to 120mm pots filled with pinebark-based potting mix containing slow release fertiliser and grown in a greenhouse without environmental control; plants sprayed regularly and supplied nutrients to ensure good health. Trial design: randomised block to provide a minimum of 20 plants each of the variety and comparator. Measurements: minimum of 20 random samples taken from all plants.

Prior Applications and Sales Nil.

Description: **Dr Brian Hanger, Rosemary Ridge Pty Ltd,** Monbulk, VIC.

Table 5 *Rhododendron* varieties

	'Potpurri'	***'Helmut Vogel'**	***'Nicolette'**
INFLORESCENCE - number of flowers			
	few to medium	medium	few to medium
COROLLA LOBE			
colour			
-margin, upper side (RHS)			
	65D/69A stripes 57D, 61C, 66C, 68B/68C	61C/63A	69A
-middle, upper side (RHS)			
	65D/69A stripes 57D 61C, 66C, 68B/68C	61C	66C/68B
FLOWER THROAT			
conspicuousness of markings			
	absent	absent to medium	medium
type of markings			
	absent	blotches surrounded by spots	blotches surrounded by spots
colour of markings (RHS)			
	-	near 60A	near 63A
STIGMA COLOUR			
	green yellow	creamy pale yellow	off white to

CENTROSEMA
Centrosema pubescens

'Cardillo' syn Q 252561/CPI 43197

Application No: 96/192 Accepted: 4 Sep 1996.
Applicant: **The State of Queensland through its Department of Primary Industries** and **CSIRO Tropical Agriculture,** Brisbane, QLD.

Description (Table 6, Figure 52) Plant: perennial stoloniferous/twining herbaceous, tropical legume. Leaf: elliptical/ovate, slightly hairy on lower surface. Flower: papilionaceous, cleistogamous, inflorescence 3-5 flowers in axillary racemes, 19 cm across standard, standard white except for a purple line behind wings, wings white. Persistent taproot and strong adventitious rooting from stolons.

Origin Selection: one of the 10 most promising out of 396 accessions of *Centrosema pubescens* grown in south-east QLD; Breeder: RJ Clements, CSIRO, Brisbane, QLD; further selected by D Cooksley, QLD, Department of Primary Industries to cull out flowers with purple standards. Selection criteria: better yield, persistence, winter greenness and adventitious rooting than common centro. Propagation: seed for several generations.

Comparative Trial Comparators: two different sources of "common" centro (there is no other cultivar of *C. pubescens*). Location: Samford, QLD, Dec 1995 - Jul 1997. Conditions: plants raised in peat pots and transplanted to weedmat at 3m spacing. Irrigation applied to prevent major moisture stress. Trial design: 30 plants of each line in 6 replicates, with 5 plants of each line per replicate. Measurements: taken from all plants May 1996 - Jul 1997.

Prior Application and Sales Nil.

Description: **RM Jones, CSIRO Tropical Agriculture,** Brisbane, QLD

Table 6 *Centrosema* varieties

	'Cardillo'	*Common-Source 1	*Common - Source 2
STOLON ROOTING (score 1-least, 5-highest)			
mean	5.9	1.5	1.2
std deviation	3.2	1.7	1.3
LSD/sig	3.6	P≤0.01	P≤0.01
YELLOWING OF TERMINAL RUNNERS (%)			
mean	0.7	87	82
std deviation	3.0	11	13
LSD/sig	7.5	P≤0.01	P≤0.01
LENGTH OF TERMINAL LEAFLET (cm)			
mean	45.5	52.3	52.6
std deviation	4.4	4.7	4.9
LSD/sig	3.8	P≤0.01	P≤0.01
FLOWERS WITH PURPLE COLOUR AT DISTAL END OF WINGS (%)			
mean	0	100	100
WIDTH OF STANDARD (cm)			
mean	18.8	27.5	27.3
std deviation	1.5	1.7	1.3
LSD/sig	1.9	P≤0.01	P≤0.01

COTTON
Gossypium hirsutum

'DeltaGEM'

Application No: 96/233 Accepted: 7 Nov 1996.
Applicant: **Deltapine Australia Pty Ltd,** Narrabri, NSW.

Description (Table 7, Figure 37) Plant: tall, medium maturing , shape cylindrical, foliage density medium. Leaf: palmate, size medium (129mm x 94mm), pubescence of leaf veins slight, gossypol and nectary glands present. Fruiting branches: above node 7, length medium. Flower: petals cream. Boll: size medium (43mm x 31mm), elliptic. Peduncle length medium (16mm); bract size medium (46mm x 22mm); boll opening medium, Fibre: lint turn-out high (37.6%), length medium (1.14in), strength medium(29.8 g/tex), uniformity index medium (82.1%), micronaire value medium (3.9). Bacterial blight resistant, verticillium and fusarium wilt tolerance moderate.

Origin Controlled pollination: 'DP 5690'ф x 'Siokra 14'. Breeder: Mr. Richard Leske, Deltapine Australia, Goondiwindi, QLD. Selection criteria: plant habit, bacterial blight resistance, yield and fibre quality.

Comparative Trial Comparators : 'DP 5690'ф, 'Siokra 14'. Location: "Mundine" Goondiwindi, QLD, 1996-1997. Conditions: fully irrigated, commercial herbicide and fertiliser rates applied, 9 insecticide applications. Trial Design: randomised block with 4 replicates. Measurements: morphological measurements from 25 plants per replicate. Lint percentage and fibre quality data from replicated trials in 1995/1996 and 1996/1997.

Prior Applications and Sales First sold Australia 1996.

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

Table 7 *Gossypium* varieties

	'DeltaGEM'	*'DP 5690'ф	*'Siokra 14'
PLANT HEIGHT (mm)			
mean	801.47	798.41	747.49
std deviation	113.17	77.36	81.96
LSD/sig	36.18	ns	P≤0.01
NUMBER OF VEGETATIVE NODES			
mean	7.31	6.39	7.20
std deviation	1.49	1.04	1.34
LSD/sig	0.56	P≤0.01	ns
LEAF WIDTH (mm)			
mean	129.45	136.39	153.57
std deviation	10.83	8.98	21.22
LSD/sig	6.25	P≤0.01	P≤0.01
LEAF LENGTH (mm)			
mean	94.20	101.57	131.65
std deviation	7.15	8.18	10.45
LSD/sig	3.59	P≤0.01	P≤0.01
LENGTH TO 1ST FRUITING POSITION (mm)			
mean	99.55	95.87	109.50
std deviation	19.70	24.49	18.52
LSD/sig	9.10	ns	P≤ 0.01

LENGTH FROM 1ST TO 2ND FRUITING POSITION (mm)			
mean	53.38	51.59	63.14
std deviation	18.44	23.98	22.14
LSD/sig	9.63	ns	P≤0.01
PEDUNCLE LENGTH (mm)			
mean	16.01	19.24	17.34
std deviation	0.47	0.40	0.40
LSD/sig	1.71	P≤0.01	ns
BOLL LENGTH (mm)			
mean	43.52	47.44	44.75
std deviation	3.50	2.89	2.90
LSD/sig	1.25	P≤0.01	ns
BRACT WIDTH (mm)			
mean	22.48	26.17	25.91
std deviation	3.96	4.99	3.20
LSD/sig	1.92	P≤0.01	P≤0.01
BRACT LENGTH (mm)			
mean	46.18	49.95	51.41
std deviation	4.65	3.94	5.41
LSD/sig	2.04	P≤0.01	P≤0.01
FIBRE STRENGTH (g/tex)			
mean	29.75	29.22	28.10
std deviation	1.29	1.17	1.47
LSD/sig	1.03	ns	P≤0.01

'DeltaPEARL'

Application No: 96/232 Accepted: 7 Nov 1996.
Applicant: **Deltapine Australia Pty. Ltd,** Narrabri, NSW.

Description (Table 8, Figure 36) Plant: tall, late maturing, shape conical, foliage density medium. Leaf: palmate, size medium (131mm x 98mm), pubescence of leaf veins moderate. Gossypol and nectary glands present. Fruiting branches: above node 6, internode length between 1st and 2nd fruiting positions long. Flower: petals cream. Boll: size medium (45mm x 32mm), elliptic; peduncle length medium (19mm), bract size medium (46mm x 23mm); boll opening strong. Fibre: lint turn-out high (38.2%), length medium (1.15in), strength medium (29.6), uniformity index medium (81.7%) micronaire value medium (4.0). Bacterial blight resistant, verticillium and fusarium wilt tolerance moderate.

Origin Controlled pollination: 'DP 5816' x 'Sicala 34'ϕ. Breeder: Mr. Richard Leske, Deltapine Australia, Goondiwindi, QLD. Selection criteria: plant habit, bacterial blight resistance, yield and fibre quality.

Comparative Trial Comparators : 'DP 5816', 'Sicala 34'ϕ. Location: "Mundine" Goondiwindi, QLD, 1996-1997. Conditions: fully irrigated, commercial herbicide and fertiliser rates applied, 9 insecticide applications. Trial Design: Randomised block with 4 replicates. Measurements: morphological measurements from 25 plants per replicate. Lint percentage and fibre quality data from replicated trials in 1995/1996 and 1996/1997.

Prior Applications and Sales First sold Australia 1996.

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

Table 8 *Gossypium* varieties

	'DeltaPEARL'	*'DP 5816'	*'Sicala 34'ϕ
PLANT HEIGHT (mm)			
mean	835.76	813.70	792.95
std deviation	90.56	76.90	68.59
LSD/sig	29.44	ns	P≤0.01
NUMBER OF VEGETATIVE NODES			
mean	6.66	6.27	7.37
std deviation	1.39	1.04	1.31
LSD/sig	0.47	ns	P≤0.01
LENGTH FROM 1ST TO 2ND FRUITING POSITION (mm)			
mean	65.76	51.45	56.89
std deviation	27.35	23.91	16.11
LSD/sig	8.42	P≤0.01	P≤0.01
PEDUNCLE LENGTH (mm)			
mean	19.18	18.69	20.73
std deviation	4.42	3.84	4.27
LSD/sig	1.49	ns	P≤0.01
BOLL WIDTH (mm)			
mean	32.40	32.43	30.15
std deviation	1.99	2.00	1.93
LSD/sig	0.68	ns	P≤0.01
BOLL LENGTH (mm)			
mean	44.89	45.52	46.91
std deviation	2.33	2.55	2.75
LSD/sig	0.93	ns	P≤0.01
BRACT WIDTH (mm)			
mean	23.10	27.54	22.59
std deviation	4.21	4.21	3.88
LSD/sig	1.67	P≤0.01	ns
BRACT LENGTH (mm)			
mean	46.06	50.05	47.62
std deviation	5.10	4.59	4.51
LSD/sig	1.76	P≤0.01	ns
LINT PERCENTAGE (%)			
mean	38.22	38.32	36.48
std deviation	1.38	1.51	1.64
LSD/sig	1.00	ns	P≤0.01
FIBRE STRENGTH (g/tex)			
mean	29.58	28.22	29.18
std deviation	1.46	1.81	1.00
LSD/sig	1.03	P≤0.01	ns
FIBRE UNIFORMITY INDEX (%)			
mean	81.67	82.96	82.46
std deviation	1.17	1.34	0.97
LSD/sig	0.91	P≤0.01	ns

'Sicala V-2*i*'

Application No: 96/154 Accepted: 6 Aug 1996.
Applicant: **CSIRO Division of Plant Industry, Cotton Research Unit,** Narrabri, NSW.

Description (Table 9, Figure 42): Plant: height medium, maturity medium (175 days to mature). Leaf: palmate; pubescence of midrib very slight; gossypol and nectary glands present. Flower: petals cream. Boll: size large,

elliptical; bract size large (48mm x 37mm). Seed: size medium. Lint: proportion high (0.41); fibre length medium (1.16 in), strength medium (30g/tex), micronaire value medium (3.7). Bacterial blight resistant; verticillium wilt tolerance high.

Origin: Controlled pollination: '93420' x 'Sicala V-2'ф (the fourth backcross of 'Sicala V-2'ф onto 'Coker 312' containing the Monsanto Cry IA(c) Bt gene and its controlling sequences (Australian Patent Number 638438) derived from *Bacillus thuringiensis* var *kurstaki*). Breeder: Mr PE Reid, CSIRO, Narrabri, NSW. Selection criteria: presence of Bt gene, plant habit, resistance to bacterial blight, leaf hairiness, fibre quality and yield.

Comparative Trial: Comparator: 'Sicala V-2'ф. Location: Australian Cotton Research Institute, Narrabri, NSW 1995-1996 and 1996-1997. Trial design: randomised complete block with three replications. Measurements: morphological measurements on 10 plants from each plot; lint percentage and fibre quality data from six trials in 1995-1996.

Prior Application and Sales: Nil

Description: **Peter Reid, CSIRO Division of Plant Industry, Cotton Research Unit,** Narrabri, NSW.

Table 9 *Gossypium* varieties

	'Sicala V-2*i*'	*** 'Sicala V-2'ф**
BT PROTEIN†	present	absent

† The presence of the Bt protein was detected using an ELISA test and confirmed by the toxicity of leaves to *Helicoverpa armigera* larvae.

'Sicot 50*i*'

Application No: 96/150 Accepted: 6 Aug 1996.
Applicant: **CSIRO Division of Plant Industry, Cotton Research Unit,** Narrabri, NSW.

Description (Table 10, Figure 38): Plant: tall, maturity medium (175 days to mature). Leaf: palmate; pubescence of midrib very slight; gossypol and nectary glands present. Flower: petals cream. Boll: size small, elliptical; bract size small (45mm x 28mm). Seed: small. Lint: proportion high (0.41); fibre length medium (1.18 in); strength medium (28 g/tex); micronaire value medium (3.8). Bacterial blight resistant; verticillium wilt tolerance low.

Origin: Controlled pollination: '93405' x 'CS 50'ф (the fourth backcross of 'CS 50' onto 'Coker 312' containing the Monsanto Cry IA(c) Bt gene and its controlling sequences (Australian Patent Number 638438) derived from *Bacillus thuringiensis* var *kurstaki*). Breeder: Dr GA Constable, CSIRO, Narrabri, NSW. Selection criteria: presence of Bt gene, plant habit, resistance to bacterial blight, leaf hairiness, fibre quality and yield.

Comparative Trials: Comparator: 'CS 50'ф. Location: Australian Cotton Research Institute, Narrabri, NSW 1995-1996 and 1996-1997. Trial design: randomised complete block with three replications. Measurements: morphological measurements on 10 plants from each plot; lint percentage and fibre quality data from six trials in 1995-1996.

Prior Application and Sales: Nil

Description: **Greg Constable, CSIRO Division of Plant Industry, Cotton Research Unit,** Narrabri, NSW.

Table 10 *Gossypium* varieties

	'Sicot 50*i*'	*** 'CS 50'ф**
Bt PROTEIN†	present	absent

† The presence of the Bt protein was detected using an ELISA test and confirmed by the toxicity of leaves to *Helicoverpa armigera* larvae.

'Sicot S-8*i*'

Application No: 96/152 Accepted: 6 Aug 1996.
Applicant: **CSIRO Division of Plant Industry, Cotton Research Unit,** Narrabri, NSW.

Description (Table 11, Figure 40): Plant: tall, maturity early (170 days to mature). Leaf: palmate; pubescence of midrib very slight; gossypol and nectary glands present. Flower: petals cream. Boll: size medium, elliptical; bract size medium (48mm x 32mm). Seed: small. Lint: proportion high (0.40); length medium (1.16in); strength medium (29g/tex); micronaire value medium (3.9). Bacterial blight resistant; verticillium wilt tolerance good.

Origin: Controlled pollination: '93411' x 'CS 8S'ф (the fourth backcross of 'CS 8S'ф onto 'Coker 312' containing the Monsanto Cry IA(c) Bt gene and its controlling sequences (Australian Patent Number 638438) derived from *Bacillus thuringiensis* var *kurstaki*). Breeder: Mr PE Reid, CSIRO, Narrabri, NSW. Selection criteria: presence of Bt gene, plant habit, resistance to bacterial blight, leaf hairiness, fibre quality and yield.

Comparative Trials: Comparator: 'CS 8S'ф. Location: Australian Cotton Research Institute, Narrabri, NSW 1995-1996 and 1996-1997. Trial design: randomised complete block with three replications. Measurements: morphological measurements on 10 plants from each plot; lint percentage and fibre quality data from six trials in 1995-1996.

Prior Application and Sales: Nil

Description: **Peter Reid, CSIRO Division of Plant Industry, Cotton Research Unit,** Narrabri, NSW.

Table 11 *Gossypium* varieties

	'Sicot S-8*i*'	*** 'CS 8S'ф**
FIBRE LENGTH(ins)		
mean	1.158	1.123
std deviation	0.018	0.010
LSD/sig	0.0193	P≤0.01
Bt PROTEIN†	present	absent

† The presence of the Bt protein was detected using an ELISA test and confirmed by the toxicity of leaves to *Helicoverpa armigera* larvae.

'Siokra L-23*i*'

Application No: 96/151 Accepted: 6 Aug 1996
Applicant: **CSIRO Division of Plant Industry, Cotton Research Unit,** Narrabri, NSW.

Description (Table 12, Figure 39): Plant: tall, maturity medium-late (180 days to mature). Leaf: digitate; pubescence of midrib very slight; gossypol and nectary glands present. Flower: petals cream. Boll: size large, elliptical; bract size large (53mm x 32 mm). Seed: size medium. Lint: proportion high (0.40); fibre length medium (1.16 in), strength medium (29g/tex), micronaire value medium (3.8). Bacterial blight resistant; verticillium wilt tolerance low.

Origin: Controlled pollination: '93417' x 'Siokra L23'ф (the fourth backcross of 'Siokra L23'onto 'Coker 312' containing the Monsanto Cry IA(c) Bt gene and its controlling sequences (Australian Patent Number 638438) derived from *Bacillus thuringiensis* var *kurstaki*). Breeder: Dr GA Constable, CSIRO, Narrabri, NSW. Selection criteria: presence of Bt gene, plant habit, resistance to bacterial blight, leaf hairiness, okra leaf, fibre quality and yield.

Comparative Trials: Comparator: 'Siokra L23'. Location: Australian Cotton Research Institute, Narrabri, NSW 1995-1996 and 1996-1997 Trial design: randomised complete block with three replications. Measurements: morphological measurements on 10 plants from each plot; lint percentage and fibre quality data from six trials in 1995-1996.

Prior Application and Sales: Nil

Description**: Greg Constable, CSIRO Division of Plant Industry, Cotton Research Unit,** Narrabri, NSW.

Table 12 *Gossypium* varieties

	'Siokra L23*i*'	* 'Siokra L23'ф
Bt PROTEIN†	present	absent

† The presence of the Bt protein was detected using an ELISA test and confirmed by the toxicity of leaves to *Helicoverpa armigera* larvae.

'Siokra V-15*i*'

Application No: 96/153 Accepted: 6 Aug 1996.
Applicant: **CSIRO Division of Plant Industry, Cotton Research Unit,** Narrabri, NSW.

Description (Table 13, Figure 41): Plant: tall, maturity medium (175 days to mature). Leaf: digitate; pubescence of midrib very slight; gossypol and nectary glands present. Flower: petals cream. Boll: size large, elliptical; bract size large (48x31 mm). Seed: medium. Lint: proportion high (0.39); length medium (1.18 in); strength medium (29 g/tex); micronaire value medium (3.7). Bacterial blight resistant; verticillium wilt good tolerance.

Origin: Controlled pollination: '93420' x 'Siokra V-15'ф (the fourth backcross of 'Siokra V-15'ф 'Coker 312' containing the Monsanto Cry IA(c) Bt gene and its controlling sequences (Australian Patent Number 638438) derived from *Bacillus thuringiensis* var *kurstaki*). Breeder: Mr PE Reid, CSIRO, Narrabri, NSW. Selection criteria: presence of Bt gene, plant habit, resistance to bacterial blight, leaf hairiness, okra leaf, fibre quality and yield.

Comparative Trials: Comparator: 'Siokra V-15'ф. Location: Australian Cotton Research Institute, Narrabri, NSW 1995-1996 and 1996-1997 Trial design: randomised complete block with three replications. Measurements: morphological measurements on 10 plants from each plot; lint percentage and fibre quality data from six trials in 1995-1996.

Prior Application and Sales: Nil

Description: **Peter Reid, CSIRO Division of Plant Industry, Cotton Research Unit,** Narrabri, NSW.

Table 13 *Gossypium* varieties

	'Siokra V-15*i*'	* 'Siokra V-15'ф
Bt PROTEIN†	present	absent

† The presence of the Bt protein was detected using an ELISA test and confirmed by the toxicity of leaves to *Helicoverpa armigera* larvae.

CREEK LILLY PILLY
Syzygium australe

'Bush Christmas'

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

Description (Table 14, Figure 30) A shrubby small tree with small leaves and erect column-like growth.

Origin Seedling selection: common lilly-pilly, 1992. Breeder: Alex Hansa, Fairhill Native Plants, Yandina, QLD. Selection criteria: unusual column-like form. Propagation: from cuttings through 4 propagation cycles.

Comparative Trial Comparator: 'Blaze'ф. Location: Fairhill Native Plants, Yandina, QLD Feb 1995 - Mar 1997. Conditions: plants raised in a sand, pinebark, composted sawdust mix in 200mm pots. Trial design: 60 plants arranged in a randomised complete block. Measurements: on all plants.

Description: **David Hockings,** Maleny, QLD.

Table 14 *Syzygium* varieties

	'Bush Christmas'	*'Blaze'ф
PLANT LENGTH (mm)		
mean	433.0	312.0
std deviation	45.3	36.8
LSD/sig	37.0	P≤0.001

PLANT WIDTH (mm)		
mean	350.0	410.0
std deviation	29.3	40.6
LSD/sig	31.9	P≤0.001
LEAF LENGTH (mm)		
mean	24.6	28.5
std deviation	2.67	1.93
LSD/sig	2.10	P≤0.001
LEAF WIDTH (mm)		
mean	7.0	10.1
std deviation	1.05	0.88
LSD/sig	0.87	P≤0.001
PETIOLE LENGTH (mm)		
mean	3.6	5.0
std deviation	0.56	0.45
LSD/sig	0.459	P≤0.001

DOGWOOD
Cornus hybrid

'Rutcan'

Application No: 96/183 Accepted: 2 Sep 1996.
Applicant: **Rutgers University,** New Jersey, USA.
Agent: **Fleming's Nurseries Pty Ltd,** Monbulk, VIC.

Description (Figure 29) Tree: vigorous, vase shaped when young, maturing into a dense, upright habit. Trunk: size medium, smooth becomes shaggy as bark exfoliates with age. Branches: size medium, smooth, lenticels numerous, colour brown-grey. Leaf: size medium, dark green, elliptic, tip acuminate, base crenate and oblique. Inflorescence: size medium, pubescence light brown, inconspicuous flower buds borne in flower heads; number of true flowers per head is 25.9. Floral bracts large, green-white, upper surface RHS 157B, lower surface RHS 157C at peak floral display. Resistance: good field resistance to the *Discula destructiva* incitant of Dogwood anthracnose and a high resistance to common Dogwood borer *Synanthedon scitula*.

Origin Controlled pollination: unspecified x unspecified. Breeder: Elwin R Orton Jr, New Jersey, USA. Selection criteria: new F_1 interspecific hybrid of high ornamental value with good resistance to *Discula destructiva* and *Synanthedon scitula.* Propagation: budding on to *Cornus kousa* var chinensis rootstock through several generations.

Comparative Trial Description is based on US Patent number 7210 (3 Apr 1990). The qualified person considers that the closest varieties of most common knowledge available in Australia are 'Rutdan' and *Cornus florida*. 'Rutcan' differs from its comparators not only in floral bract form but also in average number of true flowers per flower head which is 25.9 for 'Rutcan', 40.5 for 'Rutdan' and 34.5 for *Cornus florida*.

Prior Applications and Sales

Country	Year	Status	Name Applied
USA	1990	granted	'Constellation'

First sold Japan 1995.

Description: **Zoee Maddox and Graham Fleming, Fleming's Nurseries Pty Ltd,** Monbulk, VIC.

'Rutdan' syn Celestial

Application No: 96/182 Accepted: 2 Sep 1996.
Applicant: **Rutgers University,** New Jersey, USA.
Agent: **Fleming's Nurseries Pty Ltd,** Monbulk, VIC.

Description (Figure 28) Tree: vigorous, upright dense tree. Trunk: size medium, smooth when young, becomes shaggy as bark exfoliates with maturity. Branches: size medium, smooth, have numerous lenticels if medium size. Leaf: size medium, dark green, elliptic, tip acuminate, base cuneate to slightly oblique, margin entire. Inflorescence: flowers small and inconspicuous, floral display by the large white sessile, rounded to obovate floral bracts. Fruit: highly sterile, some persistent flower heads develop into seedless fruits. Resistance: good field resistance to the *Discula destructiva* incitant of Dogwood anthracnose and a high resistance to common Dogwood borer *Synanthedon scitula*.

Origin Controlled pollination: unspecified x unspecified. Breeder: Elwin R Orton Jr, New Jersey, USA. Selection criteria: upright habit, rounded to obovate white floral bracts whose margins slightly overlap and good field resistance to *Discula destructiva* and *Synanthedon scitula.* Propagation: budding on to *Cornus kousa* var chinensis rootstock through several generations.

Comparative Trial Description based on US Patent. The qualified person considers that the most similar form of common knowledge available in Australia is *Cornus florida*. 'Rutdan' differs from its comparator not only in floral bract form but also in the mean number of true flowers per flower head which for 'Rutdan' is 40.5, *Cornus florida* 34.5, and *C. kousa* 49.

Prior Applications and Sales

Country	Year	Status	Name Applied
USA	1990	granted	'Celestial'

First sold Japan 1995.

Description: **Zoee Maddox and Graham Fleming, Fleming's Nurseries Pty Ltd,** Monbulk, VIC.

FRENCH BEAN
Phaseolus vulgaris

'Nelson' syn Simba

Application No: 94/220 Accepted: 21 Nov 1994.
Applicant: **Holland Select Research BV,** Andijk, Netherlands.
Agent: **Sunland Seeds Pty Ltd,** Coopernook, NSW.

Description (Table 15, Figure 34) Plant: dwarf, growth habit upright, determinant, time to maturity medium. Flower: white. Pod: dark green, length medium, cross section round. Tolerance to diseases: highly tolerant to rust *Uromyces appendiculatus* and resistant to halo blight *Pseudomonac phaseolicola.*

Origin Controlled pollination: 'Labrador' x non-commercial breeding line ('Monaco' x non-commercial breeding line which is developed using 'Labrador' x PI 150414) followed by single plant selections made through seven generations. The resultant 'HS 422' was subsequently

named 'Nelson'. Breeder: Holland Select Research BV, Andijk, Netherlands. Selection criteria: excellent processing quality, resistant to anthracnose (Lambda) and virus 1 (NLZ + NL4). Propagation: seed during commercial production.

Comparative Trial Comparators: 'Labrador', 'Matador'(Þ), 'Phoenix'(Þ), 'Bronco'(Þ). Location: Coopernook, NSW Oct - Nov 1995. Conditions: plants received irrigation of 25mm per week and 375 kg /ha of the fertiliser 'Incitec Fertica' (NPK 11.7%,4.9%-13.4%) at planting; no sprays or chemicals were used. Trial design: One thousand plants of each variety replicated four times. Measurements: taken from one hundred random specimens.

Prior Applications and Sales

Country	Year	Status	Name Applied
USA	1994	granted	'Nelson'

Description: **Raymond Smith,** Coopernook, NSW.

Table 15 *Phaseolus* varieties

	'Nelson'	* 'Labrador'	*'Phoenix'(Þ)	* 'Bronco'(Þ)	*'Matador'(Þ)
PLANT					
bush form	round	upright	upright	spreading	round to upright
BUSH HEIGHT (cm) - plot basis					
	58.0	63.0	63.0	54.0	60.0
LEAF					
greenness	medium	dark	dark	very dark	dark
rugosity	medium	medium	medium	medium	weak
TERMINAL LEAFLET					
size	medium	medium	large	medium to large	medium to large
shape	triangular to circular	triangular	triangular	triangular	triangular
DAYS TO FLOWERING - plot basis					
	41	42	41	42	42
POD					
position	scattered	high & scattered	high & scattered	low & scattered	scattered
colour (RHS)	137B-137C	144A	144B-144A	144B	144A
cross section	round circular	circular	round circular	round oval	circular
shape distal	acute	acute to truncate	acute to truncate	acute to truncate	acute to truncate
constriction (at dry bean stage)	slight	pronounced	absent	pronounced	medium
NUMBER OF PODS PER 100 PLANTS					
	1996	1761	1506	1939	1768
GREEN POD WEIGHT PER 100 PLANTS (kg)					
	11.0	9.0	8.4	9.6	9.5
POD CURVE RATING (1 = slight; 5 = severe)					
mean	1.94	2.23	2.54	1.65	1.86
std deviation	0.80	0.89	1.42	0.72	0.84
LSD/sig	0.40	ns	P≤0.01	ns	ns
SPUR LENGTH (mm)					
mean	13.99	10.83	10.01	10.97	8.99
std deviation	3.73	4.21	4.46	3.52	3.94
LSD/sig	1.39	P≤0.01	P≤0.01	P≤0.01	P≤0.01
SPUR CURVE (1 =slight, 5=severe)					
mean	1.83	1.75	3.15	2.79	1.86
std deviation	1.01	1.01	2.11	1.50	1.12
LSD/sig	0.56	ns	P≤0.01	P≤0.01	ns
SIEVE SIZE (mm)					
mean	9.45	9.67	9.22	8.77	8.61
std deviation	0.67	0.85	1.05	0.74	0.63
LSD/sig	0.30	ns	ns	P≤0.01	P≤0.01

SEEDS PER POD					
mean	5.43	5.82	5.31	6.37	6.52
std deviation	0.73	0.83	0.84	0.98	0.76
LSD/sig	0.29	P≤0.01	ns	P≤0.01	P≤0.01
SEED					
colour	white	white	white	white	white to cream
shape	weak kidney	very weak kidney	medium kidney	weak kidney	very weak kidney

GARDEN PEA
Pisum sativum

'Trounce'

Application No: 95/217 Accepted: 12 Sep 1995.
Applicant: **NZ Institute for Crop and Food Research Ltd**, Christchurch, New Zealand.
Agent: **AE Stratton, Crop & Food Research,** Albury, NSW.

Description (Table 16, Figure 35) Plant: height medium (43.1 cm); anthocyanin absent, maturity mid-season. Foliage: medium green. Leaf: conventional, usually six (mean 5.9) leaflets per leaf at first fertile node. Stipule: size normal, flecked/marbled. Flower: 1-2 flowers per inflorescence, white. Pod: 7.8 pods per plant, mean length 77.0 mm, mean width 13.3 mm; shape straight or weak concave curvature with blunt distal end; colour medium green; mean contents of 6.7 peas (ovules) per pod. Seed: mean weight 223 mg; surface weak-medium wrinkled; cotyledon colour green; starch grains compound. Disease reaction: resistant to powdery mildew (*Erysiphe pisi*) and fusarium wilt (*Fusarium oxysporum* f.sp. *pisi*) race 1; tolerant to pea top yellows virus; resistant (immune) to bean yellow mosaic virus.

Origin Field selection: 'Small Sieve Freezer'('SSF'), Devonport, TAS 1987. Breeders: David Goulden and Ralph Scott, Crop & Food Research, Lincoln, New Zealand. Selection criteria: resistance to powdery mildew. Propagation: single plant selection of seedline through four generations; purity and integrity of cultivar to be maintained by single plant selection.

Comparative Trial Comparators: 'Bounty', 'SSF'. Location: Lincoln, New Zealand, Oct 1994 - Feb 1995. Conditions: plants were field grown in Wakanui silt loam (on sand) in two-row precision-sown plots, in open beds; fertiliser, herbicide and irrigation usage following standard practice. Trial design: randomised complete block with three replicates. Measurements: 30 healthy specimens (10 specimen plants from each replicate) selected from 300 plants.

Prior Applications and Sales

Country	Year	Status	Name Applied
New Zealand	1990	granted	'Trounce'

First sold New Zealand 1992.

Description: **Ralph Scott, Crop & Food Research,** Lincoln, New Zealand.

Table 16 *Pisum* varieties

	'Trounce'	*'Bounty'	*'SSF'
NUMBER OF LEAFLETS AT FIRST FERTILE NODE			
mean	5.9	5.6	4.1
std deviation	0.340	0.712	0.249
LSD/sig	0.32	ns	P≤0.01
LENGTH OF FIRST POD AT FIRST FERTILE NODE (mm)			
mean	77.0	81.0	78.7
std deviation	3.445	4.756	3.636
LSD/sig	2.14	P≤0.01	ns
TOTAL NUMBER OF PODS PER PLANT			
mean	7.8	6.1	5.1
std deviation	1.194	1.590	1.056
LSD/sig	0.82	P≤0.01	P≤0.01
NUMBER OF SEEDS PER POD			
mean	6.7	6.0	5.9
std deviation	0.595	0.804	0.914
LSD/sig	0.63	P≤0.01	P≤0.01
NUMBER OF SEEDS PER PLANT			
mean	52.0	36.3	30.3
std deviation	8.503	10.140	6.911
LSD/sig	6.40	P≤0.01	P≤0.01
MEAN SEED WEIGHT (mg)			
mean	223	226	255
std deviation	18.766	17.571	16.830
LSD/sig	9.41	ns	P≤0.01
DEGREE OF SEED WRINKLING	weak-medium	medium-strong	medium-strong
POWDERY MILDEW REACTION	resistant	resistant	susceptible

HOMALOMENA
Homalomena

'Good as Gold'

Application No 95/199 Accepted: 15 Aug 1995.
Applicant: **Redlands Nursery Pty Ltd,** Redland Bay, QLD.

Description (Table 17, Figure 31) Plant: bushy, short (19.4cm), Leaf blade: length 12.3cm, width 8.3 cm, colour; yellow green (RHS 151C). Petiole: length 5.7cm, colour on new petioles pinkish (RHS 174C).

