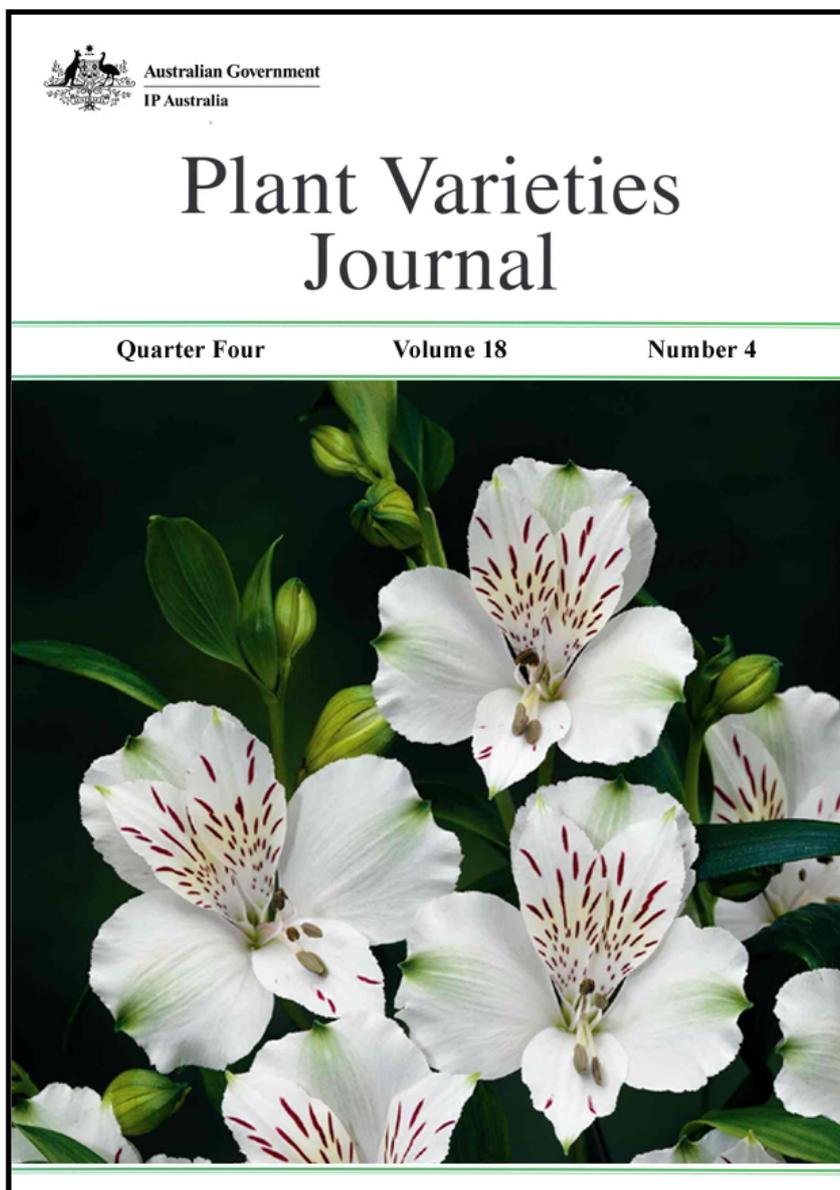




Australian Government
IP Australia

Plant Varieties Journal - Optimised for Screen-Viewing



Plant Varieties Journal

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

Quarter Four 2005

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Part 1 General Information

Part 1 of *Plant Varieties Journal* provides the link with the General Information about the Plant Breeder's Rights scheme, the procedures for objections and revocations, UPOV developments, Important Changes etc. The General Information pages of *Plant Varieties Journal (Vol. 18 Issue 4)* are listed below:

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Interactive Variety Description System (IVDS)

For preparing the detailed description, the Plant Breeder's Rights Office (PBRO) has released the Interactive Variety Description System (IVDS) in the Internet (https://pbr-ivds.ipaustralia.optus.com.au/pbr_ivds/) for the Qualified Persons (QPs).

In the beginning of April 2005, all QPs have officially been notified of this new system giving them access to IVDS with their individual user name and password. The main purpose of the system is to harmonise variety descriptions at both national and international level and make the PBR application process as smooth and efficient as possible.

The IVDS allows QPs to fill in descriptions on-line by accessing relevant test guidelines and selecting specific characteristics with their various states of expressions from the options provided. The IVDS incorporated all of the approved UPOV test guidelines (and some national equivalents where a UPOV test guideline is not available) into interactive forms with easy to use drop-down menus. QPs can "build" their own additional/special characteristics if they are not available in the guideline. The IVDS also accepts statistical information.

The IVDS emphasises the use of "grouping characteristics" in selecting comparator varieties. Finally, it allows QPs to lodge the completed variety descriptions on-line. There is a minimum typing involved in the process.

The PBRO anticipates that the QPs had the opportunity to familiarise themselves with IVDS during the testing and demonstration phase (August – Dec 2004) and could operate the system comfortably. There are **step by step on-screen instructions with examples in each step of IVDS**, which will assist the QPs to complete the process smoothly. In addition, PBRO is ready to help QPs, if they encounter any problem. Please send an e-mail to pbr@ipaustralia.gov.au if there is a problem in completing the description using IVDS.

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Objections and revocations

Objections to Applications and Requests for Revocation of a Grant or of a Declaration that a Plant Variety is Essentially Derived from Another Plant Variety

The Plant Breeder's Rights scheme is administered consistent with the model law of *the International Convention for the Protection of New Plant Varieties 1991 (UPOV 91)*, that is, applicants are entitled to protection, in the absence of proof to the contrary.