Origin Spontaneous mutation: 'Emerald Gem'. Breeder: Mr EJ Bunker, Redland Bay, QLD. Selection criteria: leaf colour and short growth habit.

Comparative Trial Comparator: 'Emerald Gem'. Location: Redlands Nursery Pty Ltd, Redland Bay, QLD. Conditions: single plants derived from tissue culture placed one per 140mm pot in Jan 1997 with 3kgm^3 'Nutricote Blue' slow release fertiliser and a sawdust, pinebark, peatmoss mix; pots placed in a greenhouse on top of benches, overhead irrigation and ambient temperatures. Trial design: two completely randomised blocks containing 15 replicates of each variety. Measurements: single measurements from ten replicates of each variety in each block. Distinguishing characters were recorded on each variety in May 1997.

Prior Applications and Sales Nil.

Description: **Dr Kerry Bunker, Redlands Nursery Pty Ltd**, Redland Bay, QLD.

Table 17 *Homalomena* varieties

	'Good as Gold'	*'Emerald Gem'
PLANT HEIGHT (cm)		
mean	19.4	25.4
std deviation	1.7	2.1
LSD/sig	1.48	P≤0.01
LEAF BLADE: COLOUR UPPER SURFACE		
	yellow green	dark yellow green
RHS	151C	147A
LEAF BLADE: LENGTH (cm)		
mean	12.3	13.9
std deviation	0.8	0.9
LSD/sig	0.6	P≤0.01
PETIOLE: COLOUR ON NEW LEAF		
	pinkish	brownish
RHS	174C	177B

IMPATIENS
Impatiens hybrid

'Ambience'
Application No: 94/172 Accepted: 2 Aug 1994 .
Applicant: **ForBio Plants Pty Ltd,** Somersby, NSW.

Description (Table 19, Figure 16) Plant: mounded habit, semi-tall 50 cm, width 32 cm, abundantly branching, continuously flowering over top of canopy. Stem: red purple (RHS 59A). Leaf: long, lanceolate, apex acuminate, base cuneate, adaxial surface grey purple (RHS 183B), petioles red purple (RHS 60A), variegation absent, entire, glabrous, margin finely ciliate. Inflorescence: 1-2 flowers per leaf axil. Flower: single, large diameter 50 mm, petal bi-coloured, length 4cm, spur yellow green; heart shaped; flower buds ellipsoidal, reddish purple. Pistil: reddish purple. Stamen: five, anther hood shaped, pollen cream.

Origin Controlled pollination: Mikkelsen seedling No. '90-670-3' x Mikkelsen seedling No.'90-658-1', 1990. Breeder: Lyndon B Drewlow, Ashtabula, Ohio, USA. Selection criteria: two-toned flower colour, contrasting green/red leaves, branching, mound-forming habit with flowers above canopy, early continuous flowering. Propagation: cuttings and micropropagation through many generations.

Comparative Trial Comparators: 'Tempest', 'Vulcain'. Location: ForBio Plants Pty Ltd, Somersby, NSW Mar 1997. Conditions: plants were raised in a standard exotic potting mixture in pots under glass. Trial design: plants arranged in completely randomised design. Measurements: taken from 10 specimens selected from 10 plants.

Prior Applications and Sales

Country	Year	Status	Name Applied
USA	1993	granted	'Ambience'

First sold USA, 1992

Description: **Ian Paananen, Paananen Consulting Pty Ltd,** Central Coast, NSW.

'Celebration Candy Pink'
Application No: 94/116 Accepted: 16 May 1994.
Applicant: **Ball Flora Plant**, Illinois, USA.
Agent: **AJ Newport and Son Pty Ltd,** Winmalee, NSW.

Description (Table 18, Figure 18) Plant: height short to medium, width medium. Leaf: length medium to long, width medium to broad, shape elliptical, upper side green, marking absent, lower side red, upperside texture smooth. Flower: single type, diameter medium to large, petal colour primary RHS 73D, secondary 73A-73B, eyezone absent.

Origin Controlled pollination: Linda Vista selections 'No. 417' x 'No. 598'. Breeder: Mario Guillen, Pan American Seed Co, Linda Vista, Costa Rica. Selection criteria: flower colour, spreading and compact habit, floriferous nature, large flowers, non-variegated foliage and flower presentation. Propagation: vegetatively propagated for commercial production.

Comparative Trial Comparator: 'Flambee'(ϕ). Location: AJ Newport & Son Pty Ltd, Winmalee, NSW Mar 1997-Aug 1997. Conditions: green house conditions; rooted cuttings potted into 150mm pots in commercial potting mix; plants watered as required, nutrients supplied two-three times per week; temperature maintained at ca 25ºC day/16ºC night. Trial design: 20 plants of each genotype spaced at 45cm intervals and arranged in a completely randomised design. Measurements: from each plant in the trial for all the characters recorded in late Jun.

Prior Applications and Sales

Country	Year	Status	Name Applied
USA	1991	granted	'Celebration Candy Pink'

First sold USA 1991, Australia 1994.

Description: **AJ Newport & Son Pty Ltd,** Winmalee, NSW.

Table 18 *Impatiens* varieties

	'Celebration Candy Pink'	*'Flambee'(b)
PLANT HEIGHT (cm)		
mean	41.2	48.0
std deviation	4.5	4.7
LSD/sig	3.6	P≤0.01
PLANT WIDTH (cm)		
mean	54.5	70.3
std deviation	6.3	9.4
LSD/sig	5.0	P≤0.01
LEAF BLADE		
shape	elliptical	ovate to elliptical
upperside -surface texture	smooth	rough
underside colour between veins	red	reddish green
LEAF LENGTH (cm) - including petiole		
mean	17.6	14.2
std deviation	2.1	1.4
LSD/sig	1.7	P≤0.01
LEAF LENGTH: WIDTH RATIO		
mean	3.7	2.8
std deviation	0.35	0.29
LSD/sig	0.28	P≤0.01
FLOWER		
petal colour upper -main colour	red purple	red purple
RHS	73D	62B-62C
upper-secondary colour	red purple	red
RHS	73A-73B	44B

'Shadow'

Application No:94/174 Accepted: 2 Aug 1994.
Applicant: **ForBio Plants Pty Ltd,** Somersby, NSW.

Description (Table 19, Figure 17) Plant: mounded habit, semi-tall 50cm, width 39cm, branching abundant, continuously flowering over top of canopy. Stem: grey purple (RHS 183B). Leaf: long, lanceolate, apex acuminate, base crenate, adaxial surface grey purple (RHS 183A), petioles grey purple (RHS 183B), variegation absent, finely serrate, glabrous, margin finely ciliate. Inflorescence: one flower per leaf axil. Flower: single, large, diameter 50+mm, standard petal largest, length 5cm, spur yellow green, heart shaped; flower buds ellipsoidal, reddish purple. Pistil: reddish purple. Stamen: five, anther hood shaped, pollen white.

Origin Controlled pollination: Mikkelsen seedling No. '90-746-1' x Mikkelsen seedling No. '90-254-2', 1990. Breeder: Lyndon B Drewlow, Ashtabula, Ohio, USA. Selection Criteria: large two-toned flower colour, contrasting dark leaves, branching, vigorous habit. Propagation: cuttings and micropropagation through many generations.

Comparative Trial Comparator: 'Celerio'. Location: ForBio Plants Pty Ltd, Somersby, NSW, Mar 1997. Conditions: Plants were raised in a standard exotic potting mixture in 140mm pots under glass. Trial design: plants arranged in completely randomised design. Measurements: taken from 10 specimens selected from 10 plants.

Prior Applications and Sales

Country	Year	Status	Name Applied
USA	1993	granted	'Shadow'

First sold USA, 1992.

Description: **Ian Paananen, Paananen Consulting Pty Ltd,** Central Coast, NSW.

'Tempest'

Application No: 94/173 Accepted: 2 Aug 1994 .
Applicant: **ForBio Plants Pty Ltd,** Somersby, NSW.

Description (Table 19, Figure 17) Plant: mounded habit, semi-tall 50cm, width 41cm, abundantly branching, continuously flowering over top of canopy. Stem: red purple (RHS 59A). Leaf: long, lanceolate, acuminate apex, cuneate base, adaxial surface red purple (RHS 59A-B), petioles red purple (RHS 59A-B), variegation present, finely serrate, glabrous with finely ciliate margin. Inflorescence: 1-2 flowers per leaf axil. Flower: single, large 50+ mm diameter, standard petal largest, bi-coloured petals, long (4cm), spur yellow green; petals heart shaped; flower buds ellipsoidal, reddish purple. Pistil: reddish purple. Stamen: five, hood shaped anther, pollen cream.

Origin Controlled pollination: Mikkelsen seedling No. '90-343-1' x Mikkelsen seedling No.'88-388-2', 1990. Breeder: Lyndon B Drewlow, Ashtabula, Ohio, USA. Selection criteria: two-toned flower colour, bi-coloured foliage, branching, mound-forming habit with flowers above canopy, early continuous flowering. Propagation: cuttings and micropropagation through many generations.

Comparative Trial Comparator: 'Vulcain'. Location: ForBio Plants Pty Ltd, Somersby, NSW, Mar, 1997. Conditions: plants were raised in a standard exotic potting mixture in pots under glass. Trial design: plants arranged in completely randomised design. Measurements: taken from 10 specimens selected from 10 plants.

Prior Applications and Sales

Country	Year	Status	Name Applied
USA	1993	granted	'Tempest'

First sold USA, 1992.

Description: **Ian Paananen, Paananen Consulting Pty Ltd,** Central Coast, NSW.

Table 19 *Impatiens* varieties

	'Shadow'	'Tempest'	'Ambience'	* 'Vulcain'	*'Celerio'
PLANT HEIGHT (mm) LSD (P≤0.01) = 32.9					
mean	212.5bcd	193.2cd	170.8d	227.0abc	260.1a
std deviation	26.9	26.7	23.2	33.5	38.9
LEAF/PETIOLE LENGTH (mm) LSD (P≤0.01) = 13.5					
mean	138.1a	143.8a	130.4ab	116.6bc	106c
std deviation	17.7	13.1	12.0	8.3	8.6
LEAF WIDTH (mm) LSD (P≤0.01) = 4.7					
mean	43.1a	40.1a	43.1a	38.5a	32.1
std deviation	5.9	5.2	5.9	2.7	2.7
LEAF					
variegation	absent	present & prominent	absent	present & less prominent	absent
colour	147A	147A with grey orange 165C	147A	147A with yellow 12B-12C	147A
PEDICEL COLOUR (RHS)	145A	145B	146D	154D	144B
FLOWER EYE ZONE DIAMETER (mm) LSD (P≤0.01) = 0.9					
mean	7.70a	7.69a	5.63bc	4.89c	6.20b
std deviation	0.9	1.4	0.5	0.3	0.4
FLOWER COLOUR (RHS) main petal (background)	74B	56A	62B-62C	62C	74C
second petal colour	53B-57A	43A	43A	45B	66A
reverse	53B-57A	43D-48C	43A	43C	66A
eye zone	58B	46A	71C-71D	45B	66A

mean values followed by the same letter are not significantly different at P≤0.01 according to S-N-K test.

LUCERNE
Medicago sativa

'Eureka'

Application No: 94/108 Accepted: 18 May 1994.
Applicant: **Minister for Primary Industries, SARDI,** Adelaide, SA.

Description (Table 20, Figure 48) Plant: growth habit moderately erect, cool season growth high (rating 7-8), fine leafy stems. Flower: colour violet, infrequently variegated bluish-violet (2%-3%). Pod: tightly coiled. Pest resistance: stem nematode (*Ditylenchus dipsaci*) resistant; blue green aphid resistance high.

Origin Controlled pollination: clones selected for disease and pest resistance, 1988. Breeder: Dr ID Kaehne, Adelaide, SA. Selection criteria: high regrowth vigour, disease resistance, yield and stand persistence at many irrigated and dryland field trial sites. Propagation: by seed through 2 generations.

Comparative Trial Comparators: 'Quadrella'(ф), 'Trifecta', 'Aurora'. Location: Northfield, SA, Aug 1994 - Dec 1996. Conditions: plants were raised in open beds spaced 40cm apart in rows 50cm apart. Trial design: 140 plants arranged in four randomised complete blocks. Measurements: taken from at least 100 random specimens. Stem nematode experiment: glasshouse Dec 1997 - Jan 1997, six pots/replicates per variety; 50 seeds per pot, inoculated with 100 nematodes per seed at sowing; after 40 days seedling survivors counted in inoculated and uninoculated check pots. Blue green aphid test: glass house at 23ºC with 4 reps conducted according to the methods described in *Standard Tests to Characterise Alfalfa cultivars* (3rd edition) published by North American Alfalfa Improvement conference.

Prior Applications and Sales First sold Australia 1995.

Description: **Eric Kobelt, SARDI,** Adelaide, SA.

Table 20 *Medicago* varieties

	'Eureka'	*'Aurora'	*'Quadrella'(ф)	*'Trifecta'
PLANT HABIT (scored 2/06/1995) (1 = prostrate, 9 = erect)				
mean	6.8	6.9	7.0	7.0
std deviation	0.76	0.67	0.62	0.65
LSD/sig	0.14	ns	P≤0.01	P≤0.01
FREQUENCY OF PLANTS				
semi-erect (plant habit score = 7)	59	62	63	63
semi prostrate - medium (plant habit score (6)	29	24.5	17	18

erect to very erect (plant habit score (8)				
	12	13.5	20	19
FLOWER COLOUR PERCENTAGE				
variegated (bluish-violet)				
	3.0	2.5	1.5	0.5
violet	97	97.5	98.5	99.5
PERCENT PLANTS STILL FLOWERING				
- (04/05/1995 - 60 days after foraging)				
mean	14.3	12.1	48.3	33.3
std deviation	6.10	1.43	8.77	10.7
LSD/sig	16.65	ns	P≤0.01	P≤0.01
STEM NEMATODE RESISTANCE (% seedling survivors)				
mean	36.8	20.4	28.4	27.5
std deviation	3.46	2.55	5.77	3.84
LSD/sig	5.84	P≤0.01	P≤0.01	P≤0.01
BLUE-GREEN APHID (*Acyrthosiphon kondoi*) RESISTANCE (%)				
mean	54.2	57.0	50.8	34.4
std deviation	4.12	7.73	3.01	12.04
LSD/sig	15.8	ns	ns	P≤0.01

'Jindera'

Application No: 94 / 107 Accepted: 18 May 1994.
Applicant: Minister for Primary Industries, SARDI, Adelaide, SA.

Description (Table 21, Figure 48) Plant: extremely winter-dormant lucerne with a very prostrate growth habit (<1% semi-prostrate). Crown: size mostly medium; some broad, creeping (~6%). Stem: thin, weak. Leaflet: very small. Flower: violet, rarely variegated. Pod: small. Seed: small.

Origin Recurrent selection: several cycles of selection 1987 - 1991, initially from wild growing introductions. Breeder: Eric Kobelt, SARDI, Adelaide, SA. Selection criteria: extreme prostrateness, weak stems, and spotted alfalfa aphid resistance. Propagation: by seed.

Comparative Trial Comparators: 'Prime', 'Teton'. Location: Northfield, Adelaide, SA Oct 1992 - Nov 1995. Conditions: plants were raised in open beds spaced 1m apart in two rows 75cm apart. Trial design: 136 plants arranged in four randomised complete blocks. Measurements: from at least 100 random specimens.

Prior Applications and Sales First sold Australia 1995.

Description: **Eric Kobelt, SARDI,** Adelaide, SA.

Table 21 *Medicago* varieties

	'Jindera'	***'Teton'**	***'Prime'**
COTYLEDON LENGTH(mm) - Sep 1993			
mean	9.1	11.0	12.4
std deviation	1.49	1.37	1.35
LSD/sig	1.40	P≤0.01	P≤0.01
PLANT HABIT - Aug 1993 (1= very erect, 9 = very prostrate)			
mean	8.9	5.9	3.0
std deviation	0.41	0.97	0.92
LSD/sig	0.25	P≤0.01	P≤0.01
PERCENT PLANTS PROSTRATE (scored 7,8,9)			
	99.3	29.5	0.0
PERCENT PLANTS INTERMEDIATE (scored 4,5,6)			
	0.7	70.5	24.6
PERCENT PLANTS ERECT (scored 1,2,3)			
	0.0	0.0	75.4
FALL DORMACY RATING (0 = very dormant , 9 = very active)			
	0	2	4
CROWN DIAMETER (cm) - May 1995			
mean	31	36	29
std deviation	12.7	9.51	5.85
LSD/sig	3.71	P≤0.01	ns
PLANT HEIGHT(cm) - 20/08/1993 (after 11 weeks winter growth)			
mean	1.6	5.6	25.6
std deviation	0.89	3.30	8.21
LSD/sig	3.13	P≤0.01	P≤0.01
PLANT HEIGHT(cm) - 28/09/1993			
mean	9.4	20.8	52.8
std deviation	6.98	9.40	11.2
LSD/sig	4.23	P≤0.01	P≤0.01
PLANT HEIGHT(cm) - 23/11/1993			
mean	17.5	33.5	64.7
std deviation	7.51	14.1	11.2
LSD/sig	7.03	P≤0.01	P≤0.01
PLANT HEIGHT (cm) - 06/09/1994			
mean	2.8	10.5	28.8
std deviation	1.68	5.62	9.54
LSD/sig	1.87	P≤0.01	P≤0.01
PLANT HEIGHT(cm) - at full flower 07/12/1994			
mean	20.2	38.4	65.0
std deviation	5.62	12.5	9.40
LSD/sig	4.82	P≤0.01	P≤0.01
STEM LENGTH (cm) - 24/08/1993 (after 11 weeks winter growth)			
mean	9.0	12.0	33.6
std deviation	5.97	7.20	8.30
LSD/sig	4.76	ns	P≤0.01
STEM LENGTH (cm) - at full flower 07/12/1994			
mean	80.6	65.3	76.1
std deviation	14.3	16.8	11.6
LSD/sig	8.13	P≤0.01	ns
LEAFLET LENGTH (mm) - 2/11/1994			
mean	14.6	19.5	25.8
std deviation	3.10	4.29	4.00
LSD/sig	1.78	P≤0.01	P≤0.01
LEAFLET WIDTH(mm) - 2/11/1994			
mean	7.29	11.1	12.1
std deviation	1.61	2.27	1.94
LSD/sig	1.07	P≤0.01	P≤0.01
FIRST FLOWERING	9/11/94	21/11/94	8/11/94
FLOWER COLOUR PERCENTAGE			
violet	99.3	57.0	97.0
variegated	0.7	35.0	3.0
yellow	0.0	8.0	0.0

POD LENGTH(mm) -3 pods measured per plant			
mean	3.6	4.1	4.6
std deviation	0.67	1.00	0.87
LSD/sig	0.66	ns	P≤0.01
POD DIAMETER(mm) - 3 pods measured per plant			
mean	3.7	5.8	5.1
std deviation	0.54	1.03	0.62
LSD/sig	0.26	P≤0.01	P≤0.01
POD COILS TIGHT(% plants) - pod opening ≤ (0.2x pod diameter)			
	98.5	13	91
SEED WEIGHT, 1000 (gms) - plot bulk, from seeds per pod)			
mean	1.4	2.5	2.8
std deviation	0.090	0.086	0.090
LSD/sig	0.23	P≤0.01	P≤0.01

MARGUERITE DAISY
Argyranthemum frutescens

'Sugar Button'

Application No: 96/186 Accepted: 2 Sep 1996 .
Applicant: **Protected Plant Promotions Pty Ltd**, Macquarie Fields, NSW and **The University of Sydney Plant Breeding Institute**, Cobbitty, NSW.
Agent: **The University of Sydney Plant Breeding Institute**, Cobbitty, NSW.

Description (Table 22, Figure 21) Plant: compact, height 21.5cm, diameter 35.4cm. Leaf: green, bipinnatisect, glabrous, serration medium, mature length 4.73cm, width 2.45cm; leaf colour adaxial RHS 137A, abaxial RHS 144C. Terminal flower peduncle length 4.78cm. Flower: anemone type, diameter 3.83cm; disk florets petalous, tubular, colour RHS 9A before fully opened; ray floret colour RHS 155C, tip shape dentate, longitudinal axis straight.

Origin Controlled pollination: Breeders reference No 'AB50052' x Breeders reference No 'AB5003', 1993. Breeder: Dr Thomas M Cunneen, University of Sydney Plant Breeding Institute, Cobbitty, NSW. Selection criteria: flower colour, flower type, compact growth habit. Propagation: vegetative through four generations. Commercial propagation: vegetative.

Comparative Trial Comparators: 'Sugar Lace', 'Sugar and Ice'(b). Location: University of Sydney Plant Breeding Institute, Cobbitty, NSW, Mar 1997 - Jul 1997. Conditions: plants grown unprotected in 17cm plastic pots containing potting mix consisting of peat, composted pine bark fines, sand, and slow release fertiliser; irrigated automatically overhead. Trial design: randomised plot. Measurements: samples taken from all plants in trial.

Prior Applications and Sales

Country	Year	Status	Name Applied
Japan	1997	pending	'Sugar Button'
New Zealand	1996	pending	'Sugar Button'

First sold Australia, 1996.

Description: **Dr. Thomas M Cunneen**, **University of Sydney Plant Breeding Institute,** Cobbitty, NSW.

Table 22 *Argyranthemum* varieties

	'Sugar Lace'	'Sugar Button'	* 'Sugar and Ice'(b)
PLANT HEIGHT (cm) LSD(P≤0.01)=1.68			
mean	15.24a	21.50c	18.76b
std deviation	1.88	2.87	1.66
PLANT DIAMETER (cm) LSD(P≤0.01)=3.95			
mean	29.12a	35.43b	39.00b
std deviation	6.53	3.63	3.13
LEAF			
colour -adaxial (RHS)	146A	137A	146A
- abaxial (RHS)	146B	144C	146C
serration	coarse	medium	medium
LEAF LENGTH (cm) LSD(P≤0.01)=0.51			
mean	5.38b	4.73a	6.41c
std deviation	0.73	0.55	0.69
LEAF WIDTH (cm) LSD(P≤0.01) = 0.35			
mean	2.31a	2.45a	2.95b
std deviation	0.50	0.36	0.48
TERMINAL FLOWER PEDUNCLE LENGTH (cm measured from the involucral bract to the base of the capitulum LSD(P≤0.01) = 1.05			
mean	3.42a	4.78b	5.45b
std deviation	1.56	1.17	1.38
FLOWER COLOUR (centre RHS before fully opened)	75C	9A	8A
FLOWER DIAMETER (cm) (P≤0.01)=0.21			
mean	3.93a	3.83a	4.85b
std deviation	0.22	0.32	0.25
RAY FLORET LENGTH (mm) LSD(P≤0.01) = 1.36			
mean	14.75a	14.65a	17.11b
std deviation	0.79	0.78	1.06
RAY FLORET WIDTH (mm) LSD(P≤0.01) = 0.58			
mean	5.63a	6.46b	6.61b
std deviation	0.43	0.33	0.36
RAY PETAL COLOUR (RHS)	76D	155C	155C

'Sugar Lace'

Application No: 96/185 Accepted: 2 Sep 1996.
Applicant: **Protected Plant Promotions Pty Ltd**, Macquarie Fields, NSW and **The University of Sydney Plant Breeding Institute**, Cobbitty, NSW.
Agent: **The University of Sydney Plant Breeding Institute**, Cobbitty, NSW.

Description (Table 22, Figure 20) Plant: compact, height 15.24cm, diameter 29.12cm. Leaf: green, bipinnatisect, glabrous, serration coarse, mature length 5.37cm, width 2.31cm; colour adaxial RHS 146A, abaxial RHS 146B. Terminal flower peduncle length 3.42cm.Flower: anemone

type, diameter 3.93cm; disk florets petalous, tubular, colour RHS 75C before fully opened; ray florets colour RHS 76D, tip shape dentate, longitudinal axis straight.

Origin Controlled pollination: Breeders reference No 'X93040' x Breeders reference No 'X931625.1', 1994. Breeder: Dr. Thomas M Cunneen, University of Sydney Plant Breeding Institute, Cobbitty, NSW. Selection criteria: flower colour, flower type, compact growth habit. Propagation: vegetative through four generations. Commercial propagation: vegetative.

Comparative Trial Comparator: 'Sugar and Ice'Φ. Location: University of Sydney Plant Breeding Institute, Cobbitty, NSW, Mar 1997 - Jul 1997. Conditions: plants grown unprotected in 17cm plastic pots containing potting mix consisting of peat, composted pine bark fines, sand, and slow release fertiliser; irrigated automatically overhead. Trial design: randomised plot. Measurements: samples taken from all plants in trial.

Prior Applications and Sales

Country	Year	Status	Name Applied
Japan	1997	pending	'Sugar Lace'
New Zealand	1996	pending	'Sugar Lace'

First sold Australia, 1996.

Description: **Dr Thomas M Cunneen**, **University of Sydney Plant Breeding Institute,** Cobbitty, NSW.

'Summer Eyes'

Application No: 96/184 Accepted: 2 Sep 1996 .
Applicant: **Protected Plant Promotions Pty Ltd**, Macquarie Fields, NSW and **The University of Sydney Plant Breeding Institute**, Cobbitty, NSW.
Agent: **The University of Sydney Plant Breeding Institute**, Cobbitty, NSW.

Description (Table 23, Figure 19) Plant: compact, height 20.1cm, diameter, 40.4cm. Stem: anthocyanin flecking present. Leaf: green, bipinnatisect, glabrous, serration coarse, length 4.27cm, width, 1.96cm; colour adaxial RHS 137A, abaxial RHS 137C. Terminal flower peduncle length 5.1cm. Flower: semi-anemone type, diameter 4.39cm; disk florets petalous, tubular, colour RHS 63A flecked with RHS 14B before fully opened; ray florets colour RHS 155D, tip shape dentate, longitudinal axis straight.

Origin Controlled pollination: Breeder reference No 'X92667.1' x Breeder reference No 'X92703.1', 1993. Breeder: Dr Thomas M Cunneen, University of Sydney Plant Breeding Institute, Cobbitty, NSW. Selection criteria: flower colour. Propagation: vegetative through four generations. Commercial propagation: vegetative.

Comparative Trial Comparator: 'Fuji Sunset'. Location: University of Sydney Plant Breeding Institute, Cobbitty, NSW, Mar 1997 - Jul 1997. Conditions: plants grown unprotected in 17cm plastic pots containing potting mix consisting of peat, composted pine bark fines, sand, and slow release fertiliser; irrigated automatically overhead. Trial design: randomised plot. Measurements: samples taken from all plants in trial.

Prior Applications and Sales

Country	Year	Status	Name Applied
New Zealand	1996	pending	'Summer Eyes'

First sold Australia, 1996.

Description: **Dr. Thomas M Cunneen**, **University of Sydney Plant Breeding Institute,** Cobbitty, NSW.

Table 23 *Argyranthemum* varieties

	'Summer Eyes'	* 'Fuji Sunset'
PLANT HEIGHT (cm)		
mean	20.07	27.03
std deviation	2.23	2.36
LSD/sig	1.64	P≤0.01
PLANT DIAMETER (cm)		
mean	40.40	39.97
std deviation	4.91	3.98
LSD/sig	3.20	ns
STEM ANTHOCYANIN	present	absent
LEAF		
colour -adaxial (RHS)	137A	138A
-abaxial	137C	146B
serration	coarse	fine
LEAF LENGTH (cm)		
mean	4.27	9.75
std deviation	0.35	0.92
LSD/sig	0.50	P≤0.01
LEAF WIDTH (cm)		
mean	1.96	4.87
std deviation	0.31	0.73
LSD/sig	0.40	P≤0.01
TERMINAL FLOWER PEDUNCLE LENGTH (cm) measured from the involucral bract to the base of the capitulum		
mean	5.05	8.03
std deviation	1.11	2.20
LSD/sig	1.33	P≤0.01
FLOWER TYPE	semi-anemone	anemone
FLOWER COLOUR (centre RHS before fully opened)	63A with 14B	60B
FLOWER DIAMETER (cm)		
mean	4.39	6.75
std deviation	0.29	0.45
LSD/sig	0.35	P≤0.01
RAY FLORET LENGTH (mm)		
mean	15.79	26.19
std deviation	1.03	2.40
LSD/sig	2.68	P≤0.01

RAY FLORET WIDTH (mm)		
mean	4.68	8.17
std deviation	0.35	0.94
LSD/sig	1.03	P≤0.01

OSTEOSPERMUM
Osteospermum ecklonis

'Lusaka'

Application No: 97/053 Accepted: 20 Mar 1997.
Applicant: **CAK Sorenson,** Abyhot, Denmark.
Agent: **Redlands Nursery Pty Ltd,** Redland Bay. QLD.

Description (Table 24, Figure 27) Plant: habit upright, height medium. Flowering shoot: length long. Flower head: diameter 78mm, number of ray florets 22; disk diameter 10mm, colour dark blue (RHS 103A); ray floret colour upperside mid purple violet (RHS 78B), underside light purple violet (RHS 80C), length 34mm, width 8.6mm, involucre length 11mm.

Origin Controlled pollination: 'Pink Fantasy' x 'Zimba'. Breeder: Mr C Sorensen, Abyhot, Denmark. Selection criteria: flower colour. Propagation: vegetative through several generations.

Comparative Trial Comparators: 'Sunny Lady'. Location: Redlands Nursery Pty Ltd, Redland Bay, QLD Apr 1997 - Aug 1997. Conditions: plants propagated from cuttings and grown in 200mm containers, one plant per pot, full sun; overhead irrigation and standard practices applied as necessary. Trial design: completely randomised block of 30 replicates. Measurements: distinguishing characters are recorded on 10 random samples of each variety in Aug 1997.

Prior Applications and Sales Nil

Country	Year	Status	Name Applied
Denmark	1994	granted	'Lusaka'
Europe	1995	granted	'Lusaka'

First sold European Community, 1994.

Description: **Dr Kerry Bunker, Redlands Nursery Pty Ltd,** Redland Bay, QLD.

Table 24 *Osteospermum* varieties

	'Lusaka'	*'Sunny Lady'
PLANT		
growth habit	upright	spreading
height	medium	short
FLOWERING SHOOT LENGTH (mm)		
mean	198	140
std deviation	18.0	9.0
LSD/sig	16.7	P≤0.01
FLOWER HEAD DIAMETER (cm)		
mean	7.8	7.1
std deviation	4.0	5.0
LSD/sig	0.6	P≤0.01
DISC DIAMETER (mm)		
mean	10.0	12.0
std deviation	0.6	0.4
LSD/sig	0.6	P≤0.01
RAY FLORET COLOUR		
upper side	mid purple violet	dark purple violet
RHS	78B	80B
distribution	even	even
underside	light purple violet	dark purple violet
RHS	80C	79C

PEACH
Prunus persica

'Tribute' syn **2083.PJ**

Application No: 96/134 Accepted: 22 Jul 1996.
Applicant: **Domaine de Castang SA** & **Arsene Maillard,** Bergerac, France.
Agent: **Fleming's Nurseries and Associates Pty Ltd,** Monbulk, VIC.

Description (Table 25, Figure 33) Plant: small normal tree, vigour strong. Leaf: size medium, profile convex, base acute, small angle at the apex, anthocyanin colouration absent; petiole nectaries present in groups of two or less, shape round and kidney formed. Flowering shoot: deep red anthocyanin colouration, bud density medium. Flower: rosaceous appear late Aug lasting a week; petal five, large, rounded, pink; calyx orange; stigma same level with anthers which have pollen. Fruit: size medium, round to oblate, asymmetrical, tip depressed, suture weak, stalk cavity deep; skin ground colour yellow, over colour mottled deep maroon to red-brown, pubescence medium density; flesh firm, yellow-orange, anthocyanin colouration beneath the skin absent, in the flesh slightly present, around the stone definite. Stone: colour medium, size medium, round, adherence to the flesh weak, split stone absent.

Origin Open pollination: unspecified. Breeders: Arsene Maillard and Domain de Castang, SA, Bergerac, France. Selection criteria: differential ripening date to 'Elegant Lady, and its more brilliant orange-yellow ground colour. Propagation: asexual by budding onto peach rootstock through several generations.

Comparative Trial Comparators: 'Elegant Lady', 'Robin Neil'. Location: Fleming's Nurseries, Monbulk, VIC Jun 1993 - Feb 1997. Conditions: trees propagated by budding, planted into orchards with similar cultural practices. Trial design: three specimen trees of each variety. Measurements: 20 random samples for each of the varieties.

Prior Applications and Sales Nil.

Description: **Zoee Maddox and Graham Fleming, Fleming's Nurseries Pty Ltd,** Monbulk, VIC.

Table 25 *Prunus* varieties

	'Tribute'	*'Elegant Lady'	*'Robin Neil'
TREE			
size	small	medium	medium
habit	erect	erect-horizontal	erect
vigour	high	medium	high

LEAF			
angle at base	acute	right	right
nectary shape	round and kidney	kidney	kidney
LEAF WIDTH (cm)			
mean	3.14	4.35	4.51
std deviation	0.55	0.38	0.27
LSD/sig	0.37	P≤0.01	P≤0.01
LEAF LENGTH/WIDTH RATIO			
mean	5.04	4.06	3.93
std deviation	0.43	0.36	0.27
LSD/sig	0.32	P≤0.01	P≤0.01
PETIOLE LENGTH (mm)			
mean	0.84	1.30	1.36
std deviation	0.15	0.10	0.17
LSD/sig	0.13	P≤0.01	P≤0.01
FLOWERING SHOOT			
anthocyanin colouration	deep red	very red	red-brown
intensity	50%	70%	50%
bud density	medium	very low	medium
per 25cm shoot	5	2	5
blossom duration	1 week	2 weeks	1 week
form	showy	non-showy	non-showy
FLOWER			
petal size	large	small	small
petal colour at 100%	pink (RHS 62C)	red (RHS 65A)	red (RHS 58C)
petal position at margins	overlap	free	free
stigma in relation to anthers	level	above	level
FRUIT			
size	medium	very large	very large
shape	round to oblate	round	round
width of stalk cavity	30mm	35mm	32mm
skin ground colour	canary yellow	golden yellow	orange yellow
RHS	3A	23B	15C
skin overcolour	deep maroon to red brown	red brown	red brown
RHS	178B - 183B	178B	178A -178B
pattern of overcolour	mottled	solid	mottled
extent of overcolour	70%	80%	90%
pubescence density	medium	sparse to medium	medium
adherence of skin to flesh	medium	weak	weak
firmness of flesh	firm	medium	softish
ground colour of flesh (RHS)	yellow 16A	yellow orange 21C	yellow 16B
anthocyanin colouration of skin	slightly present	absent	absent
FRUIT DIAMETER (mm)			
mean	66.60	83.50	78.90
std deviation	4.50	1.84	2.08
LSD/sig	3.38	P≤0.01	P≤0.01
STONE			
shape	round	obovoid	obovoid
size compared to fruit	medium	large	small
colour	medium dark	light	light
stone adherence to flesh	present	present	absent
degree of adherence	weak	weak	-
percentage of split stones	absent	very low 1:20	very high 7:20

PETUNIA
Petunia

‘Revolution Bluevein’ syn Blue Highlights

Application No: 94 /155 Accepted: 11 Jul 1994.
Applicant: **Suntory Limited,** Osaka, Japan.
Agent: **ForBio Plants Pty Ltd,** Somersby, NSW.

Description (Table 26, Figure 22) Plant: decumbent, spreading, viscid, abundant branching, profuse blooming, perennial herb. Stem: pubescent, internode length medium. Leaf: size medium, olive-green to yellow-green, entire, elliptic-oval, apex acute, sessile, pubescence sparse. Pedicel: length medium. Epicalyx: oblong, apex obtuse. Flower: single, funnelform, attitude horizontal-slanting upwards, size medium. Petal: colour inside violet (RHS 85D) at mid bloom, violet (RHS 85D) at full bloom, veins violet (RHS 83A), throat violet (RHS 85A); colour outside: purple (RHS 79A-79C) at bud stage, violet (RHS 85D) at full bloom. Stamen: pollen grey-blue.

Origin Controlled pollination: ‘Cloud Blue’ x *Petunia* sp (Brazilian wild type),1989. Breeders: Ryuichi Tachibana, Yuji Tamura, Ushio Sakazaki, Yamanashi, Japan. Selection Criteria: bi-colour flower, petal colour, decumbent habit. Propagation: cuttings and micropropagation through many generations.

Comparative Trial Comparators: ‘Purple Victory’Φ, ‘Suncool’Φ. Location: Somersby, NSW Feb 1997 - Apr 1997. Conditions: plants were raised in a standard exotic potting mixture in 200 mm pots in open beds. Trial design: plants arranged in a completely randomised design. Measurements: taken from 10 specimens selected randomly from 10 plants.

Prior Applications and Sales

Country	Year	Status	Name Applied
Germany	1993	granted	‘Sunsolos’
Denmark	1993	granted	‘Sunsolos’
Italy	1993	granted	‘Sunsolos’
Netherlands	1993	granted	‘Sunsolos’
Sweden	1993	granted	‘Sunsolos’
Israel	1994	granted	‘Sunsolos’
Japan	1994	applied	‘Revolution Bluevein’
New Zealand	1994	granted	‘Sunsolos’
United States	1995	granted	‘Revolution Bluevein’
Switzerland	1993	applied	‘Sunsolos’

First sold Europe, 1994.

Description: **Ian Paananen, Paananen Consulting Pty Ltd,** Central Coast, NSW.

'Revolution Pastel Pink No. 2'

Application No: 96/236 Accepted: 23 Dec 1996.
Applicant: **Suntory Limited,** Osaka, Japan.
Agent: **ForBio Plants Pty Ltd,** Somersby, NSW.

Description (Table 26, Figure 22) Plant: decumbent, spreading, viscid, abundant branching, profuse blooming, perennial herb. Stem: pubescent, internodes length medium. Leaf: size medium, olive-green to yellow-green, entire, elliptic, apex acute, sessile, pubescence sparse. Pedicel: length short. Epicalyx: oblong-oblanceolate, apex obtuse. Flower: single, funnelform, attitude horizontal-slanting upwards, size large. Petal: colour inside red-purple (RHS 74B) at mid bloom, and full bloom, veins brown (RHS 200B); throat white (RHS 155A), colour outside: violet (RHS 85B) at bud stage, purple (RHS 74B) at full bloom. Stamen: pollen grey white.

Origin Spontaneous mutation: 'Revolution Purple Pink'Φ, 1993. Breeder: Ushio Sakazaki, Yamanashi, Japan. Selection criteria: vivid petal colour, decumbent habit, profuse flowering, pest and disease tolerance. Propagation: cuttings and micropropagation through many generations.

Comparative Trial Comparators: 'Revolution Purple Pink'Φ, 'Pink Mischief'Φ. Location: Somersby, NSW Feb 1997 - Apr 1997. Conditions: plants were raised in a standard exotic potting mixture in 200 mm pots in open beds. Trial design: plants arranged in a completely randomised design. Measurements: taken from 10 specimens selected randomly from 10 plants.

Prior Applications and Sales

Country	Year	Status	Name Applied
Japan	1993	granted	'Revolution Pastel Pink No.2'
Europe	1995	granted	'Sunpast'

First sold Japan, 1994.

Description: **Ian Paananen, Paananen Consulting Pty Ltd,** Central Coast, NSW.

'Revolution Pinkmini' syn Blushing Pink

Application No: 94 /157 Accepted: 11 Jul 1994.
Applicant: **Suntory Limited,** Osaka, Japan.
Agent: **ForBio Plants Pty Ltd,** Somersby, NSW.

Description (Table 26, Figure 22) Plant: decumbent, spreading, viscid, abundant branching, profuse blooming, perennial herb. Stem: pubescent, internode length medium. Leaf: size medium, olive-green to yellow-green, entire, elliptic-oval, apex acute, sessile, pubescence sparse. Pedicel: length medium. Epicalyx: linear-oblong, apex obtuse. Flower: single, funnelform, horizontal to slanting upwards, size medium. Petal: colour inside: red-purple (RHS 74A) at mid bloom, red-purple (RHS 74B) at full bloom, veins violet (RHS 83A), throat white (RHS 155A); colour outside: purple-violet (RHS 81A) at bud stage, red-purple (RHS 66C-66D) at full bloom. Stamen: pollen grey-blue.

Origin Controlled pollination: 'Cloud Pink' x *Petunia* sp (Brazilian wild type),1989. Breeders: Ryuichi Tachibana, Yuji Tamura, Ushio Sakazaki, Yamanashi, Japan. Selection criteria: vivid petal colour, decumbent habit, stem length, low plant height. Propagation: cuttings and micropropagation through many generations.

Comparative Trial Comparators: 'Revolution Purple Pink'Φ, 'Sunlace'Φ. Location: Somersby, NSW Feb 1997 - Apr 1997. Conditions: plants were raised in a standard exotic potting mixture in 200 mm pots in open beds. Trial design: plants arranged in a completely randomised design. Measurements: taken from 10 specimens selected randomly from 10 plants.

Prior Applications and Sales

Country	Year	Status	Name Applied
Germany	1993	granted	'Suntovan'
Italy	1993	granted	'Suntovan'
Netherlands	1993	granted	'Suntovan'
Sweden	1993	granted	'Suntovan'
Denmark	1994	granted	'Suntovan'
Israel	1994	granted	'Suntovan'
Japan	1994	granted	'Revolution Pinkmini'
New Zealand	1994	granted	'Suntovan'
United States	1995	granted	'Revolution Pinkmini'
Switzerland	1993	granted	'Suntovan'

First sold Europe,1994.

Description: **Ian Paananen, Paananen Consulting Pty Ltd,** Central Coast, NSW.

'Revolution Pinkvein' syn Pink Highlights

Application No: 94 /156 Accepted: 11 Jul 1994 .
Applicant: **Suntory Limited,** Osaka, Japan
Agent: **ForBio Plants Pty Ltd,** Somersby, NSW.

Description (Table 26, Figure 24) Plant: decumbent, spreading, viscid, abundant branching, profuse blooming, perennial herb. Stem: pubescent, internode length medium. Leaf: size medium, olive-green to yellow-green, entire, elliptic-oval, apex acute, sessile, pubescence sparse. Pedicel: length medium. Epicalyx: oblanceolate, apex obtuse. Flower: single, funnelform, attitude horizontal-slanting upwards, size medium. Petal: colour inside: purple (RHS 78C) at mid bloom, purple (RHS 76C) at full bloom, veins purple (RHS 79A), throat violet (RHS 83C); colour outside: purple (RHS 79A-79B) at bud stage, purple (RHS 76A) at full bloom. Stamen: pollen grey-blue colour.

Origin Controlled pollination: 'Pink Daddy' x *Petunia* sp (Brazilian wild type),1989. Breeders: Ryuichi Tachibana, Yuji Tamura, Ushio Sakazaki, Yamanashi, Japan. Selection criteria: bi-colour flower, petal colour, decumbent habit. Propagation: cuttings and micropropagation through many generations.

Comparative Trial Comparators: 'Palomar Rose'Φ, 'Suncocktail'Φ. Location: Somersby, NSW Feb 1997 - Apr 1997 . Conditions: plants were raised in a standard exotic potting mixture in 200 mm pots in open beds. Trial design: plants arranged in a completely randomised design. Measurements: taken from 10 specimens selected randomly from 10 plants.

Fig 1 **Rose – Plant parts of 'JACtou' syn Midas Touch**

Fig 2 **Rose – Plant parts of 'MACoranlem' syn Oranges and Lemons**

Fig 3 **Rose – Plant parts of 'JACnor' syn Signature**

Fig 4 **Rose – Plant parts of 'JACofl' syn Brass Band**

Fig 5 **Rose – Plant parts of 'WEKjoe' syn Lynn Anderson**

Fig 6 **Rose – Plant parts of 'Light Touch' (refer to pages 49-50 of PVJ 10(2) for description)**

Fig 7 Rose – Plant parts of 'Kormiller'

Fig 8 Rose – Plant parts of 'Korazerka'

Fig 9 Rose – Plant parts of 'Spekes'

Fig 10 Rose – Plant parts of 'Korplasina'

Fig 11 Alstroemeria – A flowering bush of 'First Love'

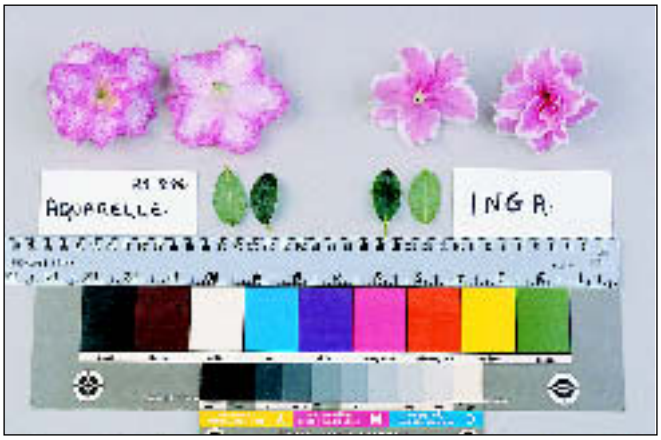

Fig 12 Azalea – Flower (upper and undersides), leaf (upper and undersides) of 'Aquarell' (right) and its comparator 'Inga' (left)

Fig 13 Azalea – Flower (upper and undersides), leaf (upper and undersides) of 'Beenak' (left) and its comparator 'Janeke' (right)

Fig 14 Azalea – Flower (upper and undersides), buds and leaf (upper and undersides) of 'Dyana' (left) and its comparator 'Luci' (right)

Fig 15 Azalea – Flower (upper and undersides) and leaf (upper and undersides) of 'Potpurri' (centre) and its comparators 'Helmut Vogel' and 'Nicolette' showing the range of flower colour variations in the candidate.

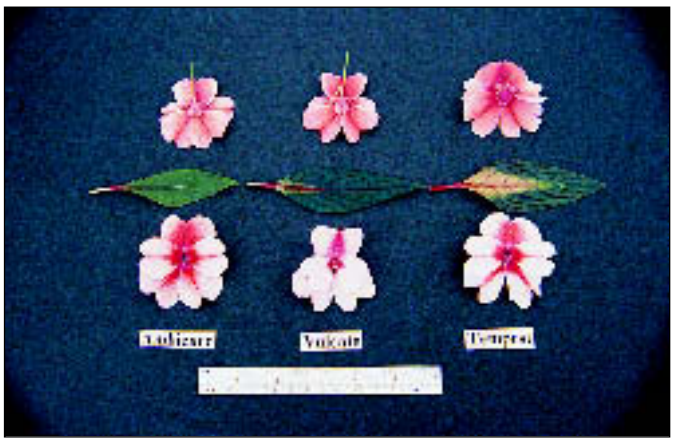

Fig 16 Impatiens – Flower underside (top row), upperside (bottom row) and leaf (middle row) of 'Ambience' (left) and 'Tempest' (right) and their comparator 'Vulcain' (centre)

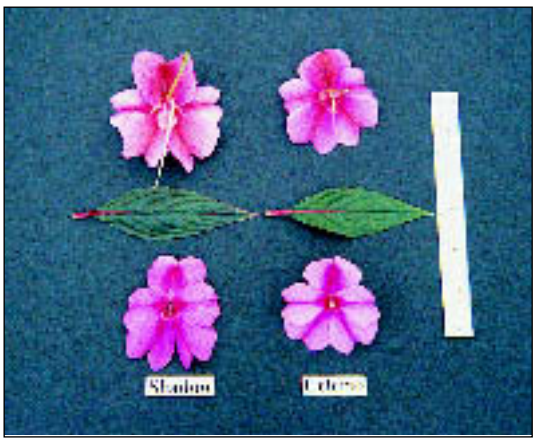

Fig 17 Impatiens – Flower underside (top row), upperside (bottom row) and leaf (middle row) of 'Shadow' (left) and its comparator 'Celerio' (right)

Fig 19 Marguerite Daisy – Flower head, flowering shoot and basal leaves of 'Summer Eyes' (left) and its comparator 'Fuji Sunset' (right)

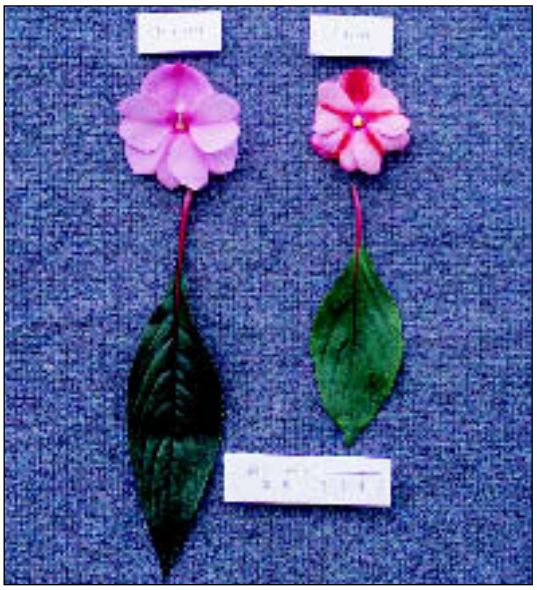

Fig 18 Impatiens – Flower (above) and leaf (below) of 'Celebration Candy Pink' (left) and its comparator 'Flambee'(ф) (right)

Fig 20 Marguerite Daisy – Flower head, flowering shoot and basal leaves of 'Sugar Lace'(left) and its comparator 'Sugar and Ice'(ф) (right)

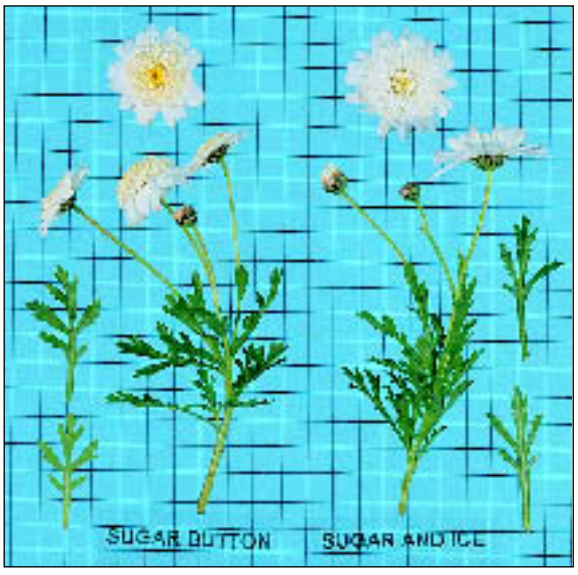

Fig 21 Marguerite Daisy – Flower head, flowering shoot and basal leaves of 'Sugar Button'(left) and its comparator 'Sugar and Ice'(ф) (right)

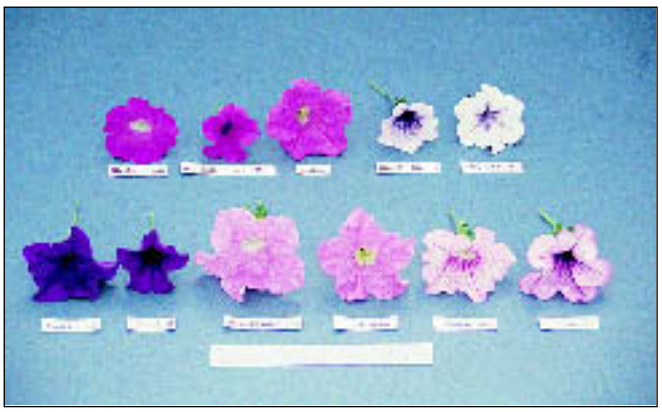

Fig 22 **Petunia – Flowers of 'Revolution Pinkmini' syn Blushing Pink (top, first from left); 'Revolution Bluevein' syn Blue highlights (top, fourth from left); 'Revolution Violet No. 2'(bottom, first from left); and 'Revolution Pastel Pink No. 2'(bottom, third from left) along with their respective comparators in their colour groups**

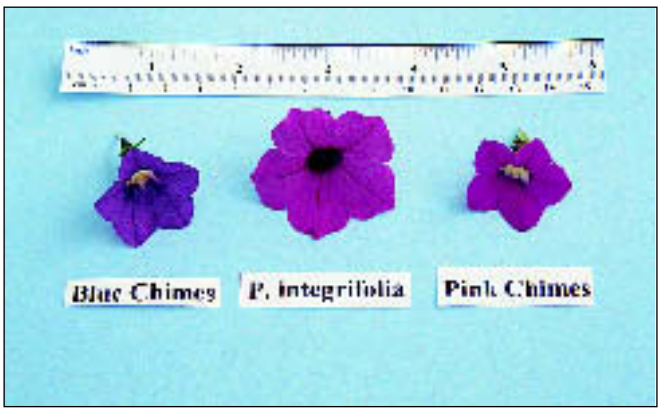

Fig 23 **Petunia – Flowers of 'Sanberubu' syn Blue Chimes (left) and 'Sanberupi' syn Pink Chimes (right) and their comparator *Petunia integrifolia* (centre)**

Fig 24 **Petunia – Flowers of 'Revolution Pinkvein' syn Pink Highlights showing deeper pink veins**

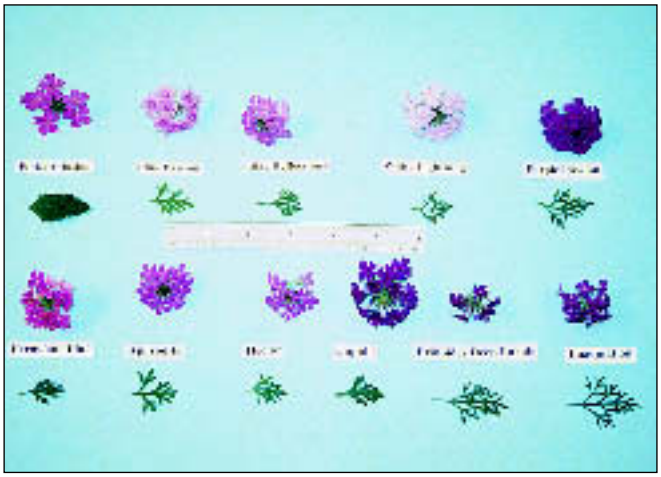

Fig 25 **Verbena – Inflorescences and leaves of 'Sanmaripi' syn Pink Profusion (top, first from left), 'Suntory TP-P' syn Pink Passion (top, second from left), 'Suntory TP-L' syn Lilac Reflections (top, third from left), 'Suntory TP-W' syn 'White Lightning' (top, fourth from left), 'Suntory TP-V' syn Purple Passion (top, extreme right) and the comparators (all in the bottom row)**

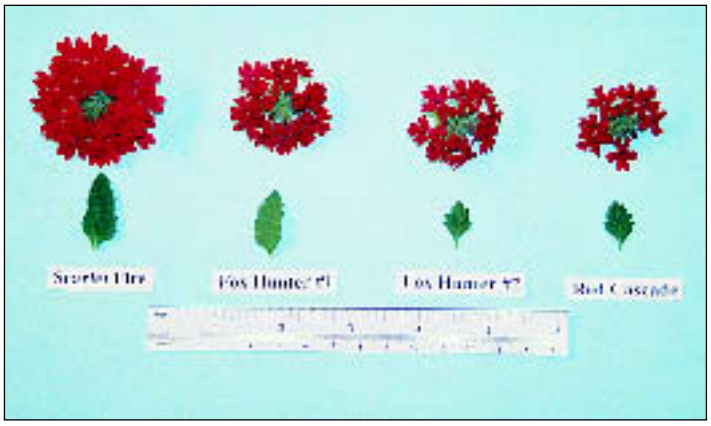

Fig 26 **Verbena – Inflorescences and leaves of 'Sanmarisu' syn Scarlet Fire (left) and its comparators 'Fox Hunter #1'(second from left), 'Fox Hunter #2' (third from left) and 'Red Cascade' (extreme right)**

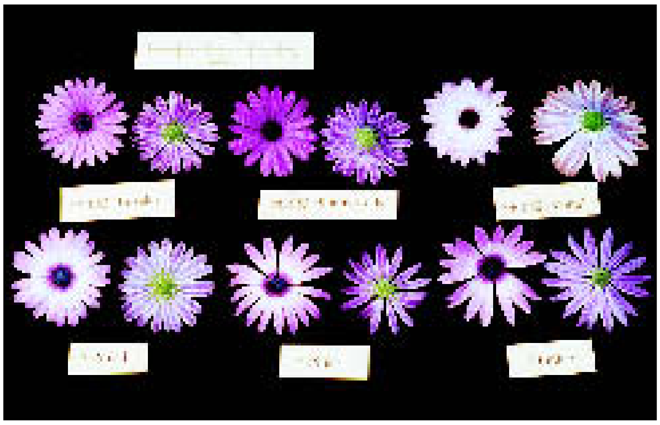

Fig 27 Osteospermum – Upper and under sides of flower head of 'Lusaka' (left) and its comparator 'Sunny Lady (right)

Fig 28 Dogwood – Flowers of 'Rutdan'

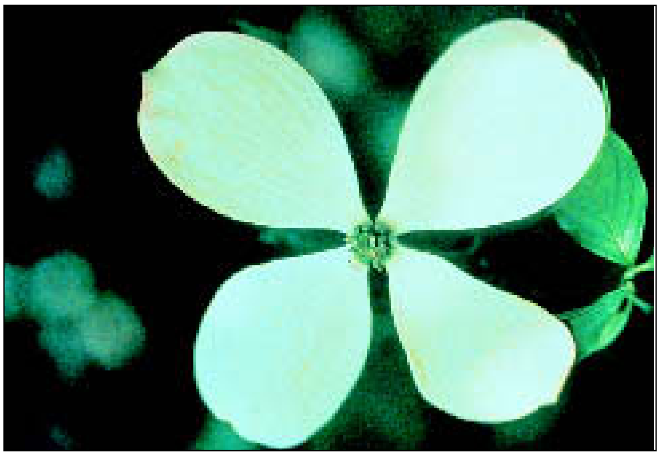

Fig 29 Dogwood – A large sized flower of 'Rutcan'

Fig 30 Creek Lilly Pilly – A potted plant of 'Bush Christmas' (left) and its comparator 'Blaze'

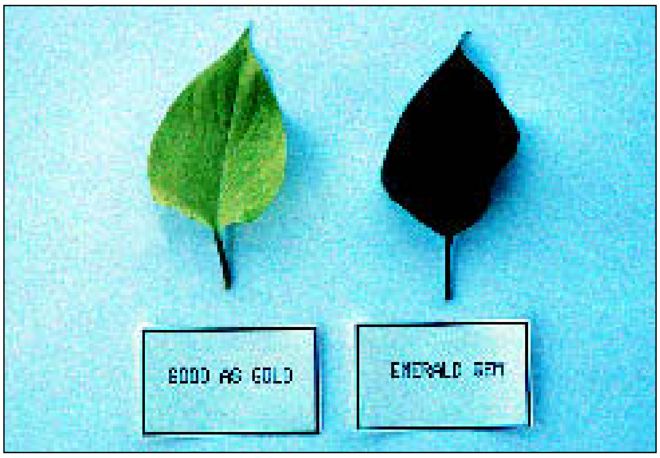

Fig 31 Homalomena – Leaves of 'Good as Gold' (left) and its comparator 'Emerald Gem'

Fig 32 Apple – Fruits and LS of fruits (bottom row) of 'Red Elstar' (left) and its comparators 'Elstar' (centre) and 'Fiesta' (right)

Fig 33 Peach – Fruits and LS of fruits (bottom row) of 'Tribute' (left) and its comparators 'Elegant Lady' (centre) and 'Robin Neil' (right)

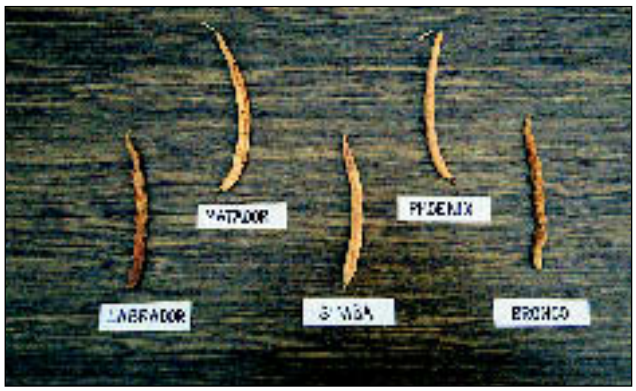

Fig 34 French bean – Dry pods of 'Nelson' syn Simba (centre) and its comparators 'Labrador' (first from left), 'Matador'(D) (second from left), 'Phoenix'(D) (fourth from left) and 'Bronco'(D) (extreme right) showing some distinguishing characteristics

Fig 35 Garden pea – Seeds of weakly wrinkled 'Trounce' (below) and strongly wrinkled comparator 'Bounty'(above)

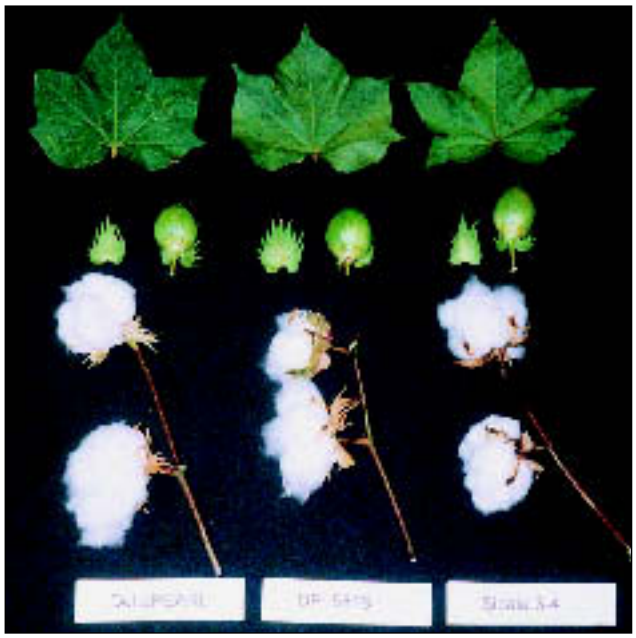

Fig 36 Cotton – Leaf (top row), bract and boll (centre row) and lint (bottom row) of 'DeltaPEARL' (left) and its comparators 'DP 5816' (centre) and 'Sicala 3-4' (right)

Fig 37 Cotton – Leaf (top row), bract and boll (centre row) and lint (bottom row) of 'DeltaGEM' (left) and its comparators 'DP 5690'(D) (centre) and 'Sicala 3-4' (right)

Fig 38 Cotton – Leaf of 'Sicot 50*i*' (right) and its comparator 'CS 50'$^{\phi}$ (left) infested with *Helicoverpa armigera* larvae

Fig 39 Cotton – Leaf of 'Siokra L-23*i*' (right) and its comparator 'Siokra L23'$^{\phi}$ (left) infested with *Helicoverpa armigera* larvae

Fig 40 Cotton – Leaf of 'Sicot S-8*i*' (right) and its comparator 'CS 8S'$^{\phi}$ (left) infested with *Helicoverpa armigera* larvae.

Fig 41 Cotton – Leaf of 'Siokra V-15*i*' (right) and its comparator 'Siokra V-15'$^{\phi}$ (left) infested with *Helicoverpa armigera* larvae

Fig 42 Cotton – Leaf of 'Sicala V-2*i*' (right) and its comparator 'Sicala V-2'$^{\phi}$ (left) infested with *Helicoverpa armigera* larvae

Fig 43 Wheat – Seedling leaves of 'Spear' (comparator 1), 'Stiletto' (candidate) and 'Trident' (comparator 2) (left to right) infected with stem rust (a) Stem rust pathotype 34-1,2,3,4,5,6,7; infection types 3+, 2=, X= respectively (left set) (b) Stem rust pathotype 34-1,2,3,6,7,8,9; infection types 3+, ;1-, X= respectively (right set)

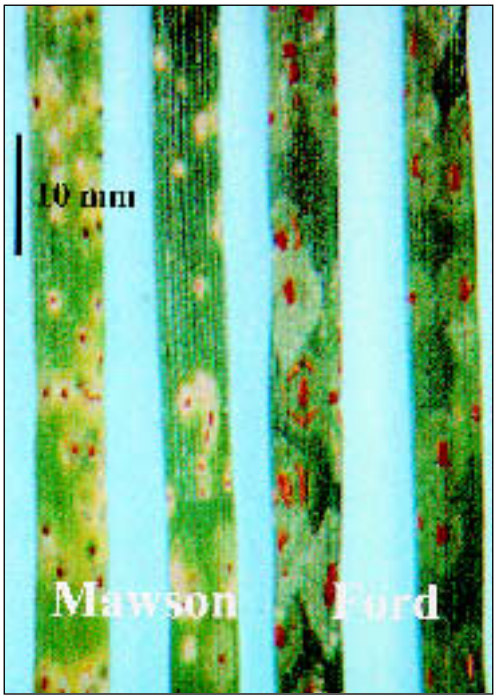

Fig 45 Wheat – Seedling leaves of 'Mawson' (left) and its comparator 'Ford' (right) showing the difference in susceptibility to a mixture of leaf and stem rust races. The lesions are predominantly leaf rust.

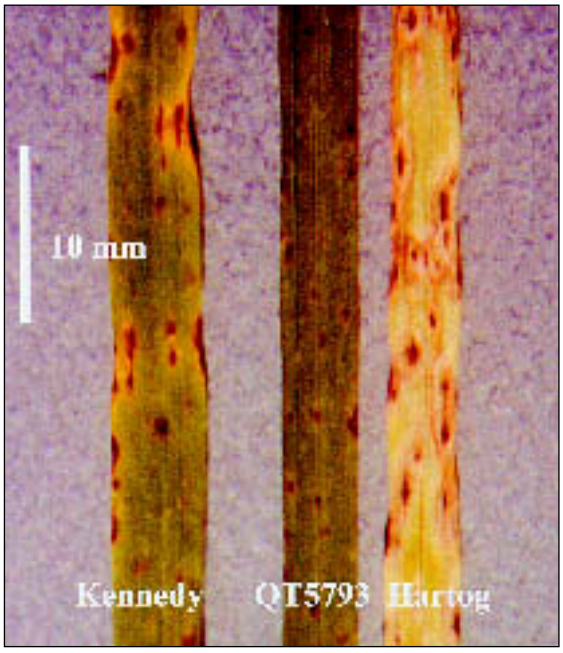

Fig 44 Wheat – Seedling leaves of 'Kennedy' (left), 'QT5793' (centre) and their comparator 'Hartog' (right) showing differences in susceptibility to yellow spot

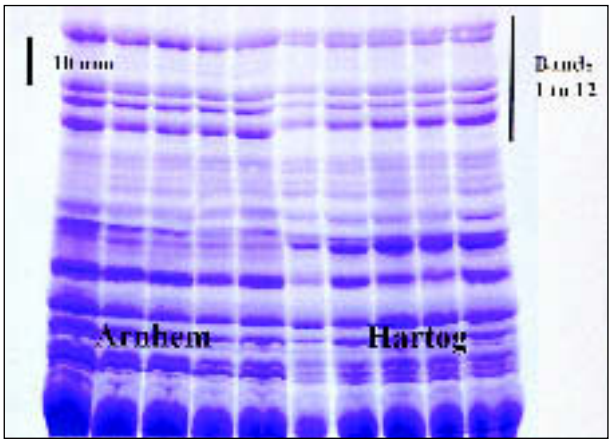

Fig 46 Wheat – Electrophoretic bands of high molecular weight glutenins, showing the 2+12 bands for the Glu-1D locus of 'Arnhem', and the 5+10 bands for the same locus of its comparator, 'Hartog'. Five chromatograms are shown for each variety.

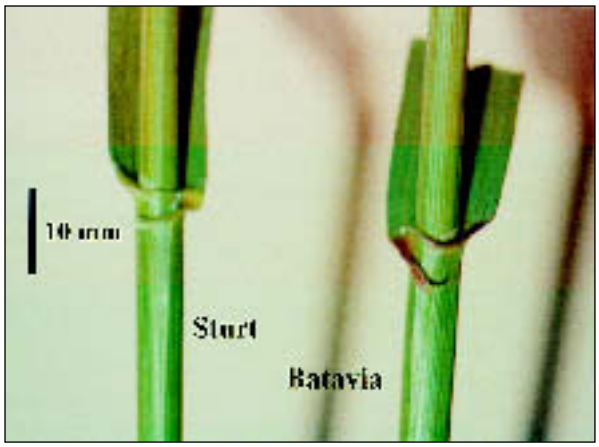

Fig 47 Wheat – Flag leaf auricles of 'Sturt' (left) and its comparator 'Batavia' (right) showing the difference in anthocyanin colouration.

Fig 48 **Lucerne – Seedlings of (from left) 'Eureka', 'Aurora', 'Quadrella'$^{\phi}$ and 'Trifecta' 40 days after inoculating with 100 stem nematodes per seed.**

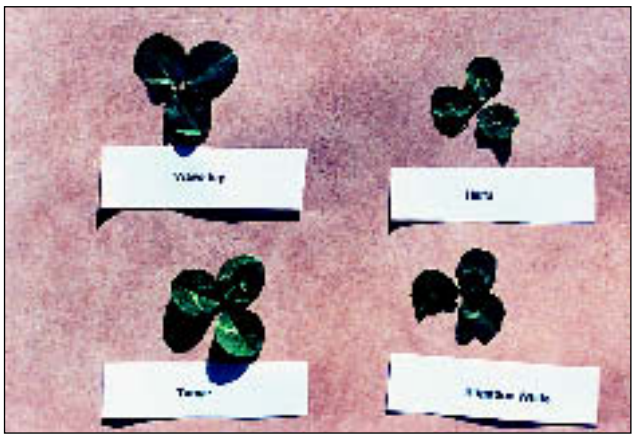

Fig 50 **White clover – Leaves of 'Waverley' (top left) showing solid green colour with no marks, compared to 'Haifa' (top right), 'Tamar' (bottom left) and 'Irrigation White' (bottom right)**

Fig 51 **Yellow serradella – Pods of 'Charano' syn GEH56 (left) and its closest comparator 'Paros' (right) showing differences in pod configuration.**

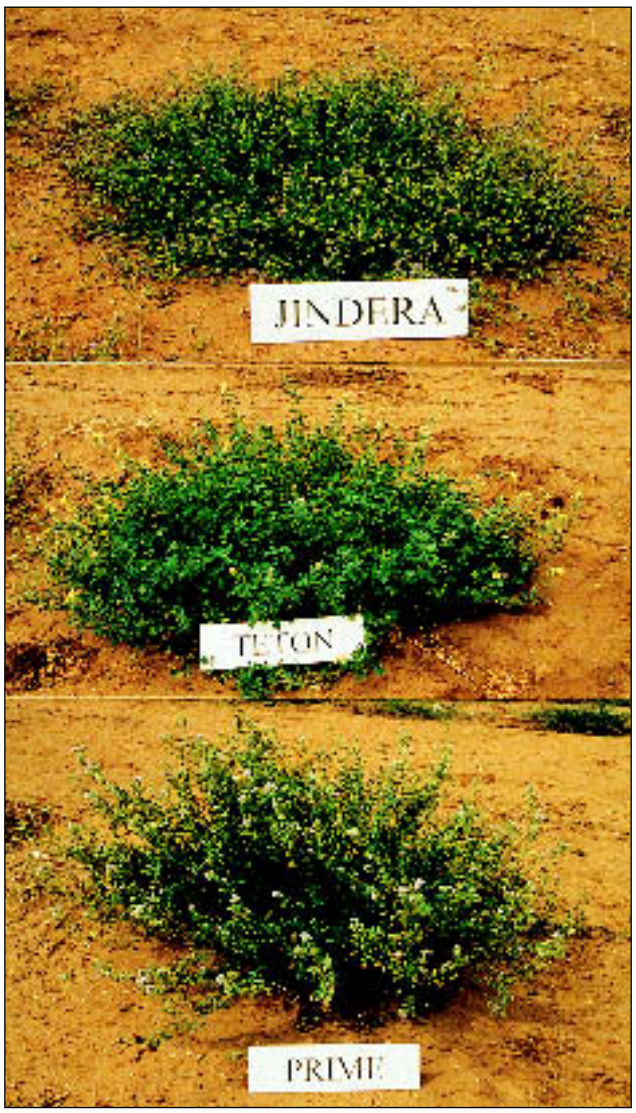

Fig 49 **Lucerne – Mature plants of 'Jindera' (top), 'Teton' (centre), and 'Prime' (bottom) in flowering/pod setting stage**

Fig 52 **Centrosema – Flowers of 'Cardillo' (left) and its comparators 'Common Type 1' (centre) and 'CommonType 2' (right) showing flower size and colour differences.**

Prior Applications and Sales

Country	Year	Status	Name Applied
New Zealand	1994	granted	'Suntosol'
Japan	1994	granted	'Revolution Pinkvein'
United States	1995	granted	'Revolution Pinkvein'
Denmark	1993	granted	'Suntosol'
Germany	1993	granted	'Suntosol'
Italy	1993	applied	'Suntosol'
Netherlands	1993	granted	'Suntosol'
Sweden	1993	granted	'Suntosol'
Israel	1994	granted	'Suntosol'

First sold Europe, 1994.

Description: **Ian Paananen, Paananen Consulting Pty Ltd,** Central Coast, NSW.

'Revolution Violet No. 2'

Application No: 96/237 Accepted: 23 Dec 1996.
Applicant: **Suntory Limited,** Osaka, Japan
Agent: **ForBio Plants Pty Ltd,** Somersby, NSW.

Description (Table 26, Figure 22) Plant: decumbent, spreading, viscid, branching abundant, profuse blooming, perennial herb. Stem: pubescent, internode length medium. Leaf: size medium, olive-green to yellow-green, entire, elliptic-oval, apex acute, sessile, pubescence sparse. Pedicel: length medium. Epicalyx: oblong, apex obtuse. Flower: single, funnel form, attitude horizontal-slanting upwards, size medium to large. Petal: colour inside violet (RHS 83A) at mid bloom, purple-violet (RHS 82A) at full bloom, veins purple (RHS 79A), throat purple-violet (RHS 82A); outside: purple (RHS 79A) at bud stage, purple-violet (RHS 82A) at full bloom. Stamen: pollen grey.

Origin Controlled pollination: ['Falcon Blue' x wild type] x ['Falcon Blue' x wild type], 1992. Breeder: Ushio Sakazaki, Yamanashi, Japan. Selection criteria: vivid petal colour, decumbent habit, low plant height, abundant branching, profuse and long flowering, pest and disease tolerance. Propagation: cuttings and micropropagation through many generations.

Comparative Trial Comparator: 'Blue Opal'(ϕ). Location: Somersby, NSW Feb 1997 - Apr 1997. Conditions: plants were raised in a standard exotic potting mixture in 200 mm pots in open beds. Trial design: plants arranged in a completely randomised design. Measurements: taken from 10 specimens selected randomly from 10 plants.

Prior Applications and Sales

Country	Year	Status	Name Applied
Japan	1993	granted	'Revolution violet No. 2'
Europe	1995	granted	'Sunblu'

First sold Japan, 1994.

Description: **Ian Paananen, Paananen Consulting Pty Ltd,** Central Coast, NSW.

Table 26 *Petunia* varieties

Flower colour group	Pink with dark pink veins			White with blue veins			Pink			Pastel pink		Violet	
Variety	**'Revolution Pink-**	***'Palomar Rose'(Ф)**	***'Sun-cocktail'(Ф)**	**'Revolution Blue-vein'**	***'Purple Victory'(Ф)**	***'Sun-cool'(Ф)**	**'Revolution Pink-vein'**	***'Revolution Purple mini'**	***'Sun-lace' Pink'(Ф)**	**'Revolution Pastel Pink No.2'**	***'Pink Mischief'(Ф)**	***'Revolution Violet No.2'**	***'Blue Opal'(Ф)**
PLANT HEIGHT (mm) LSD(P≤0.01) = 30.01													
mean	134.0a	113.0abcdef	100.7abcdef	80.8f	105.1abcdef	95.7abcdef	91.2cdef	92.2bcdef	126.5abcde	92.2bcdef	89.9def	124.0abcdef	84.9ef
std dev	24.4	27.2	27.8	17.6	40.3	18.3	19.1	24.8	19.3	24.8	12.8	31.7	28.7
PLANT WIDTH (mm) LSD(P≤0.01) = 102.1													
mean	439.9abcdef	309.1fgh	321.4fgh	478.4abc	454.2abcd	262.3gh	542.9a	388.6cdef	337.9defgh	458.3abcd	230.1h	392.5bcdef	439.2abcde
std dev	81.5	75.4	97.6	128.2	147.5	43.9	71.9	39.1	50.0	107.9	63.6	58.0	30.8
INTERNODE LENGTH (mm) LSD(P≤0.01) = 5.43													
mean	8.3h	20.8a	15.6abcdefgh	13.6bcdefgh	20.1abc	18.5abcde	10.5fgh	12.3defgh	14.9abcdefgh	12.0efgh	16.8abcdefg	13.5cdefgh	9.9gh
std dev	3.4	4.4	2.7	4.6	5.4	4.0	3.8	3.6	6.7	4.5	2.8	4.9	4.9
LEAF LENGTH (mm) LSD(P≤0.01) = 6.47													
mean	27.1ijk	37.4defgh	15.6abcdefgh	31.2ghijk	42.5bcd	50.6a	23.8	30.8hijk	50.8a	34.2efghi	23.7k	38.8cdefgh	33.4fghi
std dev	5.3	3.7	2.7	5.8	6.5	9.0	3.9	2.4	6.6	5.3	1.5	4.8	2.7
LEAF WIDTH (mm) LSD(P≤0.01) = 3.79													
mean	15.8ghi	20.9bcdef	26.2	20.1cdefg	25.8a	26.5a	14.8hi	18.9defgh	24.11abc	18.6efgh	13.6i	24.0abc	17.7fghi
std dev	2.7	1.7	3.8	2.8	2.0	4.9	2.4	2.1	5.2	2.4	1.1	3.4	2.9
FLOWER PEDICEL LENGTH (mm) LSD(P≤0.01) = 3.31													
mean	21.1a	16.1def	11.0ghij	23.3a	9.1ij	8.3j	17.2bcdef	5.1k	16.2cdef	9.4hij	15.9ef	23.7a	14.2f
std dev	3.8	2.5	3.0	3.4	1.6	2.5	2.4	1.4	4.1	1.9	2.5	2.8	1.6
EPICALYX LENGTH (mm) LSD(P≤0.01) = 2.33													
mean	12.0j	27.6a	28.9a	13.4hij	18.2def	26.5a	13.0ij	13.6ghij	28.8a	18.7cdef	20.1bcd	16.3f	16.5ef
std dev	1.3	2.4	4.3	1.1	1.6	3.3	0.9	0.5	1.3	1.4	2.1	0.9	1.4
FLOWER LENGTH (mm) LSD (P≤0.01) = 6.23													
mean	37.1j	69.0ab	66.2ab	46.2hi	51.4defgh	62.9b	43.5i	51.0efghi	72.1a	65.4ab	54.1cdef	49.1fghi	46.5ghi
std dev	2.9	2.3	4.1	4.4	5.2	4.1	3.4	2.4	7.1	7.9	5.2	8.2	3.5
FLOWER DIAMETER (mm) LSD(P≤0.01) = 6.1													
mean	43.2l	75.1cde	74.0def	49.5jkl	52.7ijk	71.8ef	56.3ghij	48.5kl	85.0a	77.4bcde	79.5abcd	67.7f	54.7hijk
std dev	5.0	1.6	5.0	3.9	4.9	6.3	3.4	3.4	6.7	7.4	5.2	5.8	1.6
FLOWER COLOUR (RHS)													
bud	79A-79B	146D, 77D	79C	79A-79C	76B	69D	81A	88A	77A	85B	85B	79A	83A
mid bloom	78C	74C	77B-77C	85D	76D	76D	74A	74A	74A	74B	74B	83A	83A
full bloom	76C	74D,76C	77C,76D	85D	76D	69D	74B	74B	74B	74B	74B	82A	82A
veins	79A	79A	79A	83A	83A-83B	79A	83A	79A	79C	200B	200C	79A	79A
throat	83C	160D	156B	85A	76C	69D	155A	86C	76D	155A	155A,160C	82A	82A
reverse	76A	69C	77B-77C	85D, 83D	76C	69D	66C-66D	78C	72D	66C-66D	75C	82A	82B

Means values followed by the same letter are not significantly different at P≤0.01 according to Student-Newman-Keuls test.

'Sanberupi' syn **Pink Chimes**

Application No: 95/264 Accepted: 8 Nov 1995 .
Applicant: **Suntory Limited,** Osaka, Japan
Agent: **ForBio Plants Pty Ltd,** Somersby, NSW.

Description (Table 27, Figure 23) Plant: globose, upright-decumbent, viscid, abundant branching, profuse blooming, perennial herb. Stem: pubescent, internodes short. Leaf: small, olive-green to yellow-green, entire, elliptic-spathulate, apex acute, sessile, pubescence sparse. Pedicel: length short. Epicalyx: subulate, apex acute. Flower: single, funnelform, horizontal, small. Petal colour inside red-purple (RHS 74A) at mid bloom and full bloom, veins violet (RHS 83A), throat yellow-orange (RHS 14A); colour outside violet (RHS 83A) at bud stage, purple (RHS 77B) at full bloom. Stamen: pollen yellow.

Origin Controlled pollination: 'PI05' (wild type) x 'PI07' (wild type), 1992. Breeder: Kenichi Suzuki, Yoshiji Nishikawa, Yasuyuki Murakami, Yamanashi, Japan. Selection Criteria: vivid petal colour, upright-decumbent habit, small flower diameter, profuse flowering, pest and disease tolerance. Propagation: cuttings and micropropagation through many generations.

Comparative Trial Comparators: 'Sanberubu' and *P. integrifolia*. Location: Somersby, NSW Feb 1997 - Apr 1997. Conditions: plants were raised in a standard exotic potting mixture in 200 mm pots in open beds. Trial design: plants arranged in a completely randomised design. Measurements: taken from 10 specimens selected randomly from 10 plants.

Prior Applications and Sales

Country	Year	Status	Name Applied
Germany	1995	granted	'Sunbelpi'
Israel	1995	applied	'Sunbelpi'
Italy	1995	applied	'Sunbelpi'
Netherlands	1995	applied	'Sunbelpi'
New Zealand	1996	applied	'Sunbelpi'
France	1995	applied	'Sunbelpi'
Japan	1992	granted	'Sanberupi'
USA	1995	granted	'Suntory SP-R'

First sold Japan, 1994.

Description: **Ian Paananen, Paananen Consulting Pty Ltd,** Central Coast, NSW.

'Sanberubu' syn **Blue Chimes**

Application No: 95/263 Accepted: 8 Nov 1995.
Applicant: **Suntory Limited,** Osaka, Japan.
Agent: **ForBio Plants Pty Ltd,** Somersby, NSW.

Description (Table 27, Figure 23) Plant: globose, upright-decumbent, abundant branching, profuse blooming, perennial herb. Stem: pubescent, internodes short. Leaf: small, olive-green to yellow-green, entire, elliptic-spathulate, apex acute, sessile, pubescence sparse. Pedicel: length short. Epicalyx: subulate, apex acute. Flower: single, funnelform, horizontal, small. Petal: colour inside purple-violet (RHS 82A) at mid bloom and full bloom, veins purple (RHS 79A), throat yellow-orange (RHS 14A); colour outside violet (RHS 83A) at bud stage, purple-violet (RHS 81B) at full bloom. Stamen: pollen yellow.

Origin Controlled pollination: 'PV25' (wild type) x 'PV15' (wild type), 1992. Breeder: Kenichi Suzuki, Yoshiji Nishikawa, Yasuyuki Murakami, Yamanashi, Japan. Selection criteria: vivid petal colour, upright-decumbent habit, small flower diameter, profuse flowering, pest and disease tolerance. Propagation: cuttings and micropropagation through many generations.

Comparative Trial Comparator: 'Sanberupi', *P. integrifolia*. Location: Somersby, NSW Feb 1997 - Apr 1997. Conditions: plants were raised in a standard exotic potting mixture in 200 mm pots in open beds. Trial design: plants arranged in a completely randomised design. Measurements: taken from 10 specimens selected randomly from 10 plants.

Prior Applications and Sales

Country	Year	Status	Name Applied
Germany	1995	granted	'Sunbelbu'
Israel	1995	applied	'Sunbelbu'
Italy	1995	applied	'Sunbelbu'
Netherlands	1995	applied	'Sunbelbu'
New Zealand	1995	applied	'Sunbelbu'
Japan	1992	granted	'Sanberubu'
United States	1995	granted	'Sunberubu'
France	1995	applied	'Sunbelbu'

First sold Japan, 1994.

Description: **Ian Paananen, Paananen Consulting Pty Ltd,** Central Coast, NSW.

Table 27 *Petunia* varieties

	'San-berupi'	**'San berubu'**	***Petunia integrifolia***
PLANT WIDTH (mm) LSD (P≤0.01) = 73.1			
mean	328a	463b	690c
std deviation	38.4	25.8	89.1
INTERNODE LENGTH (mm) LSD (P≤0.01) = 5.9			
mean	13.0a	15.5a	28.6b
std deviation	2.9	3.6	6.7
LEAF WIDTH (mm) LSD (P≤0.01) = 2.8			
mean	8.50a	9.75a	14.46b
std deviation	1.1	1.4	3.4
FLOWER DIAMETER (mm) LSD (P≤0.01) = 2.4			
mean	27.5a	28.3a	39.2b
std deviation	1.8	1.8	2.1
FLOWER HEIGHT (mm) LSD (P≤0.01) = 4.0			
mean	26.9a	25.0a	31.1b
std deviation	3.1	3.7	2.4
FLOWER COLOUR (RHS)			
Bud	83A	83A	79A-79B
Mid bloom	74A	82A	74A
Full bloom	74A	82A	74A
Veins	83A	79A	79A
Throat	14A	14A	79D
Reverse	77B	81B	77B

EPICALYX LENGTH (mm) LSD (P≤0.01) = 1.5			
mean	14.4a	13.0a	17.4b
std deviation	0.8	0.7	1.8

PEDICEL LENGTH (mm) LSD (P≤0.01) = 3.0			
mean	13.7a	9.8b	24.1c
std deviation	1.4	1.8	3.5

Mean values followed by the same letter are not significantly different at P≤0.01 according to Student-Newman-Keuls test

ROSE
Rosa

'JACcofl syn Brass Band

Application No: 96/069. Accepted: 1 May 1996.
Applicant: **Bear Creek Gardens Inc.,** Somis, California, USA.
Agent: **Swane Bros. Pty Ltd.,** Narromine, NSW.

Description (Figure 4) Plant: vigorous, upright, branching, remontant. Stem: smooth, green, Young vegetative stem: smooth, light green; thorns short, hooked slightly downwards, prickles absent. Terminal leaflet: large, broadly oval, dark green, leathery, glossy, margins serrated. Flower pedicel: smooth, medium green. Flower bud: 4cm long when petals start unfurl, long, pointed ovoid. Flower: borne singly and clustered, large, mean diameter when open 8 cm, high centred on opening, flattens out, petals curl back, slight fragrance, sepal 3 lightly appendaged, 2 hairy edged unappendaged, colour group green (RHS 138C), finely hirsute; petal number 40, thick, upper side colour group orange (RHS 29A), lower side yellow-orange group (RHS 15C), reverse side yellow-orange (RHS 15D); stamen filaments yellow, stigma greenish white; style reddish. Seed vessel: small 9.5mm x 9.5mm, funnel shape, smooth surface.

Origin Controlled pollination: 'unknown seedling' x 'Meigrounri'. Breeder: Jack E Christensen, Ontario, California, USA. Selection criteria: distinctive flower colour, healthy foliage, resistance to disease.

Comparative Trial Description based on US Patent Information. Location: Somis, California, USA, May-Oct 1993. The qualified person considers 'City of Goulburn'(Ф) and 'Marmalade' to be the closest comparators available in Australia.

Prior Applications and Sales

Country	Year	Status	Name Applied
USA	1994	granted	'JACcofl'

First sold USA 1995

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

'JACnor' syn Signature

Application No: 96/068. Accepted: 1 May 1996.
Applicant: **Bear Creek Gardens Inc.,** Somis, California, USA.
Agent: **Swane Bros. Pty Ltd.** Narromine, NSW.

Description (Figure 3) Plant: vigorous, upright, remontant, hybrid tea rose. Stem: smooth, green. Young vegetative stem: reddish; thorns medium, hooked downward, prickles present. Terminal leaflet: large, pointed oval, dark green, leathery, glossy, serrated edges. Flower pedicel: smooth, medium green, bronzy. Flower bud: long 4.5cm when petals unfurl, pointed ovoid. Flower: borne singly on long stems, mean diameter when open 10.5cm, high centred, retains form to end, outer petals curl back; moderate fragrance; sepal 3 appendaged, 2 hairy edged unappendaged, green RHS 138C, finely hirsute; petal number 30 - 35, round, thick, leathery, petal edges red group RHS 45C, red group RHS 48C to RHS 48D elsewhere, half moon at point of attachment; stamen filaments yellow; stigma greenish-white; style red. Seed vessel: small, smooth, funnel shape.

Origin Controlled pollination: 'JAColite' x 'First Federal Renaissance'. Breeder: Keith W Zary, Somis, California, USA. Selection criteria: exhibition flower form, colour, vigorous growth habit.

Comparative Trial Location: Somis, California, USA, Apr - Nov 1994. Description based on US Patent Information. The qualified person considers 'First Prize' and 'Aotearoa'(Ф) to be the closest comparators in Australia.

Prior Applications and Sales

Country	Year	Status	Name Applied
USA	1996	granted	'JACnor'

First sold USA 1996.

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

'JACtou' syn Midas touch

Application No: 96/065. Accepted: 1 May 1996.
Applicant: **Bear Creek Gardens Inc.,** Somis, California, USA.
Agent: **Swane Bros. Pty Ltd,** Narromine, NSW.

Description (Figure 1) Plant: vigorous, remontant, hybrid tea rose. Stem: smooth, green; young vegetative stem smooth, light green; thorns: medium, broad, hooked slightly downward, prickles absent. Leaf: leaflet number 5-7; Terminal leaflet: pointed oval, edges serrated, dark green, semi-glossy; petiole: dark green, rough, prickles. Flower bud: pointed ovoid, 3.5cm when petals unfurl. Sepal: colour group green (RHS 138B), 3 lightly appendaged, 2 hairy edged unappendaged. Flower: large, single, diameter 115mm, high-centred. Petal: round, thick, tips curved; colour group yellow orange (RHS 15A) both sides, greenish-white basal half moon. Stamen: anthers size medium, filaments yellow; style white; stigma red. Seed vessel: large, apple shaped. Fragrance moderate.

Origin Controlled pollination: 'Arocad' x 'Tansenfire'. Breeder: Jack E Christensen, Ontario, California, USA. Selection criteria: flower form, colour, growth habit.

Comparative Trial Description based on US Patent Information. Location: Somis, California, USA, Mar-Aug 1991. The qualified person considers 'Friesia' and 'Shining Hour'(Ф) to be the closest comparators available in Australia.

Prior Applications and Sales

Country	Year	Status	Name Applied
USA	1993	granted	'JACtou'

First sold USA 1995.

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

'Korazerka' syn Ekstase

Application No. 96/078 Accepted: 17 Apr 1996
Applicant: **Wilhelm Kordes,** Klein Offenseth-Sparrieshoop, Germany.
Agent: **Treloar Roses Pty Ltd.,** Portland, VIC.

Description (Table 28, Figure 8) Plant: hybrid tea type, bed rose, strong growth habit. Young vegetative shoot: anthocyanin colouration practically nil, colour light green. Flower shoot: colour green, thorns; very low density, small and medium size, restricted to shoot base. Thorn: upper and lower profiles concave. Leaf: size medium to large, colour dark green, gloss weak to semi. Terminal leaflet: length medium to long (mean 89mm), cross-section mainly flat, lamina undulation slight, base cordate, petiolule length medium (mean 21mm). Flower bud: ovate. Flower pedicel: smooth, occasional glandular hairs. Flower: colour very dark red, size large, type double, petals many, viewed from above irregularly round, upper profile flattened convex, lower profile flat, fragrance very strong single terminal blooms. Sepal: extensions nil or weak, terminal leafy extension; size small, colour purplish red. Petal: size large to very large, margin reflex medium to strong, undulation weak. Petal inside surface, texture velvety, colour midzone and margin nearest match RHS 60A, basal spot; small, distinct margin, colour pale creamy yellow RHS 11D; outside surface, texture matt, colour midzone nearest match RHS 60A-60B, margin nearest match RHS 60A, basal spot; size very small, distinct margin, colour pale creamy yellow RHS 11D . Stamen filament: purplish red. Style: off white, stained red near stigma. Stigma and anther same height. Flowers: number mainly singles, position terminal. Flowering: remontant. Seed vessel: size small to medium, shape funnel.

Origin Controlled pollination: 'Sandkor' syn Sandra x ('Korlingo' syn Kardinal x 'Red Planet'). Breeder: Wilhelm Kordes, Klein Offenseth-Sparrieshoop, Germany. Selection criteria: perfume, flower colour, growth habit, cut flower under greenhouse conditions. Propagation: vegetatively through numerous generations.

Comparative Trial Comparator: 'Meirolour'(Ð (syn Concerto(Ð). Location: Silvan South, VIC (Latitude 35º50' south, elevation 220m), autumn-winter 1997. Conditions: trial conducted in an environmentally controlled greenhouse for continuous flower production; plants propagated from cuttings, when rooted established in 300mm pots filled with soilless medium (scoria), fed hydroponically, full nutrition; plants trained and pruned by modern techniques used for cut flower production. Trial design: grown as double rows in production blocks along with other varieties. Measurements: minimum of 20 taken at random from 20 plants.

Prior Applications and Sales

Country	Year	Status	Name Applied
Germany	1993	granted	'Korazerka'
Switzerland	1994	granted	'Korazerka'
Spain	1995	applied	'Korazerka'
France	1995	applied	'Korazerka'
Israel	1994	granted	'Korazerka'
Netherlands	1992	granted	'Korazerka'

First sold Netherlands 1993.

Description: **Dr Brian Hanger, Rosemary Ridge Pty Ltd,** Monbulk, VIC.

Table 28 *Rosa* varieties

	'Korazerka'	*'Meirolour'(Ð
TERMINAL LEAFLET PETIOLULE LENGTH (mm)		
mean	21.3	21.6
std deviation	3.2	3.4
LSD/sig	2.3	ns
FLOWER DIAMETER (mm)-fully open		
mean	132.0	119.0
std deviation	10.5	8.7
LSD/sig	8.9	P≤0.01
FLOWER PEDICEL		
	smooth	uniform density short fine hairs; occasional glandular hairs, small thorns.
FLORAL PERFUME		
	very strong	absent to weak
SEPAL EXTENSIONS		
	mainly absent	weak to medium
PETAL COLOUR (RHS)		
midzone		
-outside	closest 60A-60B	closest 60A
margin		
-inside	closest 60A	closest 46A
BASAL SPOT COLOUR		
	pale yellow	bright yellow
STAMEN FILAMENT COLOUR		
	purplish red	pale yellow
STIGMA TO ANTHER HEIGHT		
	same	above
SEED VESSEL SHAPE:		
	funnel	pitcher

'Kormiller' syn **Dream**

Application No. 96/076 Accepted: 17 Apr 1996.
Applicant: **Wilhelm Kordes,** Klein Offenseth-Sparrieshoop, Germany.
Agent: **Treloar Roses Pty Ltd,** Portland, VIC.

Description (Figure 7) Plant: narrow bushy to bushy. Young shoot: anthocyanin colouration medium, colour reddish brown to reddish purple. Thorns: absent. Leaf: size medium to large, colour dark green, glossiness upper surface weak. Terminal leaflet: cross section flat, undulation medium, length medium to long (mean 77.2mm), width medium (mean 41.7mm), base shape rounded, petiolule; length medium (mean 20.8mm). Flowering shoot: flower number few. Flower pedicel: number of thorns many. Flower bud: shape ovate. Flower: type double, petal number very few to few, diameter medium (mean 88.5mm), view from above irregularly round, upper profile flattened convex, lower profile flat, fragrance weak. Sepal: length medium (mean 34.8mm), extensions medium to strong. Flower petal: size medium to large, reflexed margin medium to strong, margin undulations weak, inside surface; colour middle zone and margin, light reddish pink RHS 35D (middle zone RHS 43D, margin RHS 49A), basal spot present, size medium to large, colour yellow RHS 9B (RHS 3D), outside surface; colour middle zone and margin light reddish pink RHS 38C (midzone RHS 51D, margin RHS 50D), basal spot present, size medium to large, colour yellow RHS 9B (RHS 3B). Stamen: colour yellow. Style: colour medium red. Stigma well above anther. Seed vessel: size medium, shape pear. Flowering: remontant. (Note: data in brackets from local observations and measurements)

Origin Controlled pollination: (unnamed seedling x 'Kortexung' syn Europa) x (unnamed seedling x 'Koramper' syn Champagner). Breeder: Wilhelm Kordes, Klein Offenseth-Sparrieshoop, Germany. Selection criteria: growth habit, cut flower under greenhouse conditions. Propagation: vegetatively through numerous generations.

Comparative Trial Description based on official German PBR documents, and data confirmed by local observations and measurements. Location: Silvan South, VIC (Latitude 35º50' south, elevation 220m), Autumn-winter 1997. Conditions: trial conducted in an environmentally controlled greenhouse for continuous flower production; plants propagated from cuttings, when rooted established in 300mm pots filled with soilless medium (scoria), fed hydroponically, full nutrition; plants trained and pruned by modern techniques used for cut flower production. Trial design: grown as double rows in production blocks along with other varieties. Measurements: minimum of 20 random samples from 20 plants. The qualified person considers 'Korsorb'(ϕ) syn Cubana(ϕ) to be the closest known comparator in Australia.

Prior Applications and Sales

Country	Year	Status	Name Applied
Germany	1994	applied	'Kormiller'
Switzerland	1995	applied	'Kormiller'
Norway	1995	applied	'Kormiller'
Netherlands	1994	applied	'Kormiller'
Sweden	1994	applied	'Kormiller'

First sold Germany 1995.

Description: **Dr Brian Hanger, Rosemary Ridge Pty Ltd,** Monbulk, VIC.

'Korplasina' syn **Our Vanilla**

Application No. 96/081 Accepted: 29 Apr 1996.
Applicant: **Wilhelm Kordes,** Klein Offenseth-Sparrieshoop, Germany.
Agent: **Treloar Roses Pty Ltd,** Portland, VIC.

Description (Table 29, Figure 10) Plant: bushy, dense bed rose. Young shoot: anthocyanin colouration present, colour reddish brown. Thorns: density low, size uniform size, long (mean 6.2mm), slim, upper side slightly concave, lower side concave. Leaf: size medium, colour medium to dark green, glossiness upper surface dull to weak. Terminal leaflet: cross section flat, undulation mainly absent, length medium to long (mean 63mm), width medium (mean 31mm), base shape obtuse, petiolule; length medium (mean 17mm). Flowering shoot: flower number few, usually single. Flower pedicel: colourless hairs few, small thorns few towards base. Flower bud: shape ovate. Flower: type double, petal number many (30-35), diameter medium (mean 86mm), view from above irregularly round, upper profile flattened convex, lower profile concave, fragrance weak. Sepal: length medium (mean 35), extensions medium to strong. Flower petal: size medium, reflexed margins medium to strong, downward reflexion strong with age, margin undulations weak, inside surface; colour middle zone and margin, white near RHS 155A, basal spot; absent, outside surface; colour middle zone and margin white near RHS 155A, basal spot absent. Outer petals often with greenish hue. Stamen: colour yellow. Style: colour white. Stigma slightly below anther. Seed vessel: size medium, shape pitcher. Flowering: remontant.

Origin Controlled pollination: 'Kortexung' syn Europa x ('Korbeen' syn Goldy x ('Chantal' x 'Lady Like')). Breeder: Wilhelm Kordes, Klein Offenseth-Sparrieshoop, Germany. Selection criteria: growth habit, cut flower under greenhouse conditions. Propagation: vegetatively through numerous generations.

Comparative Trial Comparator: 'Meihouba'(ϕ) (syn Message(ϕ)). Location: Silvan South, VIC (Latitude 35º50' south, elevation 220m), autumn/winter 1997. Conditions: trial conducted in an environmentally controlled greenhouse, plants propagated from cuttings, when rooted established in 300mm pots filled with soilless medium (scoria), fed hydroponically, full nutrition; plants trained and pruned by modern techniques used for cut flower production. Trial design: grown as double rows in production blocks along with other varieties. Measurements: minimum of 20 taken at random from 20 plants.

Prior Applications and Sales

Country	Year	Status	Name Applied
Germany	1993	granted	'Korplasina'
Belgium	1994	granted	'Korplasina'
Spain	1995	applied	'Korplasina'
Israel	1993	granted	'Korplasina'
Netherlands	1992	granted	'Korplasina'
Poland	1993	applied	'Korplasina'

First sold Netherlands 1993.

Description: **Dr Brian Hanger, Rosemary Ridge Pty Ltd,** Monbulk, VIC.

Table 29 *Rosa* Varieties

	'Kor-plasina'	*'Meihouba'(b)
THORN LENGTH(mm)		
mean	6.2	7.9
std deviation	0.6	0.9
LSD/sig	0.7	P≤0.01
TERMINAL LEAFLET LENGTH(mm) -first or second true leaf down from flower cluster		
mean	62.5	81.8
std deviation	5.6	8.5
LSD/sig	5.5	P≤0.01
TERMINAL LEAFLET WIDTH(mm)		
mean	30.7	43.8
std deviation	2.8	4.9
LSD/sig	3.3	P≤0.01
TERMINAL LEAFLET PETIOLULE LENGTH (mm)		
mean	17.0	21.0
std deviation	2.5	3.0
LSD/sig	2.3	P≤0.01
FLOWER DIAMETER (mm)-fully open		
mean	86.1	105.3
std deviation	3.7	9.1
LSD/sig	6.1	P≤0.01
SEPAL LENGTH (mm)		
mean	35.4	40.1
std. deviation	3.2	5.0
LSD/sig	3.5	P≤0.01
LEAF		
size	medium	large
upper surface	weak gloss	weak gloss
TERMINAL LEAFLET BASE		
	obtuse	round
THORN UPPER SIDE:		
	slightly concave	flat to catena
FLOWER PEDICEL- density of hairs, thorns,		
	low	medium
SEPAL EXTENSIONS		
	medium	medium /strong
PETAL COLOUR (RHS)		
midzone		
-outside	near 155A	near 155A
-inside	near 155A	paler than 4D
margin		
-outside	near 155A	near 155A
-inside	near 155A	paler than 4D
STAMEN FILAMENT COLOUR		
	yellow	orange yellow
STIGMA TO ANTHER HEIGHT		
	slightly below	above
SEED VESSEL SHAPE:		
	pitcher	funnel

'MACoranlem' syn Oranges and Lemons

Application No: 96/066. Accepted: 1 May 1996.
Applicant: **Sam McGredy Roses International,** Epsom, New Zealand.
Agent: **Swane Bros Pty Ltd,** Narromine, NSW.

Description (Figure 2) Plant: vigorous, bushy, remontant, bedding rose. Young vegetative stem: reddish brown; prickles present, thorns present, slight concave. Terminal leaflet: size medium, dark green, glossy, base obtuse, cross section slight concave, margin undulating. Flower pedicel: finely hirsute, prickles present. Flower bud: broad-ovate. Flower: double, upper profile flattened convex, lower profile flat, fragrance medium; sepal extensions medium; petal size medium, red (RHS 40A), yellow streaks (RHS 8A), splashes, spot at inner base, inner side large, yellow (RHS 12A), undulation present; stamen filaments yellow. Seed vessel: medium to large, pitcher shaped.

Origin Controlled pollination: 'unnamed seedling' x 'MACnewye'. Breeder: Sam McGredy, Epsom, New Zealand. Selection criteria: healthy foliage, flower colour and growth habit.

Comparative Trial Description based on UK Patent Information. Location: Cambridge, UK 1992. The qualified person considers 'WEKplapep' to be the closest comparator available in Australia.

Prior Applications and Sales

Country	Year	Status	Name Applied
UK	1993	granted	'MACoranlem'
USA	1995	granted	'MACoranlem'

First sold USA 1994.

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

'Spekes' syn Our Sacha

Application No. 96/080 Accepted: 29 Apr 1996
Applicant: **Wilhelm Kordes,** Klein Offenseth-Sparrieshoop, Germany.
Agent: **Treloar Roses Pty. Ltd.,** Portland, VIC.

Description (Table 30, Figure 9) Plant: upright bushy bed rose. Young shoot: anthocyanin colouration present, medium, colour reddish brown. Shoot: colour medium green. Thorns: density very low, uniform size, long, upper side very slightly concave, lower side concave. Leaf: size medium, colour medium to dark green, glossiness upper surface weak. Terminal leaflet: cross section flat to slightly concave, undulation of margin weak, length medium to long, width medium, base shape round, petiolule length short to medium. Flowering shoot: flower number few, usually single. Flower pedicel: smooth, occasional fine colourless hairs. Flower bud: shape ovate. Flower: type double, petal number many, diameter medium, view from above irregularly round, upper profile flattened convex, lower profile flat to slightly concave, fragrance weak. Sepal: length medium, extensions medium to strong, some strong leafy terminal extensions. Flower petal: size medium, margin reflexing medium to strong, margin undulations weak, inside surface; appearance velvety, colour middle zone and margin, red near RHS 46A, basal spot present,

size very small, colour whitish yellow RHS 8C; outside surface appearance matt, colour middle zone and margin near RHS 60A/RHS 185A, basal spot present, size very small, colour pale greenish yellow RHS 1D/RHS 3D. Stamen: colour pale yellow stained red near anther. Style: colour whitish green. Stigma above anther. Seed vessel: size medium, shape pitcher. Flowering: remontant.

Origin Spontaneous mutation or sport: 'Korcrisett'(ϕ) syn Calibra(ϕ). Breeder: Hette Spek, Boskoop, Netherlands. Selection criteria: growth habit, cut flower under greenhouse conditions. Propagation: vegetatively through numerous generations.

Comparative Trial Comparator: 'Aruba', identical to 'Spekes' except for slightly darker red flower. Location: Silvan South, VIC (Latitude 35º50' south, elevation 220m), autumn/winter1997. Conditions: trial conducted in an environmentally controlled greenhouse.; plants propagated from cuttings, when rooted established in 300mm pots filled with soilless medium (scoria), fed hydroponically, full nutrition; plants trained and pruned by modern techniques used for cut flower production. Trial design: grown as double rows in production blocks along with other varieties. Measurements: minimum of 20 taken at random from 20 plants.

Prior Applications and Sales

Country	Year	Status	Name Applied
Germany	1993	granted	'Spekes'
France	1995	applied	'Spekes'
United Kingdom	1994	granted	'Spekes'
Israel	1994	granted	'Spekes'
Japan	1994	applied	'Spekes'
Netherlands	1992	granted	'Spekes'

First sold Netherlands 1993.

Description: **Dr Brian Hanger, Rosemary Ridge Pty Ltd,** Monbulk, VIC.

Table 30 *Rosa* varieties

	'Spekes'	* 'Aruba'
PETAL COLOUR RHS		
	red	slightly darker red than 'Spekes'
midzone		
-outside	near 60A/ 185A	near 59B/ 60A
-inside	near 46A	near 46A
margin		
-outside	near 60A/ 185A	near 59B/ 60A
-inside	near 46A	near 46A
BASAL SPOT COLOUR (RHS)		
-outside	1D/3D	4D
inside surface	8C	2D-4D

'WEKjoe' syn Lynn Anderson

Application No: 96/070 Accepted: 1 May 1996.
Applicant: **Week's Roses,** Upland, California, USA.
Agent: **Swane Bros Pty Ltd.** Narromine, NSW.

Description (Figure 5) Plant: tall, upright, full branching, vigorous. Stem: medium green. Young vegetative stem: medium green suffused lightly reddish; thorns large, hooked downwards, prickles very few. Terminal leaflet: very large, pointed, oval, dark green, leathery, semi-glossy, margin serrated. Flower pedicel: finely hirsute, medium green. Flower bud: long 4cm when petals unfurl, pointed, ovoid. Flower: borne singly and clustered on long stems, mean diameter when open 12 cm, high-centred, slight tea fragrance; petal number 33, thickness medium, satiny, colour white (RHS 155A and RHS 155C), edging between red-purple group (RHS 61C and RHS 54A), outer petals reflexed; stamen filaments yellow; stigma light yellow; style red. Seed vessel: small, pitcher shaped, smooth.

Origin Controlled pollination: 'Gold Medal' x unnamed seedling. Breeder: Joseph Winchel, Harbor City, California, USA. Selection criteria: flower form, colour, long cutting stems.

Comparative Trial Description based on US Patent Information. Location: Upland, California, USA, Aug 1994-Nov 1994. The qualified person considers 'Princesse de Monaco' to be the closest comparator in Australia.

Prior Applications and Sales

Country	Year	Status	Name Applied
USA	1994	granted	'WEKjoe'

First sold USA 1994.

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

VERBENA
Verbena

'Sanmaripi' syn Pink Profusion

Application No: 95/270 Accepted: 6 Dec 1995 .
Applicant: **Suntory Limited,** Osaka, Japan.
Agent: **ForBio Plants Pty Ltd,** Somersby, NSW.

Description (Table 31, Figure 25) Plant: spreading, vigorous growing, branching abundant, blooming profuse, perennial herb. Stem: internode length short-medium, diameter 2mm-3mm, anthocyanin present, pubescence medium. Leaf: olive green, opposite, hastate, incisions shallow. Inflorescence: spike. Peduncle: short. Calyx: anthocyanin present. Flower: upward facing, petals curve outwards, petal colour red-purple (RHS 74B-74C), corolla lobes separate.

Origin Controlled pollination: 'Derby Rosa' x *V. peruviana* f. *rosea* wild type, 1989. Breeder: Ryuichi Tachibana, Yamanashi, Japan. Selection criteria: spreading growth habit, abundant branching, many flowers per spike, large flower diameter, vivid petal colour, pest and disease resistance. Propagation: cuttings and micropropagation through many generations.

Comparative Trial Comparators: 'Pink Passion', 'Lilac Reflections', 'Hector', 'Aphrodite'. Location: Somersby, NSW Feb 1997 - Apr 1997. Conditions: plants were raised in a standard exotic potting mixture in 200 mm pots in open beds. Trial design: plants arranged in a completely randomised design. Measurements: taken from 10 specimens selected randomly from 10 plants.

Prior Applications and Sales

Country	Year	Status	Name Applied
Japan	1992	granted	'Suntory VP-10'
New Zealand	1996	applied for	'Suntory VP-10'
United States	1994	granted	'Suntory VP-10'

First sold Japan 1993.

Description: **Ian Paananen, Paananen Consulting Pty Ltd,** Central Coast, NSW.

'Sanmarisu' syn **Scarlet Fire**

Application No:95/271 Accepted: 15 Jan 1996.
Applicant: **Suntory Limited,** Osaka, Japan
Agent: **ForBio Plants Pty Ltd,** Somersby, NSW.

Description (Table 31, Figure 26) Plant: spreading to semi-erect, vigorous growing, branching abundant, blooming profuse, perennial herb. Stem: internode length medium, diameter 2mm - 3 mm, anthocyanin present, pubescence medium. Leaf: olive green, opposite, hastate, incisions shallow. Inflorescence: spike. Peduncle: short-medium. Calyx: anthocyanin absent. Flower: upward facing, petals curve outwards, petal colour red (RHS 42A), corolla lobes separate.

Origin Controlled pollination: 'Showtime' x *V. peruviana* wild type, 1989. Breeder: Ryuichi Tachibana, Yamanashi, Japan. Selection criteria: slightly erect and spreading growth habit, abundant branching, many flowers per spike, large flower diameter, vivid petal colour, pest and disease resistance. Propagation: cuttings and micropropagation through many generations.

Comparative Trial Comparators: 'Fox Hunter' (2 forms), 'Red Cascade'. Location: Somersby, NSW Feb 1997 - Apr 1997. Conditions: plants were raised in a standard exotic potting mixture in 200 mm pots in open beds. Trial design: plants arranged in a completely randomised design. Measurements: taken on 10 random specimens from 10 plants.

Prior Applications and Sales

Country	Year	Status	Name Applied
Japan	1992	granted	'Sunmarisu'
New Zealand	1996	applied	'Suntory VP-13'
USA	1994	granted	'Suntory VP-13'

First sold Japan, 1993.

Description: **Ian Paananen, Paananen Consulting Pty Ltd,** Central Coast, NSW.

Table 31 *Verbena* varieties

Flower colour group	**Red**				**Pink - Deep purple group**										
Variety	**'Sanma-risu'**	***'#1 Fox Hunter'**	***'2 Fox Hunter'**	***'Red Cas-cade'**	**'Sunma-ripi'**	**'Suntory TP-P'**	**'Suntory TP-L'**	**'Suntory TP-W'**	**Suntory TP-V'**	***'Peru-viana Pink'**	***'Aphro-dite'**	***'Hec-tor'**	***'Cup-ido'**	***'Erinoi-des Deep purple**	***'Imagin-ation'**
PLANT HEIGHT (mm) LSD (P≤0.01) = 20.1															
mean	102.6efghi	63.01mn	48.3	46.7n	86.9ghijkl	103.5defghi	86.9ghijkl	69.9jklmn	79.9ijkl	187.8a	85.9hijkl	88.8fghijkl	158.7b	203.6a	134.1
std dev	14.4	16.3	11.8	10.0	19.5	14.5	19.5	5.6	9.8	17.6	13.4	10.8	20.0	39.2	20.0
MAIN STEM LENGTH (cm) LSD(P≤0.01) =4.0															
mean	45.8bcd	24.6m	48.4abc	47.4abc	36.4	31.0kl	39.1fghi	51.3a	30.4l	38.8ghi	44.9cd	41.6defgh	35.5ijk	33.8jkl	39.9efghi
std dev	3.2	3.6	3.3	6.6	4.2	1.4	2.0	3.5	3.8	3.8	4.2	1.8	2.5	3.1	2.6
INTERNODE LENGTH (mm) LSD(P≤0.01) = 8.4															
mean	54.4abcde	23.5k	33.8ghijk	26.6ijk	40.6fgh	31.4hijk	47.2ef	48.8def	26.3jk	55.9abcde	58.3abcde	56.1abcde	64.9a	50.0cdef	52.3bcde
std dev	7.7	5.6	3.3	6.1	7.4	4.7	4.5	5.3	7.7	9.8	10.1	11.3	9.4	cdef	6.0
LEAF LENGTH (mm) LSD(P≤0.01) = 6.6															
mean	31.8ghij	17.8o	20.1mno	19.0no	34.3cdefghij	30.4hijk	25.2jklmno	29.2ijkl	33.4defghij	32.2fghij	21.6lmno	22.6klmno	41.6b	33.0efghij	48.8a
std dev	6.5	1.6	3.4	3.0	6.5	6.6	3.2	5.5	5.6	3.3	3.8	4.3	8.0	2.8	12.6
LEAF WIDTH (mm) LSD(P≤0.01) = 6.5															
mean	25.3 hijklmn	15.6 o	17.7 mno	16.3 no	24.4 jklmno	27.7 efghijkl	21.1 lmno	26.7 fghijklm	33.2 bcdefghijk	24.2 klmn	24.6 ijklmno	26.1 ghijklm	31.8 cdefghijk	29.5 defghijkl	43.8 a
std dev	5.2	2.1	2.9	2.8	3.2	7.7	2.5	7.5	7.7	3.4	3.4	6.4	7.5	4.5	10.6
SPIKE LENGTH (mm) LSD(P≤0.01) = 11.7															
mean	49.4 ghijklmn	28.3 o	44.1 klmn	34.7 no	44.7 jklmn	61.5 efgh	52.6 fghijklm	47.1 hijklm	41.1 lmno	38.8 mno	77.1 d	108.6 a	45.8 ijklmn	85.4 cd	89.2 bcd
std dev	7.3	5.0	8.0	7.9	4.9	11.9	5.7	12.0	6.2	4.6	10.1	21.6	4.8	12.8	14.8

Table 31 (continued)

SPIKE WIDTH (mm) LSD(P≤0.01) = 3.2															
mean	50.3	33.4	40.0	37.5	41.5	40.1	33.8	41.4	37.8	35.5	29.2	30.2	42.4	30.7	26.7
	a	klm	fgh	hij	cdefgh	efgh	jklm	defgh	ghi	ijk	no	mno	bcdef	lmn	o
std dev	4.8	3.4	2.4	3.0	4.4	2.2	1.6	2.1	1.7	2.0	1.8	1.8	4.1	1.8	2.0
FLOWER NUMBER PER INFLORESCENCE LSD(P≤0.01)= 9.8															
mean	37.7ijkl	24.5n	29.0lmn	27.5mn	33.3klmn	74.6cd	44.4fghijk	43.1ghijk	54.7hijk	37.2klmn	90.1a	85.0abc	52.6efgh	67.0d	76.2bcd
std dev	4.3	5.0	4.2	4.4	4.3	13.5	2.4	10.8	7.4	4.7	14.6	14.0	5.5	7.6	11.3
PEDUNCLE LENGTH (mm) LSD(P≤0.01) = 13.3															
mean	46.7abcedefg	23.4ijk	42.9bcdefgh	40.6efghij	25.8hijk	32.4ghijk	40.7cdefghij	39.3efghij	19.7k	57.0abcde	22.4jk	35.0fghijk	60.9a	53.4abcde	63.7a
std dev	11.8	7.6	8.5	9.4	8.6	4.0	11.4	13.9	5.2	10.7	8.7	13.7	20.0	13.4	16.9
COROLLA DIAMETER (mm) LSD(P≤0.01) = 1.1															
mean	18.2a	13.1jkl	15.6def	13.6ij	16.7cdef	15.5ef	13.7hij	16.7cdef	15.4f	12.1klm	10.3no	10.9mno	13.9ghij	9.7o	11.9lm
std dev	1.0	0.8	0.9	1.0	1.9	0.5	0.8	0.8	0.8	0.7	0.8	0.9	1.1	0.8	1.1
COROLLA TUBE LENGTH (mm) LSD(P≤0.01) = 0.8															
mean	18.9a	13.4jklmno	15.4defg	15.0fgh	18.0b	14.7ghi	13.2klmno	15.2efgh	13.9ijk	14.2hij	12.3o	12.5mno	16.2	12.8lmno	12.4no
std dev	0.3	0.5	0.3	1.0	1.2	0.4	0.5	1.0	0.6	0.9	0.6	0.4	0.8	0.9	0.6
COROLLA COLOUR (RHS)															
main flower															
	42A	45B	45B	45B	74B-74C	73B	82C	85D	82A	58B & erratic edge	82A	82A	81A 88A edge	81A &	81A
centre/throat															
	-	-	-	-	-	74A	155B	155B	-	-	155B	155B	-	57C	78C
CALYX LENGH (mm) LSD(P≤0.01) = 0.6															
mean	10.0jl	10.8defghij	10.7efghij	10.8cdefghij	11.7b	10.1ijkl	8.8mno	10.2hij	9.3lm	10.5ghij	8.3no	8.3o	10.6fghij	10.0ghij	9.3klm
std dev	0.6	0.4	0.4	0.5	0.7	0.3	0.5	0.7	0.6	0.4	0.3	0.4	0.7	0.6	0.6

Mean values followed by the same letter are not significantly different at P(0.01 according to Student-Newman-Keuls test.

'Suntory TP-L' syn **Lilac Reflections**

Application No: 95/244 Accepted: 30 Oct 1995 .
Applicant: **Suntory Limited,** Osaka, Japan.
Agent: **ForBio Plants Pty Ltd,** Somersby, NSW.

Description (Table 31, Figure 25) Plant: spreading, vigorous growing, abundant branching, profuse blooming, perennial herb. Stem: internode length medium, diameter 2mm to 3 mm, anthocyanin present, pubescence sparse. Leaf: yellow-green, opposite, bipinnatisect, incisions deep, lobes angled outwards. Inflorescence: spike. Peduncle: short-medium. Calyx: anthocyanin present. Flower: upward facing, petals curve slightly outwards, petal colour purple-violet (RHS 82C), eye white (RHS 155B), corolla lobes separate.

Origin Controlled pollination: ['Rainbow Carpet Bright Purple' x Brazilian wild type] x *V. tenera,* 1988. Breeders: Ryuichi Tachibana, Yuji Tamura, Ushio Sakazaki, Yamanashi, Japan. Selection criteria: spreading growth habit, abundant branching, many flowers per spike. Propagation: cuttings and micropropagation through many generations.

Comparative Trial Comparators: 'Hector', 'Aphrodite'. Location: Somersby, NSW Feb 1997 - Apr 1997. Conditions: plants were raised in a standard exotic potting mixture in 200 mm pots in open beds. Trial design: plants arranged in a completely randomised design. Measurements: taken from 10 specimens selected randomly from 10 plants.

Prior Applications and Sales

Country	Year	Status	Name Applied
Germany	1994	granted	'Sunver'
Denmark	1994	granted	'Sunver'
Israel	1994	applied	'Sunver'
Netherlands	1994	granted	'Sunver'
Japan	1991	granted	'Suntory TP-L'
New Zealand	1996	applied	'Sunver'
Belgium	1994	granted	'Sunver'
France	1994	granted	'Sunver'
United States	1994	granted	'Sunmaref TP-L'

First sold Japan, 1992.

Description: **Ian Paananen, Paananen Consulting Pty Ltd,** Central Coast, NSW.

'Suntory TP-P' syn **Pink Passion**

Application No: 95/243 Accepted: 30 Oct 1995 .
Applicant: **Suntory Limited,** Osaka, Japan
Agent: **ForBio Plants Pty Ltd,** Somersby, NSW.

Description (Table 31, Figure 25) Plant: spreading, vigorous growing, abundant branching, profuse blooming, perennial herb. Stem: internode length short-medium, diameter 2mm to 3 mm, anthocyanin absent, pubescence medium. Leaf: yellow-green, opposite, bipinnatisect, incisions deep, lobes angled outwards. Inflorescence: spike. Peduncle: short. Calyx: anthocyanin present. Flower: upward facing, petals curve slightly outwards, petal colour red-purple (RHS 73B), eye zone red-purple (RHS 74A), corolla lobes separate.

Origin Controlled pollination: ['Rainbow Carpet Bright Purple' x Brazilian wild type] x Rainbow Carpet Red, 1988. Breeders: Ryuichi Tachibana, Yuji Tamura, Ushio Sakazaki, Yamanashi, Japan. Selection criteria: spreading growth habit, abundant branching, many flowers per spike. Propagation: cuttings and micropropagation through many generations.

Comparative Trial Comparator: *V. peruviana* 'Pink'. Location: Somersby, NSW Feb 1997 - Apr 1997. Conditions: plants were raised in a standard exotic potting mixture in 200 mm pots in open beds. Trial design: plants arranged in a completely randomised design. Measurements: taken from 10 specimens selected randomly from 10 plants.

Prior Applications and Sales

Country	Year	Status	Name Applied
Germany	1994	granted	'Sunvil'
Denmark	1994	granted	'Sunvil'
Israel	1994	applied	'Sunvil'
Netherlands	1994	granted	'Sunvil'
Japan	1991	granted	'Suntory TP-P'
New Zealand	1996	applied	'Sunvil'
Belgium	1994	granted	'Sunvil'
France	1994	granted	'Sunvil'
United States	1994	granted	'Sunmaref TP-P'

First sold Japan, 1992.

Description: **Ian Paananen, Paananen Consulting Pty Ltd,** Central Coast, NSW.

'Suntory TP-V' syn **Purple Passion**

Application No: 95/245 Accepted: 30 Oct 1995 .
Applicant: **Suntory Limited,** Osaka, Japan
Agent: **ForBio Plants Pty Ltd,** Somersby, NSW.

Description (Table 31, Figure 25) Plant: spreading, vigorous growing, abundant branching, profuse blooming, perennial herb. Stem: internode length short-medium, diameter 1.5mm - 2.5 mm, anthocyanin absent, medium pubescence. Leaf: yellow-green, opposite, bipinnatisect, deep incisions, lobes angled outwards. Inflorescence: spike. Peduncle: short. Calyx: anthocyanin present. Flower: upward facing, petals curve slightly outwards, petal colour purple-violet (RHS 82A), corolla lobes separate.

Origin Controlled pollination: 'Rainbow Carpet Bright Purple' x Brazilian wild type, 1988. Breeders: Ryuichi Tachibana, Yuji Tamura, Ushio Sakazaki, Yamanashi, Japan. Selection Criteria: spreading growth habit, abundant branching, many flowers per spike. Propagation: cuttings and micropropagation through many generations.

Comparative Trial Comparators: 'Imagination', 'Cupido', *V. erinoides* 'Deep purple'. Location: Somersby, NSW Feb 1997 - Apr 1997. Conditions: plants were raised in a standard exotic potting mixture in 200 mm pots in open beds. Trial design: plants arranged in a completely randomised design. Measurements: taken from 10 specimens selected randomly from 10 plants.

Prior Applications and Sales

Country	Year	Status	Name Applied
Germany	1994	granted	'Sunvop'
Denmark	1994	granted	'Sunvop'
Israel	1994	applied	'Sunvop'
Netherlands	1994	granted	'Sunvop'
Japan	1991	granted	'Suntory TP-V'
New Zealand	1996	applied	'Sunvop'
Belgium	1994	granted	'Sunvop'
France	1994	granted	'Sunvop'
United States	1995	granted	'Sunmaref TP-V'

First sold Japan, 1993.

Description: **Ian Paananen, Paananen Consulting Pty Ltd,** Central Coast, NSW.

'Suntory TP-W' syn White Lightning

Application No: 95/246 Accepted: 30 Oct 1995.
Applicant: **Suntory Limited,** Osaka, Japan
Agent: **ForBio Plants Pty Ltd,** Somersby, NSW.

Description (Table 31, Figure 25) Plant: spreading, vigorous growing, branching abundant, blooming profuse, perennial herb. Stem: internode length medium, diameter 2mm - 3 mm, anthocyanin absent, pubescence medium. Leaf: yellow-green, opposite, bipinnatisect, deep incisions, lobes angled outwards. Inflorescence: spike. Peduncle: short - medium. Calyx: anthocyanin present. Flower: upward facing, petals curve slightly outwards, petal colour violet (RHS 85D), eye zone white (RHS 155B), corolla lobes separate.

Origin Controlled pollination: 'Rainbow Carpet White' x Brazilian wild type, 1988. Breeders: Ryuichi Tachibana, Yuji Tamura, Ushio Sakazaki, Yamanashi, Japan. Selection Criteria: spreading growth habit, abundant branching, many flowers per spike. Propagation: cuttings and micropropagation through many generations.

Comparative Trial Comparators: 'Pink Passion', 'Lilac Reflections', 'Purple Passion'. Location: Somersby, NSW Feb 1997 - Apr 1997. Conditions: plants were raised in a standard exotic potting mixture in 200 mm pots in open beds. Trial design: plants arranged in a completely randomised design. Measurements: taken from 10 specimens selected randomly from 10 plants.

Prior Applications and Sales

Country	Year	Status	Name Applied
Germany	1994	granted	'Sunvat'
Denmark	1994	granted	'Sunvat'
Israel	1994	applied	'Sunvat'
Netherlands	1994	granted	'Sunvat'
Japan	1991	granted	'Suntory TP-W'
New Zealand	1996	applied	'Sunvat'
Belgium	1994	granted	'Sunvat'
France	1994	granted	'Sunvat'
United States	1994	granted	'Sunmaref TP-W'

First sold Japan, 1992.

Description: **Ian Paananen, Paananen Consulting Pty Ltd,** Central Coast, NSW.

WHEAT
Triticum aestivum

'Arnhem' syn QT4299

Application No: 96/180 Accepted: 27 Aug 1996.
Applicant: **The State of Queensland through its Department of Primary Industries,** Brisbane, QLD.

Description (Tables 32 & 33, Figure 46) Plant: spring wheat, habit semi erect during tillering, height medium, maturity early. Stem: pith thin, neck glaucosity medium. Leaf: flag leaf very highly recurved, ligule anthocyanin absent or very weak, sheath glaucosity medium, blade glaucosity weak. Ear: density medium, length long, shape in profile parallel sided, colour white, glaucosity medium, awns present and length medium, hairs on convex surface of apical rachis segment absent or very weak. Floret: lower glume beak length medium, shoulder narrow and slightly sloping, extent of internal hairs medium; lowest lemma beak slightly curved. Grain: white and hard. Disease resistance: resistant to stem rust (*Sr2*, *Sr30*) and leaf rust (*Lr1, Lr13*, *LrAPR*), moderately resistant to stripe rust (*Yr6, Yr7*, *Yr*APR). Grain quality: has bands 2+12 for the high molecular weight glutenin locus Glu-1D (distinct from comparator).

Origin Controlled pollination: 'Pitic 62'/2 x 'Hartog', 1981; selected through 11 generations, comprising pedigree selection, field performance testing, and milling, baking quality and disease resistance evaluation. Breeder: PS Brennan, Department of Primary Industries, Toowoomba, QLD. Selection criteria: high yield, good agronomic characteristics, high disease resistance, and good milling and baking quality. Propagation: seed produced by self-pollination through at least two generations.

Comparative Trial Comparator: 'Hartog'. Location: Wellcamp Farm, Wellcamp, Jondaryan shire, QLD, Jul 1996 - Nov 1996. Conditions: plants were raised in well fertilised, irrigated soil in open beds. Trial design: plots of approximately 1500 plants each, arranged in a randomised block with two replications, Measurements: taken from 10 specimens selected at random from each plot; electrophoretic bands of high molecular weight glutenins were determined on each of 10 seeds from each of two generations of 'Arnhem', and on each of 20 seeds of 'Hartog'.

Prior Applications and Sales Nil.

Description: **Tony Done, Queensland Wheat Research Institute,** Toowoomba, QLD.

Table 33 ***Triticum*** **varieties**

	'Arnhem'	* 'Hartog'
ELECTROPHORETIC BANDS (Glu-1D locus)		
	2+12	5+10

DESCRIPTIONS

Table 32 *Triticum* varieties

	'Kennedy'	'Sturt'	'Arnhem'	'Mawson'	'QT5793'	*'Ford'	*'Hartog'	*'Batavia'
PLANT growth habit	semi-erect	semi-erect to intermediate	semi-erect	semi-erect to intermediate	semi-erect	semi-erect to intermediate	semi-erect	semi-erect to intermediate
PLANT LENGTH (cm) LSD(P≤0.01) = 5.6								
mean	80.0a	80.0a	90.0b	121.0c	93.0b	132.0d	90.0b	91.0b
std deviation	2.72	4.33	4.96	6.01	4.11	4.77	2.36	3.95
LIGULE ANTHOCYANIN	absent or very weak	absent or very weak to weak	absent or very weak	absent or very weak	absent or very weak	absent or very weak	absent or very weak	strong
FLAG LEAF ATTITUDE	very strongly recurved	very strongly recurved	very strongly recurved	strongly recurved	very strongly recurved	very strongly recurved	very strongly recurved	very strongly recurved
STRAW PITH THICKNESS	thin	thin to medium	thin	thin	thin	thin	thin	thin
CULM GLAUCOSITY	medium	weak	medium	weak	medium	weak	medium	medium
LEAF GLAUCOSITY	medium	weak	weak	weak	weak	medium	weak	weak
LEAF SHEATH GLAUCOSITY	strong	medium	medium	weak	strong	weak	strong	medium to strong
MATURITY GROWTH STAGE CODE (2 Oct 1996, 91 days after planting)	56	49	65	40	59	40	59	45
MATURITY GROWTH STAGE CODE (9 Oct 1996, 98 days after planting)	69	65	75	45	69	45	72	60

Table 32 (continued)

EAR LENGTH (cm) LSD(P≤0.01) = 1.1								
mean	11.3bc	10.5a	12.2c	12.9c	11.2bc	14.2d	11.8c	12.3c
std deviation	0.51	0.77	0.93	0.75	0.39	1.03	0.72	0.59
EAR								
density	medium	medium	medium	lax	medium	lax	medium	medium
presence of awns and or scurs								
	awns present	awns present	awns present	both absent	awns present	scurs present	awns present	awns present
presence of rachis hairs								
	absent or weak	weak	absent or weak	absent or weak	absent or weak	weak to medium	absent or weak	absent or weak
AWN LENGTH								
	short	medium	medium	not applicable	medium	short	medium	long
GLUME								
width	medium	absent or very narrow	narrow	broad to very broad	narrow to medium	broad to very broad	narrow to medium	absent or very narrow
shape	slightly sloping	sloping	slightly sloping	straight	slightly sloping	straight	slightly sloping	sloping
beak length	long	medium	medium	short	long	very short	medium	medium
beak shape	slightly curved	slightly curved	straight	straight	straight	straight	slightly curved	slightly curved
hairs	strong	medium	medium	weak	medium	strong	medium	medium
LEMMA BEAK SHAPE								
	straight	slightly curved	slightly curved	slightly curved	straight	strongly curved	slightly curved	straight to slightly curved

'Kennedy' syn QT6063

Application No: 96 /209 Accepted: 11 Oct 1996.
Applicant: **The State for Queensland through its Department of Primary Industries,** Brisbane, QLD.

Description (Tables 32 & 34, Figure 44) Plant: spring wheat, habit semi erect during tillering, height medium (shorter than comparators), maturity early. Stem: pith thin, neck glaucosity medium. Leaf: flag leaf very highly recurved, ligule anthocyanin absent or very weak, sheath glaucosity strong, blade glaucosity medium. Ear: density medium, length long, shape in profile parallel sided, colour white, glaucosity medium, awns present and short, hairs on convex surface of apical rachis segment absent or very weak. Floret: lower glume beak long, shoulder medium width and slightly sloping, extent of internal hairs strong; lowest lemma beak straight. Grain: white and hard. Disease resistance: resistant to stem (*Sr2*, *Sr9g, Sr30*) and leaf (*Lr1, Lr13*) rusts, moderately resistant to stripe rust (*Yr6, Yr7, Yr*APR), highly tolerant to root lesion nematode (RLN, *Pratylenchus thorneii*), moderately susceptible to yellow spot (*Pyrenophora tritici-repentis*, distinct from comparators).

Origin Controlled pollination: 'Veery #5' x 'Hartog', 1984; selected through 8 generations, comprising pedigree selection, field performance testing, and milling, baking quality and disease resistance evaluation. Breeder: PS Brennan, Department of Primary Industries, Toowoomba, QLD. Selection criteria: high yield, good agronomic characteristics, high disease resistance, high RLN tolerance, and good milling and baking quality. Propagation: seed produced by self-pollination through at least two generations.

Comparative Trial Comparators: 'QT5793', 'Hartog'. Location: Wellcamp Farm, Wellcamp, Jondaryan Shire, QLD, Jul 1996 - Nov 1996. Conditions: plants were raised in well fertilised, irrigated soil in open beds. Trial design: plots of approximately 1500 plants each, arranged in a randomised block with two replications, Measurements: taken from 10 specimens selected at random from each plot; 50 seedlings of each of two generations of 'QT5793' and 'Kennedy' and 20 seedlings of their comparator 'Hartog' were grown in pots in two replications of a randomised block design in growth rooms, inoculated with yellow spot and evaluated for subsequent severity of yellow spot infection, Mar 1997.

Description: **Tony Done, Queensland Wheat Research Institute,** Toowoomba, QLD.

Table 34 *Triticum* varieties

	'Kennedy'	'QT5793'	* 'Hartog'
YELLOW SPOT RESPONSE TEST IN SEEDLING (1 = resistant, 10 = very susceptible)			
mean	6.8	3.5	8.1
std deviation	0.25	0.15	0.25
LSD/sig	0.18[1]	P≤0.01	P≤0.01

1 Compared with 'Hartog'

'Mawson' syn QT7274

Application No: 96 /179 Accepted:. 27 Aug 1996.
Applicant: **The State of Queensland through its Department of Primary Industries,** Brisbane, QLD.

Description (Tables 32 & 35, Figure 45) Plant: spring wheat, habit semi erect to intermediate during tillering, height tall, maturity very late. Stem: pith thin, neck glaucosity weak to medium. Leaf: flag leaf highly recurved, ligule anthocyanin absent or very weak to weak, sheath glaucosity weak, blade glaucosity weak. Ear: density lax, length long, shape in profile parallel sided, colour white, glaucosity medium, awns and scurs absent, hairs on convex surface of apical rachis segment absent or very weak. Floret: lower glume beak short, shoulder broad to very broad and straight, extent of internal hairs weak; lowest lemma beak slightly curved. Grain: white and soft. Disease resistance: resistant to stem (*Sr31*) and leaf (*Lr26*) rusts and stripe rust (*Yr9*) (distinct from comparator for rust resistance).

Origin Controlled pollination: 'Veery #5'/3 x 'Ford' 1989; selected through 8 generations, comprising pedigree selection and disease resistance evaluation. Breeders: D The, University of Sydney, Plant Breeding Institute, Cobbitty, NSW and PS Brennan, Department of Primary Industries, Toowoomba, QLD. Selection criteria: very late maturity and high rust resistance. Propagation: seed produced by self-pollination through at least two generations.

Comparative Trial Comparator: 'Ford'. Location: Wellcamp Farm, Wellcamp, Jondaryan Shire, QLD Jul 1996 - Nov 1996. Conditions: plants were raised in well fertilised, irrigated soil in open beds. Trial design: plots of approximately 1500 plants each, arranged in a randomised block with two replications, Measurements: taken from 10 specimens selected at random from each plot; reaction to a mixture of stem and leaf rust races was determined on each of 40 seedlings of each of two generations of 'Mawson', and on each of 20 seedlings of 'Ford', grown in pots in a glasshouse test in a randomised block design with two replications, Mar 1997.

Prior Applications and Sales Nil.

Description: **Tony Done, Queensland Wheat Research Institute,** Toowoomba, QLD.

Table 35 *Triticum* varieties

	'Mawson'	* 'Ford'
REACTION OF SEEDLINGS TO A MIXTURE OF LEAF RUST (Races 104 - 1, 2, 3, 6, (7), 11 and 68 - 1, 2, 3, 4) AND STEM RUST (Races 343 - 1, 2, 3, 4, 5, 6 and 34 - 2, 4, 5, 11). (0 = resistant, 4 = highly susceptible)		
mean	1.8	3.4
std deviation	0.16	0.30
LSD/sig	0.16	P≤0.01

'QT5793'

Application No: 96 /178 Accepted: 27 Aug 1996.
Applicant: **The State of Queensland through its Department of Primary Industries,** Brisbane, QLD.

Description (Tables 32 & 34, Figure 44) Plant: spring wheat, habit semi erect during tillering, height medium, maturity early. Stem: pith thin, neck glaucosity medium. Leaf: flag leaf very highly recurved, ligule anthocyanin absent or very weak, sheath glaucosity strong, blade glaucosity weak. Ear: density medium, length long, shape in profile parallel sided, colour white, glaucosity medium, awns present and of medium length, hairs on convex surface of apical rachis segment absent or very weak. Floret: lower glume beak long, shoulder narrow to medium, lower glume and slightly sloping, extent of internal hairs medium; lowest lemma beak straight. Grain: white and hard. Disease resistance: resistant to stem (*Sr2, Sr9g* (heterogeneous), *Sr30,*), leaf (*Lr1, Lr13, LrAPR*) rusts and stripe rust (*Yr6*, *Yr7* (heterogeneous), *SrAPR*), moderately resistant to yellow spot (*Pyrenophora tritici-repentis*) (distinct from comparator).

Origin Controlled pollination: 'CNT2'/4 x 'Hartog', initial cross 1984, last cross 1987; selected through 13 generations, comprising four cycles of crossing, screening and selection for yellow spot resistance, followed by pedigree selection, field performance testing, and disease resistance, milling and baking quality evaluation. Breeders: RG Rees and RL Eisemann, Department of Primary Industries, Toowoomba, QLD. Selection criteria: high yield, good agronomic characteristics, high disease resistance including moderate yellow spot resistance. Propagation: seed produced by self-pollination through at least two generations.

Comparative Trial Comparator: 'Hartog'. Location: Wellcamp Farm, Wellcamp, Jondaryan Shire, QLD, Jul 1996 - Nov 1996. Conditions: plants were raised in well fertilised, irrigated soil in open beds. Trial design: plots of approximately 1500 plants each, arranged in a randomised block with two replications, Measurements: taken from 10 specimens selected at random from each plot; 50 seedlings of each of two generations of 'QT5793' and 20 seedlings of 'Hartog' were grown in pots in two replications of a randomised block design in growth rooms, inoculated with yellow spot and evaluated for subsequent severity of yellow spot infection, Mar 1997.

Prior Applications and Sales Nil.

Description: **Tony Done, Queensland Wheat Research Institute,** Toowoomba, QLD.

'Stiletto' syn RAC680

Application No: 93/240 Accepted: 25 Nov 1993.
Applicant: **Minister for Primary Industries,** Adelaide, SA and **University of Adelaide,** Adelaide, SA.

Description (Table 36, Figure 43) Plant: Australian premium white grade spring wheat, habit semi-erect, height short/medium, maturity medium. Leaf: dark green, auricle anthocyanin colouration weak. Flag leaf sheath glaucosity weak. Stem: straw pith thin, glaucosity of neck weak. Ear: white semi-erect fusiform fully awned, density medium, length medium, rachis hairiness medium. Lower glume: shoulder elevated, width medium, beak long curved, weakly hairy internally. Lowest lemma: beak slightly curved. Grain: white, hard, ovate. Disease resistance: Stem rust resistant gene 'Sr13', stripe rust resistant gene 'Yr6' (ineffective in Australia), moderately resistant to Flag smut and Bunt. Soil boron toxicity: tolerant.

Origin Controlled pollination: 'Veranopolis'/3* 'RAC177'/2/3*'Spear'/3/'Dagger' - backcrossing and selection for stem rust resistance. Breeder: Gil Hollamby, Roseworthy Campus, The University of Adelaide, SA with assistance from the National Rust Control Program, The University of Sydney, Cobbitty, NSW. Propagation: seed through six generations of selection in SA for yield, adaptation and quality.

Comparative Trial Comparators: 'Spear', 'Dagger', 'Trident'. Location: Roseworthy SA, May 1995 - Jan 1996. Conditions: plants were sown using plot seeding equipment into a mallee soil with adequate fertiliser, representative seasonal conditions. Trial design: Randomised complete block of three blocks, plots six rows 18cm apart 5m long, approximately 1000 plants per plot. Measurements: 20 random plants per plot for descriptors. Rust reactions: measured at the National Rust Control Program, The University of Sydney. Grain quality: measurements made on grain samples from 23 evaluation trials over three years. DNA analyses: performed on pure seed lots housed at the Australian Winter Cereals Collection, Tamworth NSW by The University of Adelaide, SA.

Prior Applications and Sales: Nil.

Description**: Gil Hollamby, Roseworthy Campus, The University of Adelaide,** Roseworthy, SA.

Table 36 *Triticum* varieties

		'Stiletto'	*'Spear'	*'Trident'	*'Dagger'
DAYS TO HEADING (Roseworthy, SA 1995) -from 31 Aug (plot basis)					
		23.0	24.0	20.8	24.0
STEM RUST REACTION (infection type)					
Pathotype 34-1,2,3,4,5,6,7					
		2=	3+	X=	
Pathotype 34-1,2,3,4,5,6,7					
		;1-	3+	X=	
PROTEIN SUBUNITS (bands)					
Locus	GluA1	1	1	1	1
	GluB1	7+9	7+9	7+9	7+9
	GluD1	5+10	5+10	5+10	5+10
	GluB3	h	h	h	h
	GluD3	c	c	c	c
	GliA1	m	m	f	b
FLOUR YIELD (%)					
mean		73.3	72.6	71.8	not tested
LSD/sig, paired		0.5	0.7		
Comparisons with 'Stiletto'			33	20	

FLOUR EXTENSIBILITY (cm/unit protein)				
mean	1.71	1.68	1.62	not tested
LSD/sig, paired t		ns	0.06	
Comparisons with 'Stiletto'			33	20

DNA ANALYSIS (fragment size, or null = absent)				
RFLP probe CDO347				
Enzyme HindIII	8.8kbp	null	(Trident	(Dagger
RFLP probe CDO506			not tested)	not tested)
Enzyme HindIII	5kbp	null		
"	3.5kbp	null		
Enzyme DraI	5.5kbp	null		
Enzyme EcoRV				
	6kbp	null		
RFLP probe CDO595				
Enzyme DraI	9.8kbp	null		
RFLP probe PSR911				
Enzyme EcoRV				
	10kbp	<10kbp		
Enzyme HindIII				
	9kbp	<9kbp		

'Sturt' syn QT6285

Application No: 96 /208 Accepted: 11 Oct 1996.
Applicant: **The State of Queensland through its Department of Primary Industries,** Brisbane, QLD.

Description (Tables 32 & 37, Figure 47) Plant: spring wheat, habit semi erect to intermediate during tillering, height medium, maturity late. Stem: pith thin to medium, neck glaucosity weak. Leaf: flag leaf very highly recurved, ligule anthocyanin absent or very weak to weak (distinct from comparator), sheath glaucosity medium, blade glaucosity weak. Ear: density medium, length long (10.5 cm), shape in profile parallel sided, colour white, glaucosity weak, awns present and medium length, hairs on convex surface of apical rachis segment weak. Floret: lower glume beak medium length, shoulder absent or very weak and sloping, extent of internal hairs medium; lowest lemma beak slightly curved. Grain: white and hard. Disease resistance: resistant to stem rust (*Sr24*), leaf rust (*Lr24*) and stripe rust (*YrA, YrAPR*); highly tolerant to very highly tolerant to root lesion nematode (RLN, *Pratylenchus thorneii*) (more tolerant than comparator).

Origin Controlled pollination: 'Moulin'/2 x 'QT3308'[1], 1985; selected through 8 generations, comprising pedigree selection, field performance testing, and milling, baking quality and disease resistance evaluation. Breeders: PS Brennan and PM Banks, Department of Primary Industries, Toowoomba, QLD. Selection criteria: high yield, good agronomic characteristics, high disease resistance and high RLN tolerance. Propagation: seed produced by self-pollination through at least two generations.

1 QT3308 is an inbred line, pedigree '3Ag14'///4 x 'Condor'//'Oxley'/3 x 'Cook'.

Comparative Trial Comparator: 'Batavia'. Location: Wellcamp Farm, Wellcamp, Jondaryan Shire, QLD, Jul 1996 - Nov 1996. Conditions: plants were raised in well fertilised, irrigated soil in open beds. Trial design: Plots of approximately 1500 plants each, arranged in a randomised block with two replications, Measurements: taken from 10 specimens selected at random from each plot. Grain yield measurements, and visual assessments of RLN tolerance were made in three trials at a site heavily infected with RLN at 'Tangalooma', Formartin, QLD, Jun 1995 - Nov 1995 and May 1996 - Nov 1996.

Prior Applications and Sales Nil.

Description: **Tony Done, Queensland Wheat Research Institute,** Toowoomba, QLD.

Table 37 *Triticum* varieties

	'Sturt'	* 'Batavia'
ANTHOCYANIN COLOURATION OF FLAG LEAF AURICLES	absent or very weak	strong
ROOT LESION NEMATODE TOLERANCE (6 = very tolerant, 1 = very susceptible)		
mean	4.3	3.2

WHITE CLOVER
Trifolium repens

'Waverley'

Application No: 95/020 Accepted: 24 Jan 1995.
Applicant: **SA Seedgrowers Co-operative Ltd,** Hilton SA.

Description (Table 38, Figure 50) Plant: upright, vigorous winter-active white clover. Leaf: large, predominantly green, less than 5% of leaves carry leaf marking. Central leaflet: length 28.2mm, width 26.4mm, petiole length 249mm, diameter 2.0 mm. Stolon: thickness 3.0mm. Inflorescence: carried on upright stiff peduncles.

Origin Mass selection: in long-established stands originally sown to winter-active varieties of white clover, 1989 followed by recurrent selection. Breeder: Dr RW Downes, Canberra, ACT 1989 - 1993. Selection criteria: vigour in autumn, winter and spring, resistance to grazing pressure, rapid recovery from cutting and grazing, leafy growth habit, high seed production and absence of virus and fungal diseases. Propagation through 4 generations by seed.

Comparative Trial Comparators: 'Tamar', 'Haifa', 'Irrigation White'. Location: Bordertown and Adelaide, SA Jun 1994 - Dec 1996. Conditions: plants were raised in soil in open beds and in pots. Trial design: plants arranged in randomised complete blocks of 12 plants in 5 replicates in open soil and 6 reps of 10 plants in pots in the glasshouse. Measurements: taken from 60 specimens. The field-grown plants were adversely affected by herbicides. Consequently field data were discarded and glasshouse data were used in these analyses.

Prior Applications and Sales

First sold Australia 1995.

Description: **Dr Ross Downes,** Canberra, ACT.

Table 38 *Trifolium* varieties

	'Waverley'	* 'Haifa'	*'Tamar'	*'Irrigation White'
STOLON WIDTH (mm)				
mean	3.03	2.67	2.91	2.44
std deviation	0.34	0.39	0.40	0.42
LSD/sig	0.17	P≤0.01	ns	P≤0.01
PERCENTAGE OF PLANTS WITH NO LEAF MARKS				
	96%	4%	2%	2%
LEAFLET LENGTH (mm) -of central leaflet:				
mean	28.0	18.0	27.9	20.6
std deviation	4.5	3.4	5.0	3.9
LSD/sig	1.8	P≤0.01	ns	P≤0.01
LEAFLET WIDTH (mm) -of central leaflet:				
mean	26.0	18.4	26.5	19.6
std deviation	3.7	3.4	3.9	3.6
LSD/sig	1.6	P≤0.01	ns	P≤0.01
PETIOLE LENGTH (mm)				
mean	249.2	138.1	221.7	176.2
std deviation	61.3	55.6	61.0	57.4
LSD/sig	25.7	P≤0.01	P≤0.01	P≤0.01
PETIOLE THICKNESS (mm)				
mean	1.98	1.46	2.24	1.43
std deviation	0.22	0.40	0.47	0.42
LSD/sig	0.17	P≤0.01	P≤0.01	P≤0.01

YELLOW SERRADELLA
Ornithopus compressus

'Charano' syn 87GEH56

Application No. 97/176 Accepted: 1 Sep 1997.
Applicant: **Co-operative Research Centre for Legumes in Mediterranean Agriculture,** Perth, WA.

Description (Table 39, Figure 51) Plant: annual, self-pollinating, prostrate to semi-erect herb. Stem: long, slender, pubescent. Leaf: imparipinnate, 13 leaflet pairs, long up to 80mm. Leaflet: pubescent, length 9mm - 9.5mm long, width 5.3mm. Flower: 2 per umbel, length 7mm, yellow, 5 - 7 leaflet bract. Pod: slightly curved, length 52mm, 8 segments/seeds, slight constriction between each segment, beak length 8mm. Seed: oblong, 3.7mg, yellow.

Origin Germplasm collection and selection: ecotypes from Mykonos island, Greece 1987 by Drs J Howieson and M Ewing. Breeder: Bradley Nutt, University of WA, Nedlands, WA. Selection criteria: agronomic performance at various experimental sites in south west WA, harvestability and ease of dehulling, high level of hardseed, tolerance to aphids and red-legged earthmite, tolerance to high levels of active aluminium in subsoils. Propagation: breed seed produced at Medina, WA 1995 and pre-basic seed at Tooday, WA 1996.

Comparative Trial Comparators: 'Paros', 'Madeira', 'Elgara', 'Santorini'. Location: Medina, WA May 1996 - Dec 1996. Conditions: seed was sown direct into cells 75cm apart, cut into plastic mulch; the trial was given supplemental irrigation in spring. Trial design: 60 plants arranged in a randomised block design with four replicates. Measurements: taken from all plants.

Prior Applications and Sales Nil.

Description: **Bradley Nutt, University of Western Australia,** Nedlands, W.A.

Table 39 *Ornithopus* varieties

	'Charano'	*'Paros'	*'Madeira'	*'Elgara'	*'Santorini'
GROWTH HABIT AT FLOWERING (1 = prostrate, 9 = erect)					
	6	2	7	7	6
LEAFLET NUMBER PER LEAF					
mean	27	29	31	32	33
std deviation	2.0	1.0	1.0	1.0	2.0
LSD/sig	1.0	ns	P≤0.01	P≤0.01	P≤0.01

DAYS TO FIRST OPEN FLOWERS					
mean	98	98	112	109	108
std deviation	2.0	1.0	1.0	3.0	1.0
LSD/sig	3.0	ns	P≤0.01	P≤0.01	P≤0.01
POD LENGTH (mm)					
mean	53.0	54.4	46.2	53.7	50.3
std deviation	0.8	1.3	1.6	0.3	2.0
LSD/sig	3.3	ns	P≤0.01	ns	ns
POD CURVATURE (pod length/distance between extremities)					
mean	1.30	3.02	2.44	2.33	2.15
std deviation	0.05	0.82	0.35	0.02	0.14
LSD/sig	0.33	P≤0.01	P≤0.01	P≤0.01	P≤0.01
POD SEGMENTATION					
	absent	absent	present	partial	absent
BEAK LENGTH (mm)					
mean	8.1	7.8	6.0	7.0	7.9
std deviation	0.50	0.20	0.40	0.40	0.50
LSD/sig	0.70	ns	P≤0.01	P≤0.01	ns

GRANTS

AGLAONEMA
Aglaonema costatum var *foxii*

'Northern Lightning'Φ
Application No: 93/241 Grantee: **Helmut & Joy Schimmel**, Berrimah NT
Certificate No: 906 Expiry Date: 26 November, 2013

ALSTROEMERIA
Alstroemeria hybrid

'583 JA'Φ
Application No: 96/008 Grantee: **Konst Alstroemeria BV**
Certificate No: 888 Expiry Date: 12 September, 2017
Agent: **Maxiflora Pty Ltd**, Monbulk VIC

'587 B'Φ
Application No: 96/007 Grantee: **Konst Alstroemeria BV**
Certificate No: 924 Expiry Date: 30 September, 2017
Agent: **Maxiflora Pty Ltd**, Monbulk VIC

'Yellow Luna'Φ
Application No: 95/198 Grantee: **Konst Alstroemeria BV**
Certificate No: 895 Expiry Date: 29 September, 2017
Agent: **Maxiflora Pty Ltd**, Monbulk VIC

APPLE
Malus domestica

'Pink Rose'Φ
Application No: 93/140 Grantee: **JA & BM Bowden & Sons Pty Ltd**, Batlow NSW
Certificate No: 894 Expiry Date: 9 June, 2013

AVOCADO
Persea americana

'Gwen'Φ
Application No: 89/084 Grantee: **The Regents of the University of California**
Certificate No: 919 Expiry Date: 10 October, 2009
Agent: **Peter Maxwell and Associates**, Sydney NSW

BANANA
Musa hybrid

'Goldfinger'Φ syn **FHIA-01**Φ
Application No: 95/145 Grantee: **Fundacion Hondurena de Investigacion Agricola (FHIA)**
Certificate No: 907 Expiry Date: 30 September, 2017
Agent: **The State of Queensland through its Department of Primary Industries**, Brisbane QLD

BLUEGRASS
Dichanthium aristatum

'Floren'Φ syn **CPI 106374**Φ
Application No: 95/113 Grantee: **The State of Queensland through its Department of Primary Industries**, Brisbane QLD
Certificate No: 908 Expiry Date: 30 September, 2017

BOUGAINVILLEA
Bougainvillea x*spectoperuviana*

'Mischief'Φ
Application No: 94/223 Grantee: **Harlequin Group Pty Ltd**, Pallara QLD
Certificate No: 887 Expiry Date: 28 November, 2014

CANOLA
Brassica napus

'Clancy'Φ syn **BLN 973**Φ
Application No: 96/189 Grantee: **Department of Agriculture for and on behalf of the State of New South Wales and the Grains Research and Development Corporation**
Certificate No: 889 Expiry Date: 12 September, 2017
Agent: **The Grain Pool of Western Australia**, Perth WA

'Drum'Φ syn **BLN 971**Φ
Application No: 96/188 Grantee: **Department of Agriculture for and on behalf of the State of New South Wales and the Grains Research and Development Corporation**
Certificate No: 896 Expiry Date: 29 September, 2017
Agent: **The Grain Pool of Western Australia**, Perth WA

'Scoop'Φ syn **BLN 877**Φ
Application No: 96/190 Grantee: **Department of Agriculture for and on behalf of the State of New South Wales and the Grains Research and Development Corporation**
Certificate No: 897 Expiry Date: 12 September, 2017
Agent: **The Grain Pool of Western Australia**, Perth WA

CAPE DAISY
Osteospermum ecklonis

'Gustaf'Φ syn **Sunny Gustaf**Φ
Application No: 96/055 Grantee: **Bjarne Larsen and Niels Larsen**
Certificate No: 915 Expiry Date: 30 September, 2017
Agent: **Redlands Nursery Pty Ltd**, Redland Bay QLD

'Kwazulu'Φ
Application No: 96/051 Grantee: **Carl Auser Kragh Sorensen**
Certificate No: 926 Expiry Date: 30 September, 2017
Agent: **Redlands Nursery Pty Ltd**, Redland Bay QLD

'Sunny Lady'Φ
Application No: 96/053 Grantee: **Bjarne Larsen and Niels Larsen**
Certificate No: 899 Expiry Date: 29 September, 2017
Agent: **Redlands Nursery Pty Ltd**, Redland Bay QLD

'Swazi'Φ
Application No: 96/054 Grantee: **Carl Auser Kragh Sorensen**
Certificate No: 914 Expiry Date: 30 September, 2017
Agent: **Redlands Nursery Pty Ltd**, Redland Bay QLD

'Volta'Φ
Application No: 96/269 Grantee: **Carl Auser Kragh Sorensen**
Certificate No: 900 Expiry Date: 29 September, 2017
Agent: **Redlands Nursery Pty Ltd**, Redland Bay QLD

'Zimba'Φ
Application No: 96/050 Grantee: **Carl Auser Kragh Sorensen**
Certificate No: 913 Expiry Date: 30 September, 2017
Agent: **Redlands Nursery Pty Ltd**, Redland Bay QLD

CLEMATIS
Clematis montana

'Starlight'Φ
Application No: 95/149 Grantee: **RC Mitchell**
Certificate No: 886 Expiry Date: 12 September, 2017
Agent: **Boulters Nurseries Monbulk Pty Ltd**, Monbulk VIC

COOPER'S TREE FERN
Cyathea cooperi

'Allyn Krest'Φ
Application No: 95/095 Grantee: **VF and NC Jupp**, East Gresford NSW
Certificate No: 912 Expiry Date: 30 September, 2017

'Allyn Lace'Φ
Application No: 94/171 Grantee: **VF and NC Jupp**, East Gresford NSW
Certificate No: 911 Expiry Date: 2 August, 2014

COWPEA
Vigna unguiculata

'Ebony PR'Φ syn **Line 4A**Φ
Application No: 96/159 Grantee: **CSIRO Tropical Agriculture and the University of Queensland**, St Lucia QLD
Certificate No: 921 Expiry Date: 30 September, 2017

CUPHEA
Cuphea llavea

'Tiny Mice'Φ syn **Georgia Scarlet**Φ
Application No: 95/175 Grantee: **University of Georgia Research Foundation Inc**
Certificate No: 876 Expiry Date: 15 September, 2017
Agent: **Pearce's Nurseries Pty Ltd**, via Lismore NSW

DAYLILY
Hemerocallis hybrid

'Lemon Baby'Φ syn **207-A**Φ
Application No: 95/172 Grantee: **Robert Raabe and Robert Pearce**
Certificate No: 877 Expiry Date: 4 September, 2017
Agent: **Pearce's Nurseries Pty Ltd**, via Lismore NSW

'Peach Baby'Φ syn **207-B**Φ
Application No: 95/173 Grantee: **Robert Raabe and Robert Pearce**
Certificate No: 892 Expiry Date: 12 September, 2017
Agent: **Pearce's Nurseries Pty Ltd**, via Lismore NSW

DIANTHUS
Dianthus plumarius

'Far East'(Þ)
Application No: 95/179 Grantee: **Keith RW Hammett**
Certificate No: 873 Expiry Date: 4 September, 2017
Agent: **Pearce's Nurseries Pty Ltd**, via Lismore NSW

'Spot On'(Þ)
Application No: 95/177 Grantee: **Keith RW Hammett**
Certificate No: 874 Expiry Date: 4 September, 2017
Agent: **Pearce's Nurseries Pty Ltd**, via Lismore NSW

DIEFFENBACHIA
Dieffenbachia hybrid

'Paco'(Þ) syn **TS 8704**(Þ)
Application No: 95/182 Grantee: **Edwin J Frazer**, Kenmore QLD
Certificate No: 875 Expiry Date: 5 September, 2017

FOREST BLUEGRASS
Bothriochloa bladhii

'Swann'(Þ) syn **CPI 11408**(Þ)
Application No: 95/114 Grantee: **The State of Queensland through its Department of Primary Industries**, Brisbane QLD
Certificate No: 905 Expiry Date: 30 September, 2017

GERANIUM
Geranium hybrid

'Pink Spice'(Þ)
Application No: 95/237 Grantee: **MA and EJ Dean**
Certificate No: 930 Expiry Date: 30 September, 2017
Agent: **Little Acre Nursery**, Langwarrin VIC

LUPIN
Lupinus angustifolius

'Wonga'(Þ)
Application No: 95/289 Grantee: **Chief Executive Officer, Department of Agriculture Western Australia, Department of Agriculture for and on behalf of the State of New South Wales and the Grains Research and Development Corporation**
Certificate No: 890 Expiry Date: 12 September, 2017
Agent: **NSW Agriculture**, Orange NSW
Sub Agent: **Lachlan Valley Seeds Cooperative**, Forbes NSW

PEAR
Pyrus communis

'Tichbon'(Þ)
Application No: 95/096 Grantee: **Neville and Michael Tichbon**, Boyanup WA
Certificate No: 898 Expiry Date: 29 September, 2022

POTATO
Solanum tuberosum

'Novita'(Þ)
Application No: 95/253 Grantee: **Hettema Zonen Keewkbedrijf BV**
Certificate No: 871 Expiry Date: 20 August, 2017
Agent: **Sunrise Agriculture Pty Ltd**, Latrobe TAS

ROSA
Rosa hybrid

'Lavquest'(Þ)
Application No: 94/058 Grantee: **Springwood Consultants Ltd**
Certificate No: 918 Expiry Date: 16 February, 2014
Agent: **Mr Greg Lowe**, Tumbi Umbi NSW

'Meibonrib'(Þ) syn **Magic Meidiland**(Þ)
Application No: 96/093 Grantee: **SNC Meilland et Cie**
Certificate No: 903 Expiry Date: 30 September, 2017
Agent: **Ross Roses**, Willunga SA

'Meicairma'(Þ) syn **Courage**(Þ)
Application No: 94/129 Grantee: **SNC Meilland et Cie**
Certificate No: 917 Expiry Date: 8 June, 2014
Agent: **Ross Roses**, Willunga SA

'Meideuji'(Þ) syn **Cassandre**(Þ)
Application No: 93/202 Grantee: **SNC Meilland et Cie**
Certificate No: 909 Expiry Date: 20 September, 2013
Agent: **Ross Roses**, Willunga SA

'Meinivoz'(Þ) syn **Spirit of Peace**(Þ)
Application No: 94/128 Grantee: **SNC Meilland et Cie**
Certificate No: 925 Expiry Date: 7 June, 2014
Agent: **Ross Roses**, Willunga SA

'Meioffic'(Þ) syn **Sweet Sonata**(Þ)
Application No: 93/201 Grantee: **SNC Meilland et Cie**
Certificate No: 920 Expiry Date: 20 September, 2013
Agent: **Ross Roses**, Willunga SA

'Meipelta'(Þ) syn **Fushia Meidiland**(Þ)
Application No: 95/021 Grantee: **SNC Meilland et Cie**
Certificate No: 922 Expiry Date: 30 September, 2017
Agent: **Ross Roses**, Willunga SA

'Meitobla'(Þ) syn **Simply Magic**(Þ)
Application No: 93/200 Grantee: **SNC Meilland et Cie**
Certificate No: 910 Expiry Date: 20 September, 2013
Agent: **Ross Roses**, Willunga SA

SOYBEAN
Glycine max

'Cawana'(Þ) syn **NH3-30-1**(Þ)
Application No: 96/122 Grantee: **The State of Queensland through its Department of Primary Industries and the Grains Research and Development Corporation**, Brisbane QLD
Certificate No: 904 Expiry Date: 30 September, 2017

'Soya 351'Φ
Application No: 95/284 Grantee: **Pioneer Hi-Bred International Inc.**
Certificate No: 891 Expiry Date: 12 September, 2017
Agent: **Pioneer Hi-Bred Australia Pty Ltd**, Wyreema QLD

'Soya 521'Φ
Application No: 95/143 Grantee: **Pioneer Hi-Bred International Inc.**
Certificate No: 893 Expiry Date: 12 September, 2017
Agent: **Pioneer Hi-Bred Australia Pty Ltd**, Wyreema QLD

STRAWBERRY
Fragaria hybrid

'Capitola'Φ
Application No: 90/081 Grantee: **The Regents of the University of California**
Certificate No: 929 Expiry Date: 7 November, 2010
Agent: **Peter Maxwell and Associates**, Sydney NSW

'Oso Grande'Φ
Application No: 89/071 Grantee: **The Regents of the University of California**
Certificate No: 927 Expiry Date: 13 September, 2009
Agent: **Peter Maxwell and Associates**, Sydney NSW

'Seascape'Φ
Application No: 90/082 Grantee: **The Regents of the University of California**
Certificate No: 928 Expiry Date: 7 November, 2010
Agent: **Peter Maxwell and Associates**, Sydney NSW

SUGARCANE
Saccharum hybrid

'Q163'Φ
Application No: 95/283 Grantee: **Bureau of Sugar Experiment Stations**, Indooroopilly QLD
Certificate No: 885 Expiry Date: 9 September, 2017

'Q165'Φ
Application No: 95/277 Grantee: **Bureau of Sugar Experiment Stations**, Indooroopilly QLD
Certificate No: 879 Expiry Date: 9 September, 2017

'Q166'Φ
Application No: 95/281 Grantee: **Bureau of Sugar Experiment Stations**, Indooroopilly QLD
Certificate No: 883 Expiry Date: 9 September, 2017

'Q167'Φ
Application No: 95/278 Grantee: **Bureau of Sugar Experiment Stations**, Indooroopilly QLD
Certificate No: 880 Expiry Date: 9 September, 2017

'Q170'Φ
Application No: 95/275 Grantee: **Bureau of Sugar Experiment Stations**, Indooroopilly QLD
Certificate No: 878 Expiry Date: 9 September, 2017

'Q171'Φ
Application No: 95/280 Grantee: **Bureau of Sugar Experiment Stations**, Indooroopilly QLD
Certificate No: 882 Expiry Date: 9 September, 2017

'Q172'Φ
Application No: 95/279 Grantee: **Bureau of Sugar Experiment Stations**, Indooroopilly QLD
Certificate No: 881 Expiry Date: 9 September, 2017

'Q174'Φ
Application No: 95/282 Grantee: **Bureau of Sugar Experiment Stations**, Indooroopilly QLD
Certificate No: 884 Expiry Date: 9 September, 2017

SWEDISH BEGONIA
Plectranthus ciliatus

'Easy Gold'Φ
Application No: 95/203 Grantee: **Dale Bennett**, Wesburn VIC
Certificate No: 916 Expiry Date: 30 September, 2017

WARATAH
Telopea speciosissima

'Cardinal'Φ syn **Pope's Weromba Cardinal**Φ
Application No: 94/133 Grantee: **RH Pope, Yellow Rock Native Nursery Pty Ltd and P Nixon**
Certificate No: 923 Expiry Date: 11 July, 2014
Agent: **Yellow Rock Native Nursery Pty Ltd and Paul Nixon**, Winmalee NSW

'Fire and Brimstone'Φ
Application No: 94/097 Grantee: **Yellow Rock Native Nursery Pty Ltd and Paul Nixon**
Certificate No: 902 Expiry Date: 28 April, 2014
Agent: **Yellow Rock Native Nursery Pty Ltd**, Winmalee NSW

'Shade of Pale'Φ
Application No: 95/208 Grantee: **Paul Nixon and Graeme Downe**, Narre Warren North VIC
Certificate No: 901 Expiry Date: 30 September, 2017

WEEPING FIG
Ficus benjamina

'Francis'Φ syn **Francis Goldstar**Φ
Application No: 95/062 Grantee: **Denis-Plants BVBA**
Certificate No: 872 Expiry Date: 22 August, 2022
Agent: Burbank Biotechnology Pty Ltd**, Wyong NSW**

APPLICATIONS VARIED

The ownership details of *Vigna unguiculata* **'Ebony PR'** (App. No: 96/159) has been changed from a single applicant **CSIRO Tropical Agriculture** to joint applicant **CSIRO Tropical Agriculture and The University of Queensland**.

The ownership details of *Vitis vinifera* **'BW 41/5'** (App. No: 96/018) and **'HBS 17-35'** (App. No: 96/046) has been changed from **Andriske (Paringi) Nominees Pty Ltd** to **Andriske Table Grapes Pty Ltd**.

Robert J Robertson, applicant for *Hemerocallis* '**Black Eyed Stella'** (App: 96/136) has appointed **Burbank Biotechnology** as new agent for this variety. Previously the agency was with **Plants International Pty Ltd**.

The ownership details of *Lupinus angustifolius* **'Wonga'** (App. No: 95/289) has been changed from **Agriculture WA** and **NSW Agriculture** to **Chief Executive Officer, Department of Agriculture WA**, **Department of Agriculture for and on behalf of the State of New South Wales and Grains Research & Development Corporation**.

The ownership details of *Brassica napus* '**Drum'** (App. No: 96/188),**'Clancy'** (App. No: 96/189), **'Scoop'** (App. No: 96/190), **'Monty'** (App. No: 96/227) and **'Grouse'** (App. No: 96/228) has been changed from **NSW Agriculture** to **Department of Agriculture for and on behalf of the State of New South Wales and Grains Research & Development Corporation**.

The denominations of *Glycine max* **'9351'** (App. No: 95/143) and **'9521'** (App. No: 95/284) have changed to **'Soya 351'** and **'Soya 521'** respectively.

The denominations of *Petunia* **'Sunsolos'** (App. No: 94/155), **'Suntovan'** (App. No: 94/157) **'Suntosol'** (App. No: 94/156), '**Suntory SP-B'** (App. No: 95/263) and '**Suntory SP-R'** (App. No: 95/264) have been changed to **'Revolution Bluevein'**, **'Revolution Pinkmini'** ,**'Revolution Pinkvein'**, **'Sanberubu'** and **'Sanberupi'** respectively.

The denomination of *Verbena* **'Suntory VP-10'** (App. No: 95/270) and **'Suntory VP-13'** (App. No: 95/271) have been changed to **'Sanmaripi'** and **'Sanmarisu'** respectively.

The denomination of *Chrysanthemum* **'Cobra'** (App. No: 95/061) has been changed to **'Boskoop'**.

Ian and Merilyn Moad, applicant for *Acacia boormanii* **'Olympic Gold'** (App. No: 93/222) has appointed **Plants Management Australia** as the agent for this variety.

The denomination of *Osteospermum ecklonis* **'Sunny Gustaf'** syn **Gustaf** (App. No: 96/055) has been changed to **'Gustaf'** syn **Sunny Gustaf**.

Claude Ray Garnett, applicant for *Camellia* hybrid **'Sweet Jane'** (App. No: 96/119) has Camellia Lodge Nursery as the agent for this variety.

The denomination of *Rosa* hybrid **'Lavquest'** syn **Pink Bouquet** (App. No: 94/058) has been changed to **'Lavquest'**. The synonym is no longer protected for this variety under Plant Variety Rights.

The denomination of *Rosa* hybrid **'Noason'** syn **Yellow Noack Ground Cover** (App. No: 97/199) has been changed to **'Noason'** syn **Yellow Ground Cover**.

The denomination of *Rosa* hybrid **'Noamel'** syn **Appleblossom** (App. No: 95/100) has been changed to **'Noamel'** syn **Appleblossom Ground Cover**.

The denomination of *Photinia* hybrid **'Paradise Burgundy'** (App. No: 95/291) has been changed to **'Superhedge'**.

The denomination of *Leucadendron uliginosum x discolor* **'World Vision'** (App. No: 94/006) has been changed to **'Our Vision'**.

APPLICATIONS WITHDRAWN

Rosa hybrid **'Macspeego'** syn **Candella** App. No: 95/032.
Rosa hybrid **'Interdust'** App. No: 95/105.
Citrus reticulata **'Eloise'** syn **IM 11** App. No: 93/156.
Impatiens wallerana **'Leah'** App. No: 94/236.
Impatiens wallerana **'Rebecca'** App. No: 94/237.
Impatiens wallerana **'Laser Red Flash'** App. No: 97/079.
Impatiens wallerana **'Laser Purple Flare'** App. No: 97/080.
Thryptomene calycina **'Ivory Lace'** App. No: 95/303.
Anopterus glandulosus **'Picton River Pink'** syn **Southern Pink** App. No: 94/233.

GRANTS SURRENDERED

Alstroemeria **'Gloria'** Certificate No: 462
Alstroemeria **'Iberia'** Certificate No: 463
Cucurbita maxima **'Redlands Trailblazer'** Certificate No: 164
Petunia axillaris **'Sunwave'** Certificate No: 651.
Petunia hybrid **'White Lace'** Certificate No: 652.
Petunia hybrid **'Purple Victory'** Certificate No: 653.
Petunia hybrid **'Sun Avalanche'** Certificate No: 654.
Petunia hybrid **'Sun Gleam'** Certificate No: 655.
Petunia hybrid **'Sunspoiler'** Certificate No: 656.
Petunia axillaris **'Palomar Rose'** Certificate No: 657.
Rosa hybrid **'Meitralur'** syn **Flame Meillandina** Certificate No: 287.
Rosa hybrid **'Happy Days'** syn **Macseatri** Certificate No: 176.
Rosa hybrid **'Precious Michelle'** syn **Macbucpal** Certificate No: 177.
Rosa hybrid **'Rock & Roll'** syn **Macfirwal** Certificate No: 178.
Rosa hybrid **'Michelle Joy'** syn **Aroshrel** Certificate No: 179
Rosa hybrid **'Hans Christian Andersen'** syn **Poulander** Certificate No: 180.

NO LONGER UNDER PROVISIONAL PROTECTION

Pyrus communis **'Corinella'** App. No: 95/202.

CHANGE IN RIGHTS HOLDER

Plant Breeder's Rights on *Camellia sasanqua* **'Marge Miller'**(ϕ) Certificate No: 556 was transmitted from **Clement Harold Truran** to **Charles Edwin Cowell and Helen Cowell.**

CORRIGENDA

In PVJ 10.2 (p 11), the Application numbers for *Hordeum vulgare* **'Gairdner'** syn **WABAR2034** and **'Fitzgerald'** syn **WABAR2030** should correctly read as **97/136** and **97/135** respectively.

In PVJ 10.1 (p 9), the denomination of *Pelargonium peltatum* should read as **'Pendresd'** instead of **'Pendresed'**.

In PVJ 8.1 (p 4), the one of species name for the hybrid *Leucadendron* **'World Vision'** was inadvertently given as ***unginosum*** where in fact it should ***uliginosum***.

In PVJ 9.4 (p 9), the address for the breeder for *Ligustrum* **'Lemon Lime and Clippers'** was given as **Wangwarrin,** VIC where in fact it should be **Langwarrin,** VIC.

APPENDIX 1

FEES

Two fee structures exist as a result of the transition from Plant Variety Rights to Plant Breeders Rights.

For new applications (those lodged on or after 11 November 1994) the PBR fees apply. For older applications lodged before 11 November 1994 and not finally disposed of (Granted, Withdrawn, Refused etc.) the PVR fees in force at the time apply.

Payment of Fees

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

Plant Breeders Rights Office
DPIE
GPO Box 858
Canberra, ACT 2601

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

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 of an application will automatically result, at the end of 12 months from the date of acceptance, 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 renewal fee not be paid within 30 days after the due date, the grant of PBR will be revoked under Section 50 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.

NEW APPLICATIONS (LODGED ON OR AFTER 11 NOVEMBER 1994).

PBR Fees	$
Application	300
Examination – single application	1400
Examination – application based on overseas test data	1400
Examination – multiple applications* (per application)	1200
Certificate of PBR	300
Total Basic Fees	2000

* Applicable when two or more Part 2 Applications are lodged simultaneously and the varieties are of the same genus and the examinations can be completed at one location at the same time.

Annual Fee	300
Other Fees	
Variation to application	75
Variation to assignment	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 licence	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

Old applications (lodged before 10 November 1994).

PVR fees	**$**
Application	400
Examination of application	1400
Certificate of PVR	250
Total Basic Fees	2050
Annual Renewal Fee	(see note under)
Other Fees	
Variation to application	70
Copy of application	70
Lodging an objection	200
Copy of objection	70
Compulsory license	140
Transfer of rights	140
Other work relevant to PVR (per hour)	70

Note: Once an application has been granted rights under PVR it is treated as if those rights had been granted under PBR. Therefore after grant, all PBR fees apply (including the annual fee).

The appropriate **examination fee** must be paid before the expiry of the 12th month from the date of acceptance of the application or prior to field examination whichever occurs first. 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.

APPENDIX 2

SUMMARY OF MINUTES OF PBRAC MEETING HELD ON 6 AUGUST 1997

Mr Doug Waterhouse, Registrar of the Plant Breeders Rights (PBR) Office and Chair of the PBRAC, advised the members that a letter of appreciation for many years service to the PBR scheme had been written to the former Registrar, Dr Mick Lloyd. He also advised that Dr Lloyd would be taking up a position with the South Pacific Commission in Suva.

In business arising from the Minutes of the previous meeting:

(i) Mr Waterhouse advised the Committee that the legislative schedule for the **1996 proposed amendments to the PBR Act** (the Act) had been raised from Category C to Category A and drafting would commence in mid-August.

(ii) The Committee discussed at length matters concerning **possible infringement actions** and rights of grantees. **The following items were recommended by the Committee:**

(a) *The Act is silent on who may initiate infringement actions. Licensees believe that this needs to be clarified to allow them or those authorised by the breeder under section 11 to instigate proceedings.*

> **The Committee agreed** to insert wording to clarify who may initiate infringement actions, for example *'the grantee may initiate or authorise another to initiate infringement'*. The PBRAC reserved the right to review the final draft before action was taken to amend the Act.

(b) *Also that infringement offences under section 74 should be extended to include harvested material and the products obtained from harvested material as defined in sections 14 and 15.*

> **The Committee agreed** to insert wording to include this extension. The PBRAC reserved the right to review the final draft before action was taken to amend the Act.

(c) *Also that the unauthorised use of a variety's synonym should be included as an infringement under section 53(1)(c).*

> **The Committee agreed** to include the words *'and the variety synonym'*.

(iii) Genetically Modified Organisms (GMOs): Amendment is suggested to section 19 (public access); section 37 (test growing) and section 43(2) (Registrable Plant Varieties) to bring them in conformity with other restrictions on the testing and release of GMOs.

The Committee stressed to the Registrar that the PBR Act should not be used as a regulator to restrict GMOs and that it was not appropriate for the Act to overlap with other current or future controls. The Committee discussed the possibility of having a disclaimer in the grant of PBR to prevent the rights being used in inappropriate ways. They felt it important to have an inclusion such as *'the exercise of the grant of rights may be subject to other acts or regulatory controls'*. A specific reference to GMOs and noxious weed species was considered appropriate.

> **The Committee requested** that the Registrar seek legal advice on draft wording and consult with other Member States of UPOV (Denmark, Netherlands, Israel, etc) on how PBR legislation interacts with environmental protection legislation (GMOs, etc). **The Committee also requested** (a) the Registrar to investigate the legal exposure of the PBR office when dealing with GMOs. They advised Mr Waterhouse that the PBR office should be fully aware of the protocols and procedures of GMAC, and be active in promoting them in connection with PBR applications and (b) that publication of material about GMAC be published in the Plant Variety Journal (PVJ). **The Committee agreed to defer** discussion on this matter until the Registrar could present his findings at the next meeting.

(iv) Other Acts and PBR: Other acts that do not infringe PBR. Section 18 allows the use of a variety protected by PBR for food, food ingredient or fuel. Amendment to Section 18 is suggested by the Grains Council of Australia (GCA) in relation to the operation of Statutory Marketing Authorities (SMAs).

> **The Committee agreed to defer** discussion on the matter until the proposed GCA amendments to the PBR Act were resolved. However, the Committee noted the word *'fibre'* in the Plant Variety Rights Act 1987 had been deleted and the words *'food ingredient'* used in its place in Section 18 of the Plant Breeders Rights Act 1994. They expressed a desire to re-instate the word *'fibre'* in the current Act to broaden options for *non-infringing uses*. Following discussion, **the Committee requested** the Registrar to refer to the National Food Authority for a *definitive* definition of the word, food etc, to look into previous working notes on changes to the 1987 Act, and to obtain material from the 1991 UPOV Convention. **The Committee agreed to defer** a decision until the next PBRAC meeting when further information was available.

(v) Naming of PBR Varieties: The Registrar advised that an article on this subject had been written by Dr Tanvir Hossain of the PBR office and published in the July 1997 issue of the *Australian Horticulture* journal. He noted that PBR was complying with the list of names published by the Sydney Olympic Games Committee (SOCG) and, therefore, have had to refuse several requests for names such as *'Olympic Gold'*.

(vi) PBR Homepage: Mr Waterhouse advised the Committee that applicants are now able to download all PBR forms from the PBR Homepage and the PBR Homepage was the second most accessed page in the group during June.

(vii) UPOV Database: The Registrar advised the Committee that their request to include a variety's trade name on the UPOV database had been successful.

(viii) Comparison of PBR Fees: The Registrar presented a range of statistical data, prepared at the request of the Committee, comparing PBR fees in Australia against other UPOV Member States. PBR fees of $2000 per application to the time of grant compare very favourably against other total cost recovery countries and are slightly below those of New Zealand (NZ) for agricultural species (with wheat taken as the standard comparison). PBR annual fees are second lowest only to South Africa and again less than NZ. A comparison of fees over a five year period make Australian PBR highly competitive for agricultural species. However, a comparison of five year fees for ornamentals shows that while PBR fees are internationally competitive, they are almost twice that of NZ fees. The Registrar advised the Committee that PBR will be focusing on NZ's procedures in this area, and will take the opportunity while visiting NZ for the Qualified Persons Workshop to discuss the matter with the NZ PVR office.

(ix) Plant Varieties Journal (PVJ): Mr Waterhouse detailed the following advertising in the PVJ as part of PBR cost recovery innovations:

- *'sale'* of the front cover for a variety granted under PBR
- *'advertising'* on the back cover and inside the front cover
- the introduction of a new *'Service Directory'* section at the back of the PVJ

(x) Additional PVJ Publishing: The Registrar also advised the Committee that PBR had been approached by the Standing Committee on Agriculture and Resource Management (SCARM) to publish descriptions of winter cereals in the PVJ. It is anticipated that this extended use of the PVJ will widen its circulation as well as increase its usefulness as a comprehensive document of plant descriptions**. The Committee requested** that Mr Waterhouse investigate the possibility of publishing agronomic information in conjunction with morphological descriptions.

Under **New Business** Mr Waterhouse presented a summary of the performance of the PBR office over the past ten years. He demonstrated to the Committee that the level of breeder participation indicates PBR is attracting investment into breeding and the introduction of new varieties. Data showed that breeder participation rate is high from private companies based overseas. There has also been an appreciable increase in Australian private breeders over recent years.

The Registrar also advised the Committee of PBR challenges in 1998:

- Reducing the cost of processing PBR applications Implementing amendments to the PBR Act
- Hosting the UPOV Technical Working Party (Fruit) Minimising administration costs by outsourcing services and reducing overhead charges
- Establishing Workplace Agreements for all staff Developing and implementing a new PBR database

The Committee moved to congratulate the PBR office for its achievements in 1996/97 and for receiving the Secretary's Achievement Award, the latest recognition of their team effort.

The following representatives of peak industry bodies addressed the meeting in relation to the GCA's proposal to amend the PBR Act 1994:

Mr Chris Melham, General Manager, Seed Industry Assn of Australia Limited (SIAA)
Mr Jock Kreitals, Deputy Director, GCA
Mr Brian Branbury, Assistant General Manager, Australian Barley Board
Mr Peter Portmann, Manager Seed Commercialisation, Grain Pool of WA

Mr Melham advised the Committee that SIAA is the peak body representing breeders, as well as the Australian representative body on the international association of plant breeders, ASSINSEL, which has 32 member bodies. As such they had a strong interest in the amendments to the PBR Act (proposed by GCA on behalf of the Australian Grain Marketing Federation (AGMF)). The SIAA have particular concerns that the proposed amendments may have a negative effect on *"breeders rights"* as outlined in the Act and expressed a belief that, if the proposed amendments were approved, they would provide a major disincentive to plant breeders.

Mr Kreitals advised the Committee that the GCA was concerned about any reduction in the single desk export powers of SMAs. He referred to the desire of the GCA to "*rectify the conflict between this Act* (PBR Act 1994) *and state single desk marketing legislation*" which they believe arises out of an *"unintended inconsistency"* of the Act.

Mr Brian Branbury presented an overview of the position of the Australian Barley Board. He stated that the members of the Board had to maintain a competitive edge in a commercial world and must have controls to meet the requirements and needs of the consumer. They believed the current wording of the PBR Act presented a threat to their organisation and would support amendments of the PBR Act as long as they did not impinge on the rights of others.

Mr Peter Portmann advised that the Grain Pool of WA has concerns that the PBR Act is providing rights to grantees above those originally intended. They believed the Act should tighten up the definition of *'propagating material'* to limit it to '*material actually used or intended to be used'* for propagation. Further protection of statutory marketing arrangements should be legislated by an amendment to Section 14 to specifically recognise *grain* (as opposed to *seed*).

The Committee asked if the definition in Section 3 of the PBR Act could be extended so that *'propagating material'* was separated from grain. Mr Melham raised the fears of SIAA members that SMAs may be in a position to market grain for which PBR rights have not been exhausted. **The Committee further asked** what range of options (other than legislation alone) was available to them for consideration as a means of resolution , ie commercial arrangements. Mr Kreitals said that he saw the PBRAC as a facilitator for making changes to the PBR Act, and that the

next step was to ensure that legal advice was fully explored. However, as the representative of GCA, a proposal to amend the PBR Act was of prime concern to removing the conflict with the single desk marketing rights.

The Committee agreed they would like to receive a combined request in writing from the GCA and SIAA requesting the PBRAC to apply to the Attorney-General's Department for further legal advice. **The Committee also agreed** to look at legal advice on defining propagative material in Section 3 of the PBR Act. However, the Committee expressed concerns that the Act is intended to protect all plant breeding in Australia, not just field crops, and that any amended wording must provide for all species. **The Committee further agreed** to look into barley, lupins, canola, etc. They requested the Registrar to write to Mr Kreitals for a list of *'controlled species'***.**

The Committee agreed that the next meeting will be held on **Wednesday 11 March 1998**.

Plant Breeders Rights Advisory Committee (PBRAC)

(Members of the PBRAC hold office in accordance with Section 85 of the *Plant Breeder's Rights Act 1994*.)

Dr Brian William Hare
Director of Research
Pacific Seeds Pty Ltd
6 Nugent Crescent
TOOWOOMBA QLD 4350
Representing Plant Breeders

Ms Cheryl Ann McCaffery
Intellectual Property Manager
Florigene Pty Ltd
18 Hutchinson Street
EAST BRUNSWICK VIC 3057
Member with appropriate qualifications and experience

Ms Natalie Florence Peate
Nursery Owner
26 Kardinia Crescent
WARRENWOOD VIC 3134
Member with appropriate qualifications and experience

Mr. Hugh Roberts
Farmer
'Birralee'
COOTAMUNDRA NSW 2694
Representing Users

Prof Margaret Sedgley
University of Adelaide
Waite Campus
GLEN OSMOND SA 5064
Representing Plant Breeders

Dr D A I (Dai) Sutter
General Manager
Weston Food Laboratories
1 Braidwood Street
ENFIELD NSW 2136
Representing Consumers

Mr Doug Waterhouse (Chair)
Acting Registrar of Plant Breeders Rights
GPO Box 858
CANBERRA ACT 2601

APPENDIX 3

INDEX OF ACCREDITED CONSULTANT 'QUALIFIED PERSONS'

The following persons have been accredited by the Plant Breeders 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 which 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 Darmody, Liz Fleming, Graham Jotic, Predo Mackay, Alastair Mitchell, Leslie Pullar, David Robinson, Ben Scholefield, Peter Stearne, Peter Tancred, Stephen Valentine, Bruce
Aquatic	Birkill, Ann-Marie
Anigozanthos	Paananen, Ian Kirby, Greg
Aroid	Harrison, Peter
Azalea	Barrett, Mike Boyd, Rodger Hempel, Maciej Paananen, Ian
Barley (Common)	Collins, David Morgan, Stuart A Platz, Greg
Berry Fruit	Darmody, Liz Fleming, Graham Pullar, David Robinson, Ben Scholefield, Peter
Blueberry	Barthold, Graham Pullar, David
Bougainvillea	Iredell, Janet Willa
Brassica	Aberdeen, Ian Baker, Andrew Cross, Richard Fennell, John Kadkol, Gururaj Lewis, Gregory McMichael, Prue Pullar, David Robinson, Ben Scholefield, Peter Tay, David Wearing, Alan
Buddleia	Robb, John Paananen, Ian
Camellia	Paananen, Ian Robb, John
Cassava	Tay, David
Cereals	Bullen, Kenneth Collins, David Cook, Bruce Cooper, Kath Cross, Richard Davidson, James Derera, Nicholas AM Fennell, John Fletcher, Rob Gardner, Anne Hare, Raymond Harrison, Peter Henry, Robert J Kidd, Charles Law, Mary Ann Mitchell, Leslie Oates, John Platz, Greg Poulsen, David Reid, Robert Rose, John Scattini, Walter John Smart, Geoffrey Stearne, Peter Stuart, Peter Vertigan, Wayne Wearing, Alan Williams, Warren Wilson, Frances
Cherry	Darmody, Liz Fleming, Graham Kennedy, Peter Mackay, Alastair Mitchell, Leslie Pullar, David Robinson, Ben Scholefield, Peter
Chickpeas	Collins, David Goulden, David Morgan, Stuart A
Citrus	Edwards, Megan Fox, Primrose Gingis, Aron Lee, Slade Mitchell, Leslie Pullar, David Robinson, Ben Scholefield, Peter Sykes, Stephen Topp, Bruce
Clover	Miller, Jeff Mitchell, Leslie Nichols, Phillip
Conifer	Stearne, Peter
Cotton	Bullen, Kenneth Derera, Nicholas AM Leske, Richard
Cucurbits	Cross, Richard Herrington, Mark McMichael, Prue Pullar, David Robinson, Ben Scholefield, Peter Sykes, Stephen Wearing, Alan
Cydonia	Baxter, Leslie
Dogwood	Darmody, Liz Fleming, Graham Stearne, Peter
Feijoa	Robinson, Ben Scholefield, Peter
Fig	Darmody, Liz FitzHenry, Daniel Fleming, Graham Pullar, David
Forage Brassicas	Goulden, David
Forage Grasses	Berryman, Tim Bray, Robert Fennell, John Harrison, Peter Kirby, Greg Mitchell, Leslie Slatter, John
Forage Legumes	Bray, Robert Fennell, John Foster, Kevin Harrison, Peter Miller, Jeff Slatter, John Snowball, Richard
Forest Trees	Lubomski, Marek
Fruit	Beal, Peter Darmody, Liz Fleming, Graham

Gingis, Aron
Kerly, Rod
Lenoir, Roland
Mitchell, Leslie
Pullar, David
Robinson, Ben
Scholefield, Peter

Grapes
Biggs, Eric
Cirami, Richard
Darmody, Liz
Fleming, Graham
Gingis, Aron
Mitchell, Leslie
Pullar, David
Robinson, Ben
Scholefield, Peter
Stearne, Peter
Sykes, Stephen

Grevillea
Herrington, Mark

Hydrangea
Hanger, Brian

Impatiens
Paananen, Ian

Jojoba
Dunstone, Bob

Legumes
Aberdeen, Ian
Bahnisch, L
Baker, Andrew
Bray, Robert
Cameron, Stephen
Collins, David
Cook, Bruce
Downes, Ross
Foster, Kevin
Hacker, Bryan
Harrison, Peter
Imrie, Bruce
Kirby, Greg
Knights, Edmund
Law, Mary Ann
Loch, Don
Mitchell, Leslie
Morgan, Stuart A
Nutt, Bradley
Reid, Robert
Rose, John
Snowball, Richard

Lentils
Collins, David
Goulden, David

Lucerne
Mitchell, Leslie
Bray, Robert
Nichols, Phillip

Lupin
Collins, David
Lewis, Gregory

Magnolia
Paananen, Ian

Maize
Slatter, John

Myrtaceae
Dunstone, Bob
Reid, Robert

Native grasses
Quinn, Patrick
Waters, Cathy

Neem
Friend, Joe

Oat
Collins, David
Morgan, Stuart A
Platz, Greg

Oilseed crops
Downes, Ross
Kidd, Charles
Poulsen, David
Slatter, John

Olives
Bazzani, Mr Luigi
Gingis, Aron
Pullar, David

Onions
Cross, Richard
Fennell, John
Gingis, Aron
McMichael, Prue
Pullar, David
Robinson, Ben
Scholefield, Peter
Strange, Pamela

Ornamentals - Exotic
Armitage, Paul
Angus, Tim
Barth, Gail
Birkill, Ann-Marie
Cameron, Stephen
Collins, Ian
Cooling, Beth
Cross, Richard
Cunneen, Thomas
Darmody, Liz
Dawson, Iain
Derera, Nicholas AM
Fisk, Anne Marie
Fitzhenry, Daniel
Fleming, Graham
Gingis, Aron
Harrison, Peter
Hempel, Maciej
Johnston, Margaret
Kirkham, Roger
Kwan, Brian
Lenoir, Roland
Lowe, Greg
Lubomski, Marek
Lunghusen, Mark
McMichael, Prue
Mitchell, Leslie
Nichols, David
Oates, John
Paananen, Ian
Richardson, Clive
Robb, John
Robinson, Ben
Scholefield, Peter
Singh, Deo
Stearne, Peter
Stewart, Angus
Strange, Pamela
Tay, David
Van der Ley, John
Washer, Stewart
Watkins, Phillip
Wearing, Alan

Ornamentals - Indigenous
Allen, Paul
Angus, Tim
Barrett, Mike
Barth, Gail
Beal, Peter
Bound, Sally Anne
Cooling, Beth
Cunneen, Thomas
Dawson, Iain
Derera, Nicholas AM
Downes, Ross
Hanger, David
Harrison, Peter
Henry, Robert J
Hockings, David
Jack, Brian
Johnston, Margaret
Jusaitis, Manfred
Kirby, Greg
Kirkham, Roger
Lenoir, Roland
Lowe, Greg
Lunghusen, Mark
McMichael, Prue
Molyneux, W M
Nichols, David
Oates, John
Paananen, Ian
Robinson, Ben
Scholefield, Peter
Singh, Deo
Stearne, Peter
Strange, Pamela
Tan, Beng
Watkins, Phillip
Wearing, Alan
Worrall, Ross

Ornithopus
Foster, Kevin
Nichols, Phillip
Nutt, Bradley
Snowball, Richard

Osmanthus
Paananen, Ian
Robb, John

Pastures & Turf
- Aberdeen, Ian
- Anderson, Malcolm
- Avery, Angela
- Bahnisch, L
- Berryman, Tim
- Cameron, Stephen
- Cook, Bruce
- Downes, Ross
- Gellert, Valerie
- Harrison, Peter
- Hacker, Bryan
- Kaapro, Jyri
- Kirby, Greg
- Loch, Don
- Miller, Jeff
- Mitchell, Leslie
- Rose, John
- Smith, Raymond
- Scattini, Walter John
- Slatter, John
- Williams, Warren
- Wilson, Frances

Peanut
- George, Doug
- Tay, David

Pear
- Baxter, Leslie
- Darmody, Liz
- Fleming, Graham
- Mackay, Alastair
- Pullar, David
- Robinson, Ben
- Scholefield, Peter
- Tancred, Stephen
- Valentine, Bruce

Petunia
- Paananen, Ian
- Nichols, David

Photinia
- Robb, John

Pistacia
- Pullar, David
- Richardson, Clive
- Sykes, Stephen

Pisum
- Goulden, David
- Lewis, Gregory
- McMichael, Prue
- Morgan, Stuart A

Potatoes
- Baker, Andrew
- Cross, Richard
- Fennell, John
- Kirkham, Roger
- McMichael, Prue
- Pullar, David
- Robinson, Ben
- Scholefield, Peter
- Strange, Pamela
- Stearne, Peter
- Tay, David

Proteaceae
- Barth, Gail
- Kirby, Neil
- Reid, Robert
- Robb, John
- Robinson, Ben
- Scholefield, Peter

Pseudocereals
- Fletcher, Rob

Pulse Crops
- Bestow, Sue
- Bullen, Kenneth
- Collins, David
- Cross, Richard
- Fletcher, Rob
- Kidd, Charles
- Oates, John
- Slatter, John

Prunus
- Darmody, Liz
- Fleming, Graham
- Mackay, Alastair
- Porter, Gavin
- Pullar, David
- Topp, Bruce

Raspberry
- Barthold, Graham
- Darmody, Liz
- Fleming, Graham
- Martin, Stephen
- Pullar, David
- Robinson, Ben
- Scholefield, Peter

Rhododendron
- Barrett, Mike
- Paananen, Ian

Roses
- Barrett, Mike
- Cross, Richard
- Darmody, Liz
- Fitzhenry, Daniel
- Fleming, Graham
- Fox, Primrose
- Gingis, Aron
- Hanger, Brian
- Lee, Peter
- Prescott, Chris
- Robinson, Ben
- Scholefield, Peter
- Stearne, Peter
- Strange, Pamela
- Swane, Geoff
- Syrus, A Kim
- Van der Ley, John

Sesame
- Harrison, Peter
- Imrie, Bruce

Sorghum
- Slatter, John

Soybean
- Andrews, Judith
- Harrison, Peter

Spices and Medicinal Plants
- Derera, Nicholas AM
- Pullar, David

Stone Fruit
- Barrett, Mike
- Darmody, Liz
- Fleming, Graham
- Mackay, Alistair
- Pullar, David
- Robinson, Ben
- Scholefield, Peter
- Valentine, Bruce

Strawberry
- Barthold, Graham
- Gingis, Aron
- Herrington, Mark
- Martin, Stephen
- Mitchell, Leslie
- Morrison, Bruce
- Porter, Gavin
- Pullar, David
- Robinson, Ben
- Scholefield, Peter
- Strange, Pamela
- Zorin, Clara

Sugarcane
- McRae, Tony
- Tay, David

Sunflower
- George, Doug

Tomato
- Cross, Richard
- Gingis, Aron
- Herrington, Mark
- Martin, Stephen
- McMichael, Prue
- Pullar, David
- Robinson, Ben
- Scholefield, Peter
- Strange, Pamela

Triticale (x Triticosecale Wittmack)
- Collins, David

Tropical/Sub-Tropical Crops
- Bullen, Kenneth
- Fletcher, Rob
- Harrison, Peter
- Kulkarni, Vinod
- Paulin, Robert
- Pullar, David
- Robinson, Ben
- Scholefield, Peter
- Tay, David
- Winston, Ted

Umbrella Tree
- Paananen, Ian

Vegetables

Baker, Andrew
Beal, Peter
Cross, Richard
Derera, Nicholas AM
Fennell, John
Frkovic, Edward
Gingis, Aron
Harrison, Peter
Kirkham, Roger
Kerly, Rod
Lenoir, Roland
McMichael, Prue
Oates, John
Pearson, Craig
Pullar, David
Robinson, Ben
Scholefield, Peter
Scott, Peter
Strange, Pamela
Tay, David
Westra Van Holthe, Jan

Verbena

Paananen, Ian

Wheat (Aestivum & Durum Groups)

Collins, David
Gardner, Anne
Platz, Greg

TABLE 2

NAME	TELEPHONE	AREA OF OPERATION
Aberdeen, Ian	03 5782 1029	SE Australia
	03 5782 2073 fax	
Allen, Paul	07 3824 0263 ph/fax	SE QLD, Northern NSW
Anderson, Malcolm	03 5573 0900	
	03 5571 1523 fax	
	017 870 252 mobile	Victoria
Andrews, Judith	069 512 614	
	069 557 580 fax	Southern NSW, Northern VIC
Angus, Tim	047 515 702 ph/fax	Australia and New Zealand
Armitage, Paul	03 9756 7233	
	03 9756 6948 fax	Victoria
Avery, Angela	060 304 500	
	060 304 600 fax	South Eastern Australia
Bahnisch, L	07 5460 1300	
	07 5460 1112 fax	Australia
Baker, Andrew	03 6427 8553	
	03 6427 8554 fax	Tasmania
Barrett, Mike	02 9875 3087	
	02 9980 1662 fax	
	0150 62494 mobile	NSW/ACT
Barth, Gail	08 8303 9580	
	08 8303 9424 fax	SA and Victoria
Barthold, Graham	03 5997 1413	
	03 5942 5132 fax	Southern Victoria
Baxter, Leslie	03 6233 6809	
	03 6228 5936 fax	
	0181 21943 mobile	Tasmania
Bazzani, Luigi	08 9772 1207	
	08 9772 1333 fax	Western Australia
Beal, Peter	07 3286 1488	
	07 3286 3094 fax	QLD & Northern NSW
Berryman, Tim	045 775 172	Sydney & Environs
Bestow, Sue	067 954 050	
	067 953 358 fax	
	0152 54695 mobile	Australia
Biggs, Eric	03 5023 2400	
	03 5023 3922 fax	Mildura Area
Birkill, Ann-Marie	07 3374 1839	
	07 3374 2393 fax	Australia
Bound, Sally Anne	03 6233 6857	Tasmania
Boyd, Rodger	08 9380 2553	
	08 9380 1108 fax	Western Australia
Bray, Robert	07 3378 3158	QLD & Northern NSW
Bullen, Ken	076 384777	
	076 395811 fax	
	015584788 mobile	QLD/NSW/VIC
Cameron, Stephen	03 6336 5422	Tasmania
Cirami, Richard	08 8562 8273	
	08 8562 8415 fax	Australia
Collins, David	08 9622 6100	
	08 9622 1902 fax	
	0154 42694 mobile	Central Western Wheatbelt of Western Australia
Cook, Bruce	07 5482 1522	
	07 5482 1529 fax	Queensland
Cooling, Beth	07 5533 2277 ph/fax	
	0414 533301 mobile	Gilston, Queensland
Cooper, Katharine	08 8303 6563	
	08 8303 7119 fax	Australia
Cross, Richard	64 3 325 6400	
	64 3 325 2074 fax	New Zealand
Cunneen, Thomas	046 512 600	
	046 512 578 fax	Sydney Region
Darmody, Liz	03 9756 6105	
	03 9752 0005 fax	Australia
Davidson, James	02 6246 5071	
	02 6246 5399 fax	High rainfall zone of temperate Australia
Dawson, Iain	02 6251 2293	ACT, South East NSW
Derera, Nicholas AM	02 69639 3072 ph/fax	Australia
Downes, Ross	02 6255 1461 ph/fax	
	0412 255256 mobile	ACT, South East Australia
Dunstone, Bob	02 6281 1754 ph/fax	South East NSW
Edwards, Megan	050 245 603	
	050 514 523 fax	VIC/NSW
Fennell, John	64 3 3252416	
	64 3 3252417 fax	New Zealand
FitzHenry, Daniel	048 622 487	
	048 622 199 fax	
	018412542 mobile	Sydney and surrounding districts
Fleming, Graham	03 9756 6105	
	03 9752 0005 fax	Australia
Fletcher, Rob	07 5465 4126	
	07 5460 1112 fax	Australia
Foster, Kevin	089 3683670	Mediterranean areas of Australia
Fox, Primrose	02 9629 2245	
	02 9629 4665 fax	Sydney
Friend, Joe	066 886 150 ph/fax	Northern QLD & NSW
Frkovic, Edward	069 627 333	
	069 641 311 fax	Australia
Gardner, Anne	02 6246 5374	
	02 6246 5399 fax	Australia, New Zealand
George, Doug	07 5460 1308	
	07 5460 1112 fax	Australia
Gellert, Valerie	03 5573 0900	
	03 5571 1523 fax	Victoria
Gingis, Aron	03 9887 6120	
	03 9769 1522 fax	
	0419 878658 mobile	Victoria, South Australia and Southern NSW
Goulden, David	64 3 325 6400	
	64 3 325 2074 fax	New Zealand
Hacker, Bryan	07 3377 0210	
	07 3371 3946 fax	South QLD, Northern NSW
Hanger, Brian	03 9756 7532	
	03 9752 0603 fax	
	0418 146972 mobile	Victoria
Hanger, David	07 5460 1317	
	07 5460 1112 fax	Australia
Hare, Ray	067 631 232	
	067 631 222 fax	QLD, NSW VIC & SA
Harrison, Peter	08 8948 1894 ph/fax	
	0150 34083 mobile	Tropical/Sub-tropical Australia, including NT and NW of WA and tropical arid areas
Hempel, Maciej	046 280 376	
	046 252 293 fax	NSW, QLD, VIC, SA
Henry, Robert J	066 203 010	
	066 222 080 fax	Australia
Herrington, Mark	07 5441 2211	
	07 5441 2235 fax	Southern Queensland
Hockings, David	07 5494 3385 ph/fax	Southern Queensland
Imrie, Bruce	07 3377 0238	
	07 3377 0410 fax	SE Queensland
Iredell, Janet Willa	07 3202 6351 ph/fax	SE Queensland
Jack, Brian	08 9952 5040	
	08 9952 5053 fax	South West WA
Johnston, Margaret	07 5460 1240	
	07 5460 1455 fax	SE Queensland
Jotic, Predo	03 6266 4305	
	03 6266 4518 fax	Tasmania
Jusaitis, Manfred	08 8336 3755	
	08 8336 1827 fax	South Australia
Kaapro, Jyri	02 9736 1233	
	02 9743 6348 fax	Sydney and surrounding areas
Kadkol, Gururaj	03 5382 1269	
	03 5381 1210 fax	North Western Victoria
Kennedy, Peter	063 821 077	
	063 822 228 fax	Australia
Kerly, Rod	03 9775 3113	
	03 9787 5623 fax	Australia
Kidd, Charles	08 8842 3591	
	08 8842 3066 fax	Southern Australia

Kirby, Greg	08 8201 2176	
	08 8201 3015 fax	South Australia
Kirby, Neil	047 542 637	
	047 542 640 fax	New South Wales
Kirkham, Roger	03 5957 1200	
	03 5957 1210 fax	
	0153 23713 mobile	Victoria
Knights, Edmund	067 631 100	
	067 631 222 fax	North Western NSW
Kulkarni, Vinod	08 9992 2221	
	08 9992 2049 fax	Australia
Kwan, Brian	03 5943 1088	
	03 5943 1146 fax	Australia
Law, Mary Ann	076 384 322	
	076 384 271 fax	Toowoomba region
Lee, Peter	03 6330 1147	
	03 6330 1927 fax	SE Australia
Lee, Slade	066 203 410	
	066 222 080 fax	Queensland/Northern New South Wales
Lenoir, Roland	02 6231 9063 ph/fax	Australia
Leske, Richard	076 713 136	
	076 713 113 fax	Cotton growing regions of QLD & NSW
Lewis, Gregory	07 5460 1301	
	07 5460 1112 fax	Southern QLD, Northern NSW
Loch, Don	07 5482 1522	
	07 5482 1529 fax	Queensland
Lowe, Greg	02 4389 8750	
	02 4389 4958 fax	
	0411 327390 mobile	Sydney, Central Coast NSW
Lubomski, Marek	07 5525 3023 ph/fax	NSW & QLD
Lunghusen, Mark	03 9752 0477	
	03 9752 0028 fax	
	0155 15845 mobile	Melbourne & environs
Mackay, Alastair	08 9310 5342 ph/fax	
	0159 87221 mobile	Western Australia
Martin, Stephen	03 6233 5829	
	03 6231 4508 fax	
	0418 123006 mobile	Tasmania
McMichael, Prue	08 8373 2488	
	08 8373 2442 fax	SE Australia
McRae, Tony	079 545 100	
	079 545 167 fax	Australia
Miller, Jeff	64 6 358 6019 extn 8106	
	64 3 351 8032 fax	Manawatu region, New Zealand
Mitchell, Leslie	03 5821 2021	
	03 5831 1592 fax	VIC, Southern NSW
Molyneux, William	03 9728 1222	
	03 9728 4840 fax	Victoria
Morgan, Stuart A	08 9368 3500	
	08 9474 2840 fax	South West Division, WA
Morrison, Bruce	03 9210 9251	
	03 9800 3521 fax	East of Melbourne
Nichols, David	03 5977 4755	
	03 5977 4921 fax	SE Melbourne, Mornington Peninsula and Dandenong Ranges, Victoria
Nichols, Phillip	08 9387 7442	
	08 9383 9907 fax	Western Australia
Nutt, Bradley	08 9387 7423/	
	08 93839907 fax	Western Australia
Oates, John	046 512 601	
	046 512 578 fax	Sydney region, Eastern Australia
Paananen, Ian	043 810 051	
	043 810 071 fax	
	0178 26589 mobile	Sydney/Newcastle
Paulin, Robert	08 9368 3308	
	08 9367 2625 fax	
	0191 07244 mobile	South West Western Australia
Platz, Greg	076 398 817	
	076 398 800 fax	QLD, Northern NSW
Porter, Gavin	074-601 231	
	074-601 455 fax	SE QLD, Northern NSW
Poulsen, David	076 612 944	
	076 615 257 fax	SE QLD, Northern NSW
Prescott, Chris	03 5964 2780 ph/fax	
	0194 16655 mobile	Victoria
Pullar, David	03 5822 2222	
	03 5822 2200 fax	
	0418 575 444 mobile	Australia
Quinn, Patrick	03 5427 0485	SE Australia
Reid, Robert	03 6336 5449	
	03 6336 5395 fax	Australia
Richardson, Clive	03 5155 0255 home	
	03 5143 2168 business	NSW and VIC
Robb, John	043 761 330	
	043 761 271 fax	
	0199 19252 mobile	Sydney, Central Coast NSW
Robinson, Ben	08 8373 2488	
	08 8373 2442 fax	SE Australia
Rose, John	076 612 944	
	076 615 257 fax	SE Queensland
Scattini, Walter	07 3356 0863 ph/fax	Tropical and sub-tropical Australia
Scholefield, Peter	08 8373 2488	
	08 8373 2442 fax	SE Australia
Scott, Peter	02 9653 1362	
	02 9653 1072 fax	Sydney region
Singh, Deo	0418 88078 mobile	
	07 3207 5998 fax	Brisbane
Slatter, John	076 350 726	
	076 352 772 fax	
	0155 88086 mobile	Australia
Smart, Geoffrey	067 931 114 ph/fax	
	0191 10307 mobile	New South Wales
Smith, Stuart	03 6336 5234	
	03 6334 4961 fax	SE Australia
Snowball, Richard	089 368 3517	Mediterranean areas of Australia
Stearne, Peter	02 9262 2611	
	02 9262 1080 fax	Sydney, ACT & NSW
Stewart, Angus	043 253 944 ph/fax	Sydney, Gosford
Strange, Pamela	08 8373 2488	
	08 8373 2442 fax	
	0156 06461 mobile	South Australia
Stuart, Peter	076 902 666	
	076 301 063 fax	SE Queensland
Swane, Geoff	068 891 545	
	068 892 533 fax	
	0419 841580 mobile	Central western NSW
Sykes, Stephen	03 5051 3100	
	03 5051 3111 fax	Victoria
Syrus, A Kim	03 8556 2555	
	03 8556 2955 fax	Adelaide
Tan, Beng	08 9266 7168	
	08 9266 2495	Perth & environs
Tancred, Stephen	076 812 931	
	076 814 274 fax	
	0157 62888 mobile	QLD, NSW
Tay, David	07 5460 1313	
	07 5460 1112 fax	Australia
Topp, Bruce	076 811 255	
	076 811 769 fax	SE QLD, Northern NSW
Valentine, Bruce	063 613 919	
	063 613 573 fax	New South Wales
Van Der Ley, John	065 615 047	
	065 615 138 fax	Sydney to Brisbane and New England area
Vertigan, Wayne	03 6336 5221	
	03 6334 4961 fax	Tasmania
Washer, Stewart	08 9300 9995	
	08 9407 5070 fax	
	0196 83642 mobile	Western Australia
Waters, Cathy	068 887 404	
	068 887 201 fax	SE Australia
Watkins, Phillip	08 9525 1800	
	08 9525 1607 fax	Perth Region
Wearing, Alan	074 601 230	
	074 601 455 fax	Australia
Westra Van Holthe, Jan	03 9706 3033	
	03 9706 3182 fax	Australia
Williams, Warren	64 6 356 8019 NZ	
	06 356 8019 AUS	
	06 351 8047 fax AUS	New Zealand
Wilson, Frances	64 3 318 8514	
	64 3 318 8549 fax	Canterbury, New Zealand
Winston, Ted	070 688 796 ph/fax	QLD, Northern NSW and NT
Worrall, Ross	043 481900	
	043 481 910 fax	Australia
Zorin, Clara	07 3207 4306 ph/fax	Eastern Australia

APPENDIX 4

Index of Accredited Non-Consultant 'Qualified Persons'

Name
Ali, S
Baelde, Arie
Barr, Andrew
Bell, David
Birmingham, Erika
Bloomfield, Anthony
Bodman, Keith
Brennan, Paul
Brindley, Tony
Broinowski, Roger
Buchanan, Peter
Bunker, John
Bunker, Kerry
Cameron, Nick
Chivers, Ian
Clayton-Greene, Kevin
Coker, Julian
Constable, Greg
Cook, Esther
Cooper, Kath
Costin, Russell
Craig, Andrew
Cruickshank, Alan
Dale, Gary
Damen, Stephen
Davidson, Jim
Dear, Brian
Done, Anthony Alec
Donnelly, Peter
Downe, Graeme
Eastwood, Russell
Eisemann, Robert
Elliott, Philip
Enneking, Dirk
Fitzsimmons, Laurie
Flavel, Greg
Foster, Pauline
Gibson, Peter
Goodwin, Peter
Green, Alan
Guy, Graeme
Hall, Nicola
Harden, Patrick
Hart, Ray
Hatfield, Peter
Higginbotham, Russ
Higgs, Robert
Hollamby, Gil
Holland, Mark
Howie, Jake
Huxley, Ian
Irwin, John
Jupp, Noel
Kaehne, Ian
Kennedy, Chris
Knight, Ronald
Knights, Ted
Knox, Graham
Kobelt, Eric
Lake, Andrew
Landers, Kate
Liu, Chunji
Loi, Angelo
Luckett, David
Lullfitz, Robert
Macleod, Nick
Mann, Dorham
Mason, Lloyd
Mcdonald, David
Mcmaugh, P
Mendham, Neville
Menzies, Kim
Milne, Carolyn
Moody, David
Moore, Stephen
Neilson, Peter
Norriss, Michael
Oakes, John
Offord, Cathy
Oram, Rex
Pearce, Bob
Perrott, Neil
Reese, Nicholas
Reid, Peter
Rose, Ian
Salmon, Alexander
Sammon, Noel
Sandral, Graham
Sanewski, Garth
Schreuders, Harry
Scott, Peter
Scott, Ralph
Smith, Raymond
Smith, Sue
Song, Leonard
Sully, Helen
Swane, Robert
Trimboli, Daniel
Turner, Matthew
Tuttleby, Richard
Vaughan, Peter
Weatherly, Lilia
Whalley, R.D.B.
Whiley, Tony
Whiting, John
Williams, Rex
Wilson, Rob
Wilson, Stephen
Wrigley, John
Yan, Guijun

APPENDIX 5

ADDRESSES OF UPOV AND MEMBER STATES

International Union for the Protection of New Varieties of Plants (UPOV):

International Union for the
Protection of New Varieties of Plants
(UPOV)
34, Chemin des Colombettes
CH-1211
Geneva 20
SWITZERLAND

Phone: (41-22) 338 9111
Fax: (41-22) 733 0336

Plant Variety Protection Offices in individual UPOV Member States:

ARGENTINA
Instituto Nacional de Semillas
Ministerio de Economia
Secretaria de Agricutura
Ganaderia y Pesca
Avda. Paseo Colon 922-3.
Piso, 1063 Buenos Aires

Phone: (54 1) 362 39 88
Fax: (54 1) 349 24 17

AUSTRALIA
Registrar
Plant Breeders Rights Office
P O Box 858
Canberra ACT 2601

Phone: (61 2) 6272 38 88
Fax: (61 2) 6272 36 50

AUSTRIA
Bundesamt und Forschungszentrum
fur Landwirtschaft
Sortenschutzamt
Postfach 400
Spargelfeldstrasse 191
A- 1226 Wien

Phone: (43 1) 288 16 20 02
Fax: (43 1) 288 16 42 11

BELGIUM
Ministere de classes moyennes et de l'agriculture
Service de la protection des obtentions
vegetales et des catalogues nationaux
Tour WTC/3- 6eme etage
Avenue Simon Bolivar 30
B-1000 Bruxelles

Phone: (32 2) 208 37 28
Fax: (32 2) 208 37 05

CANADA
The Commissioner of Plant Breeders' Rights
Agriculture and Agri-Food Canada
Plant Industry Directorate
Plant Products Division
3rd Floor, East Court
Camelt Court
59 Camelot Drive
Nepean, Ontario
K1A OY9

Phone: (613) 952 80 00
Fax: (613) 992 52 19

CHILE
Ministerio de Agricultura
Servicio Agricola y Ganadero
Department de Semillas
Avenida Bulnes 140
Santiago de Chile

Phone: (56 2) 696 29 96
Fax: (56 2) 696 64 80

COLUMBIA
Sr. Jorge Enrique Suarez Corredor
Jefe Division de Semillas
Instituto Colombiano Agropecuario (I.C.A)
Ministerio de Agricultura
Oficina 413
Calle 37 No 8-43, Of. 501
Santa Fe de Bogota, D.F.

Phone: (57 1) 232 4697
Fax: (57 1) 232 4695

CZECH REPUBLIC
Ministry of Economy
External Relations Department
Tesnov 17
117 05 Prague 1

Phone: (42) 2 286 25 33
Fax: (42) 2 231 44 77

DENMARK
Plantenyhedsnaevnet
Teglvaerksvej 10
Tystofte
DK-4230 Skaelskoer

Phone: (45) 53 59 61 41
Fax: (45) 53 59 01 66

ECUADOR (new member)
(Address to be advised)

FINLAND
Plant Variety Rights Office
Ministry of Agriculture and Forestry
PO Box 232
SF-00171 Helsinki

Phone: (358) 01 60 33 16
Fax: (358) 01 60 24 43

FRANCE
Comite de la protection des obtentions vegetales
11, rue Jean Nicot
F-75007 Paris

Phone: (331) 42 75 93 14
Fax: (331) 42 75 94 25

GERMANY
Bundessortenamt
Postfach 61 04 40
D-30604 Hannover

Phone: (49 511) 95 66 5
Fax: (49 511) 56 33 62

HUNGARY
Hungarian Patent Office
Magyar Szabadalmi Hivatal
Garibaldi-u.2-B.P. 552
H-1370 Budapest

Phone: (36 1) 112 44 00
Fax: (36 1) 131 25 96

IRELAND
Senior Inspector
Controller of Plant Breeders' Rights
Department of Agriculture, Food & Forestry
Agriculture House
Kildare Street
Dublin 2

Phone: (353) 1 607 20 00
Fax: (353) 1 661 62 63

ISRAEL
Plant Breeders' Rights Council
The Volcani Center
PO Box 6
Bet-Dagan 50 250

Phone: (972) 3 968 34 92
Fax: (972) 3 968 34 92

ITALY
Ufficio Centrale Brevetti e Marchi
Ministero dell'Industria,
del Commercio e dell'Artigianato
19,via Molise
I-00187 Roma

Phone: (39 6) 47 05 1
Fax: (39 6) 47 05 30 35

JAPAN
Director of Seeds and Seedlings Division
Agricultural Production Bureau
Ministry of Agriculture, Forestry and Fisheries
1-2-1 Kasumigaseki - Chiyoda-ku
Tokyo 100

Phone: (81 3) 35 91 05 24
Fax: (81 3) 35 02 65 72

MEXICO (new member)
(Address to be advised)

NETHERLANDS
Raad voor het Kwekersrecht
Postbus 104
NL-6700 AC Wageningen

Phone: (31 317) 41 90 31
Fax: (31 317) 42 58 67

NEW ZEALAND
Commissioner of Plant Variety Rights
Plant Variety Rights Office
PO Box 24
Lincoln

Phone: (64 3) 325 63 55
Fax: (64 3) 325 29 46

NORWAY
Planteosortsnemnda
(The Plant Variety Board)
Fellesbygget
N-1432 As

Phone: (47) 64 94 75 04
Fax: (47) 64 94 02 08

PARAGUAY
Ministerio de Agricultura y Ganaderia
Direccion de Semillas (DISE)
Gaspar R. de Francia No. 685
c/ Mcal. Estigarribia
San Lorenzo

Phone: (595) 21 58 22 01
Fax: (595) 21 58 46 45

POLAND
The Director
Research Center of Cultivars Testing (COBORU)
63-022 Slupia Wielka

Phone: (48 667) 535 58 or 523 41
Fax: (48 667) 535 58

PORTUGAL
Centro Nacional de Registo de Variedades Protegidas (CENARVE)
Edificio II do CNPPA
Tapada da Ajuda
P-1300 Lisboa

Phone: (351) 1 362 16 07
Fax: (351) 1 362 16 06

SLOVAKIA
Ministry of Agriculture
Dodrovicova 12
812 66 Bratislava

Phone: (42) 736 85 61
Fax: (42) 745 62 94

SOUTH AFRICA
The Registrar of Plant Breeders' Rights
Private Bag X 258
0001 Pretoria

Phone: (27 12) 319 7202
Fax: (27 12) 319 7279

SPAIN
Registro de Variedades
Instituto Nacional de Semillas y Plantas de Vivero
Jose Abascal, 4
280003- Madrid

Phone: (34 1) 347 66 00
Fax: (34 1) 594 27 68

SWEDEN
Statens vaxtsortnamnd
Box 1247
S-171 24 Solna

Phone: (46) 8 730 66 30
Fax: (46) 8 833 170

SWITZERLAND
Bundesamt fur Landwirtschaft
Buro fur Sortenschutz
Mattenhofstr. 5
CH-3003 Bern

Phone: (41 31) 322 25 24
Fax: (41 31) 322 26 34

UKRAINE
State Patent Office of Ukraine
8 Lvov Square
254655 Kiev 53, GSP- 655

Phone: (880 44) 212 50 82
Fax: (880 44) 212 34 49

UNITED KINGDOM
The Plant Variety Rights Office
White House Lane
Huntingdon Road
Cambridge CB3 OLF

Phone: (44 1223) 34 23 81
Fax: (44 1223) 34 23 86

UNITED STATES OF AMERICA
(For PVP)
The Commissioner
Plant Variety Protection Office
Agricultural Marketing Service
Department of Agriculture
Beltsville, Maryland 20705-2351

Phone: (1 301) 504 55 18
Fax: (1 301) 504 52 91
(For Plant Patent)
The Commissioner of Patents and Trademarks
Patent and Trade Mark Office
Box 4
Washington DC 20231
Phone: (1 703) 305 93 00
Fax: (1 703) 305 88 85

URUGUAY
Ministerio de Ganaderia, Agricultura y Pesca
Direccion General -Servicios Agricolas
Unidad de Semillas
Ava. Milan 4703
12.900 Montevideo

Phone: (59 82) 39 84 10
Fax: (59 82) 39 78 32

EUROPEAN UNION
(for applications filed within the EU)

Community Plant Variety Office
B.P. n 2141
49021 Anger
FRANCE Cedax 02
Phone: (33 2) 41 36 84 50
Fax: (33 2) 41 36 84 60

CURRENT STATUS OF PLANT VARIETY PROTECTION LEGISLATURE IN UPOV MEMBER COUNTRIES

Argentina[2]
Australia[2,5]
Austria[2,4]
Belgium[1,4]
Canada[2]
Chile[2]
Czech Republic[2]
Columbia[2]
Denmark[2,3,4]
Ecuador[2]
Finland[2,4]
France[2,4]
Germany[2,4]
Hungary[2]
Ireland[2,4]
Israel[2,3]
Italy[2,4]
Japan[2]
Mexico[2]
Netherlands[2,3,4]
New Zealand[2]
Norway[2]
Paraguay[2]
Poland[2,5]
Portugal[2,4]
Slovakia[2,5]
South Africa[2,5]
Spain[1,4]
Sweden[2,4]
Switzerland[2]
Ukraine[2]
United Kingdom[2,4]
USA[2,5]
Uruguay[2]
(Total 34)

Many non-member states currently have proposals for law to protect plant varieties before their legislatures. Belarus, Bolivia, Brazil, Bulgaria, Kenya, Panama, the Russian Federation, Trinidad and Tobago have initiated with the Council of UPOV the procedure for becoming members of the Union. Mexico has taken steps with a view to ratifying the 1978 Act.

1 Bound by the 1961 Act as amended by the Additional Act of 1972.
2 Bound by the 1978 Act.
3 Bound by the 1991 Act.
4 Member of the European Community which has introduced a (supranational) Community plant variety rights system based upon the 1991 Act.
5 Has already amended its law to conform to the 1991 Act; most other states are in the process of doing so.

APPENDIX 6

CENTRALISED TESTING CENTRES

Under Plant Breeder's Rights Regulations introduced in 1996, establishments may be officially authorised by the PBR office to conduct test growings. An authorised establishment will be known as Centralised Test Centre (CTC).

Usually, the implementation of PBR in Australia relies on a 'breeder testing' system in which the applicant, in conjunction with a nominated Qualified Person (QP), establishes, conducts and reports a comparative trial. More often than not, trials by several breeders are being conducted concurrently at different sites. This makes valid comparisons difficult and often results in costly duplication.

While the current system is and will remain satisfactory, other optional testing methods are now available which will add flexibility to the PBR process.

Centralised Testing is one such optional system. It is based upon the authorisation of private or public establishments to test one or more genera of plants. Applicants can choose to submit their varieties for testing by a CTC or continue to do the test themselves. Remember, using a CTC to test your variety is voluntary.

The use of CTCs recognises the advantages of testing a larger number of candidate varieties (with a larger number of comparators) in a single comprehensive trial. Not only is there an increase in scientific rigour but there are substantial economies of scale and commensurate cost savings. A CTC will establish, conduct and report each trial on behalf of the applicant.

The PBR office has amended its fees so that cost savings can be passed to applicants who choose to test their varieties in a CTC. Accordingly, when 5 or more candidate varieties of the same genus are tested simultaneously, each will qualify for the CTC examination fee of $800. This is a saving of nearly 40% over the normal fee of $1400.

Trials containing less than 5 candidate varieties capable of being examined simultaneously will not be considered as Centralised test trials regardless of the authorisation of the facility. Candidate varieties in non-qualifying small trials will not qualify for CTC reduction of examination fees.

Establishments wishing to be authorised as a CTC may apply in writing to the PBR office outlining their claims against the selection criteria. Initially, only one CTC will be authorised for each genus. Exemptions to this rule can be claimed due to special circumstances, industry needs and quarantine regulations. Authorisations will be reviewed periodically.

Authorisation of CTCs is not aimed solely at large research institutions. Smaller establishments with appropriate facilities and experience, can also apply for CTC status. There is no cost for authorisation as a CTC.

APPLICATIONS FOR AUTHORISATION AS A 'CENTRALISED TESTING CENTRE'

Establishments interested in gaining authorisation as a Centralised Testing Centre should apply in writing addressing each of the Conditions and Selection Criteria outlined below.

Conditions and Selection Criteria

To be authorised as a CTC, the following conditions and criteria will need to be met:

Appropriate facilities

While in part determined by the genera being tested, all establishments must have facilities that allow the conduct and completion of moderate to large scale scientific experiments without undue environmental influences. Again dependent on genera, a range of complementary testing and propagation facilities (e.g. outdoor, glasshouse, shadehouse, tissue culture stations) is desirable.

Experienced staff

Adequately trained staff, and access to appropriately accredited Qualified Persons, with a history of successful PVR/PBR applications will need to be available for all stages of the trial from planting to the presentation of the analysed data. These staff will require the authority to ensure timely maintenance of the trial. Where provided by the PBR office, the protocol and technical guidelines for the conduct of the trial must be followed.

Substantial industry support

Normally the establishment will be recognised by a state or national industry society or association. This may include/be replaced by a written commitment from major nurseries or other applicants, who have a history of regularly making applications for PBR in Australia, to use the facility.

Capability for long term storage of genetic material

Depending upon the genus, a CTC must be in a position to make a long term commitment to collect and maintain, at minimal cost, genetic resources of vegetatively propagated species as a source of comparative varieties. Applicants indicating a willingness to act as a national genetic resource centre in perpetuity will be favoured.

Contract testing for 3rd Parties

Unless exempted in writing by the PBR office operators of a CTC must be prepared to test varieties submitted by a third party.

Relationship between CTC and 3rd Parties

A formal arrangement between the CTC and any third party including fees for service will need to be prepared and signed before the commencement of the trial. It will include among other things: how the plant material will be delivered (e.g. date, stage of development plant, condition etc); allow the applicant and/or their agent and QP access to the site during normal working hours; and release the use of all trial data to the owners of the varieties included in the trial.

One trial at a time

Unless exempted in writing by the PBR office, all candidates and comparators should be tested in a single trial.

One CTC per genus

Normally only one CTC will be authorised to test a genus. Special circumstances may exist (environmental factors, quarantine etc) to allow more than one CTC per genus, though a special case will need to be made to the PBR office.

One CTC may be authorised to test more than one genus.

Authorisations for each genus will be reviewed periodically.

Brief details of all applications for authorisation as a CTC will be published in the Plant Varieties Journal 10(2) with a list of all authorised establishments published in each edition thereafter.

Authorised Centralised Test Centres (CTCs)

Following publication of applications for accreditation and ensuing public comment, the following organisations/individuals are authorised to act as CTCs. Any special conditions are also listed.

Name	Location	Approved Genera	Facilities	Name of QP	Date of accreditation
Agriculture Victoria, National Potato Improvement Centre	Toolangi, VIC	Potato	Outdoor, field, greenhouse, tissue culture laboratory	R Kirkham G Wilson	31/3/97
Bureau of Sugar Experiment Stations	Cairns, Tully, Ingham, Ayr, Mackay, Bundaberg, Brisbane QLD	*Saccharum*	Field, glasshouse, tissue culture, pathology	T McRae	30/6/97
Ag-Seed Research	Horsham and other sites	Canola	Field, glasshouse, shadehouse, laboratory and biochemical analyses	G Kadkol	30/6/97
Agriculture Western Australia	Northam WA	Wheat	Field, laboratory	D Collins	30/6/97
University of Sydney, Plant Breeding Institute	Camden, NSW	*Argyranthemum, Diascia, Mandevilla*, Oats	Outdoor, field, irrigation, greenhouses with controlled micro-climates, controlled environment rooms, tissue culture, molecular genetics and cytology lab.	T Cunneen J Oates	30/6/97
Boulters Nurseries Monbulk Pty Ltd	Monbulk, VIC	Clematis	Outdoor, shadehouse, greenhouse	M Lunghusen	30/9/97

The following applications are pending:

Name	Location	Genera applied for	Facilities	Name of QP
Geranium Cottage Nursery	Galston, NSW	Pelargonium	Field, controlled environment house	G Dale
Outeniqua Nursery	Monbulk, VIC	Unspecified	Outdoor, glasshouse	
University of Queensland, Gatton College	Lawes, QLD	Tropical pastures, ornamental and bedding sp., wheat, millet, *Prunus, Capsicum, Glycine, Ipomea, Vigna, Lycopersicon,* Asian vegetables, Tropical fruits, *Solanum*	Field, irrigation, glasshouse, small phytotron, plant nursery & propagation, tissue culture, seed and chemical lab, cool storage	L Bahnisch R Fletcher D George M Johnston G Lewis G Porter D Tay A Wearing D Hanger

Comments (both for or against) either the continued accreditation of a CTC or applications to become a CTC are invited. Written comments are confidential and should be addressed to:

The Registrar
Plant Breeders Rights Office
PO Box 858
CANBERRA ACT 2601
Fax (02) 6272 3650

Closing date for comments: 15 December 1997.

ADVERTISE YOUR NEW VARIETY OR SERVICES IN THE

Plant Varieties Journal

Plant Breeders and their agents are invited to take this opportunity to promote their new plant varieties by advertising in the Plant Varieties Journal. Consultant Qualified Persons are also invited to advertise their services. The Journal is well circulated throughout the horticultural and agricultural industry. Advertising in the Journal will promote the commercialisation of new plant varieties and the services offered by the qualified persons. Our policy is to promote the varieties which are currently in the PBR scheme and the services of those who are currently accredited by the PBR office.

The Journal also has a Service Directory. This Directory is suitable for advertising the services provided by Consultant Qualified Persons, Agents, Patent Attorneys, CTC sites or photographers.

Advertising is available at a casual space rate as well as a four times rate, attracting a considerable discount of 25%! Advertisements will be published on the back cover or inside front and back covers. The front cover is restricted to full colour photographs of a PBR variety.

Advertising Rates

			Casual	4 issues
Front Cover		Colour	$1000.00	$3000.00
Back Cover	(Full Page only)	Colour	750.00	2250.00
	(Full Page only)	Mono	500.00	1500.00
Inside Front Cover	(Full Page)	Mono	400.00	1200.00
	(Half Page)	Mono	250.00	750.00
Inside Back Cover	(Full Page)	Mono	300.00	900.00
	(Half Page)	Mono	200.00	600.00
Service Directory	(6cm x 6cm)	Mono	50.00 per spot	

For bookings or further information please contact Kathryn Dawes-Read on 02 6272 4228, fax 02 6272 3650 or email Kathryn.Dawes-Read@dpie.gov.au

SERVICE DIRECTORY

WARATAH SEED CO. LTD.

The Seed Professionals

Broadacre Crop Seed Specialists

All Members NSW Registered Cereal Growers

Will Licence, Sub Licence or Contract grow your varieties under Internal, Registered or Certified Schemes

Professional Seedgrowers with strong affiliations Australia wide

"We are ready to grow"

Contact:
Chairman Hugh Roberts, **Phone (02) 6942 1184**
Fax (02) 6942 3337
Secretary Bill Freebairn, **Phone or Fax (02) 6864 3211**

For further information about any advertising in the Plant Varieties Journal call us now.
06 272 4228

Important Message for Plant Breeders and Owners of New Varieties!

Do you have a new plant and are unsure of the potential market?

Do you need help with a Plant Breeders Rights Application?

Do you need help or advice on marketing?

Do you need any help or advice at all?

Call us, for proven expertise in plant promotions!

- We can provide assistance with Trials, Plant Breeders Rights Applications, Test Marketing and full commercialisation both in Australia and overseas.
- We can give general advice on almost any subject related to ornamental marketing and promotions.
- We can arrange that all plant material with various APG members both in Australia and overseas with **guaranteed security and confidentiality.**
- We can provide qualified legal advice.

The Australian Perennial Growers' inhouse facilities include label design and product information services. In addition their advertising agency has the responsibility for professionally developing mail-order consumer promotion advertising and point of sale material to support the promotion of the plants.

With these resources Australian Perennial Growers are already recognised as the new power in perennial growing.

For the right advice call the ornamental plant professionals...

APG

Australian Perennial Growers

The Power in Perennial Promotions

Call us toll free on 1800 659 297 or fax (066) 68 5810. PO Box 260, Ballina NSW 2478.