The Plant Breeder's Rights Office (PBRO) is not required to advocate for the views, assertions, and opinions of persons challenging an application for plant breeder's rights. Those objecting to applications, requesting revocation of a grant, or seeking a declaration that a plant variety is essentially derived from another plant variety should provide sufficient probative evidence to enable the Secretary to be satisfied of their validity of their claims. It cannot be stressed too strongly that all available evidence ought to accompany the application for objection/revocation/declaration at the outset.

Occasionally the PBRO receives comments on applications. The PBRO seeks to give effect to the processes set out in the PBR Act. The Act provides for a formal objection process, and comments are not formal objections. Where members of the public genuinely believe their commercial interests would be affected and that PBR for a proposed variety ought not to be granted, they are encouraged to use the Act's processes, eg. lodging an objection. Comments are simply informal information from the public to a governmental decision maker. The PBRO will generally not engage in further communication with the commentator regarding their comment, although the comment may be valuable in alerting the PBRO to an important matter of which it was previously unaware.

Objections to Applications

A person may make objections to applications for PBR if (i) their commercial interests would be affected adversely, and (ii) the application will not fulfil all the conditions required by the *Plant Breeder's Rights Act*.

Objections to applications must be lodged with the Registrar no later than six months after the date the description of the variety is published in this journal. The objector must provide evidence of adverse affect on their commercial interests and that the application should not be granted.

The Registrar of the Plant Breeder's Rights Office (PBRO) is required to give a copy of the objection to the applicant. The objection is also available to the general public on request. The applicant has the opportunity to respond to the evidence presented. The Registrar then decides whether or not the objection will be upheld and, subsequently, whether the application will be granted. The PBRO is under no obligation to enter into further dialogue regarding an objection or to communicate reasons why an objection is not upheld. If an objection is upheld it will be notified in this journal.

A payment of \$100 is required on lodgement of the objection. Additional costs of \$75 per hour for work undertaken in relation to the objection will be billed to the objector.

Requests for Revocation, (where an individual's interests are affected) of:

- **a Grant**
- **a Declaration that a Plant Variety is Essentially Derived**

A person may, when their interests are affected adversely, apply for the revocation of:

- a grant of PBR; or
- a declaration that a plant variety is essentially derived from another plant variety.

The person requesting revocation is required to lodge a revocation payment fee of \$500. The person seeking revocation of a grant or declaration that a plant variety is essentially derived from another plant, must provide conclusive evidence of adverse affect on their interests and that the grant should be revoked.

The PBRO also accepts information regarding revocation of grants and declarations of essentially derived plant varieties. Such information must demonstrate conclusively that a grant or declaration should not have been made. All written information will be acknowledged. The PBRO is under no obligation to enter into further communication regarding information provided.

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Report on Breeding Issues

A report providing greater clarification of certain 'difficult' and sometimes controversial plant breeding issues has been finalised by a panel of experts. The report defines 'discovery', 'selective propagation' and 'eligible breeding' methodologies as well as canvassing questions and answers to a range of situations. The principal areas covered are the source population and associated issues relating to ownership, location, homogeneity, parentage, boundaries, and selection from variable material. The issue of essentially derived varieties and the relationship between the first and the second breeder(s) is also explored. The [final report](#) of the expert panel is available now.

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Use of Overseas Data

Overseas Testing/Data

The PBR Act allows DUS data produced in other countries (overseas data) be used in lieu of conducting a comparative trial in Australia provided certain conditions are met; relating to the filing of applications, sufficiency of the data and the likelihood that the candidate variety will express the distinctive characteristic(s) in the same way when grown locally. Briefly the overseas data could be considered where:

- The first PBR application relating to the candidate variety has been lodged overseas, and
- the variety has previously been test grown in a UPOV member country using official UPOV test guidelines and test procedures, (i.e. equivalent to a comparative trial in Australia) and
- either, all the most similar varieties of common knowledge (including those in Australia) have been included in the overseas DUS trial, or
- the new overseas variety is so clearly distinct from all the Australian varieties of common knowledge that further DUS test growing is not warranted, and
- sufficient data and descriptive information is available to publish a description of the variety in an accepted format in Plant Varieties Journal; and to satisfy the requirements of the PBR Act.

Taxa that must be trailed in Australia

It is the policy of PBR office to not accept overseas data for the following taxa due to the wide genotype by environment interactions that have been previously experienced. Varietal descriptions from overseas trials have consistently been different from those obtained from trials grown under Australian conditions. Consequently, for the following taxon a full PBR trial must be conducted in Australia:

Solanum tuberosum Potato

The Qualified Person, in consultation with the agent/applicant, and perhaps other specialists and taxonomists, will need to evaluate the overseas data, test report and photographs to see if the application does fulfil all PBR Office requirements, and then advise the agent/applicant:

- either, to submit Part 2 incorporating a description for publication, any additional data and photographs and to pay the examination fee;
- or, to conduct a DUS trial in Australia, recommending to the applicant/agent which additional varieties of common knowledge to include;
- or, submit Part 2 including additional data (information about similar varieties in Australia to show that they are clearly distinct from the candidate variety that a further DUS test growing including the similar varieties is not warranted and that the variety displays the distinctive characteristics when grown in Australia)

Please note that the PBR office does not obtain overseas DUS test reports on behalf of applicants. It is the sole responsibility of the applicants to obtain these reports directly from the relevant overseas testing authorities. Where applicants already have the report they are advised to submit a certified true copy of the report with the Part 1 application. Applicants, or

those duly authorised, may certify the copy.

If you do not have the test report available at the time of Part-1 application then you are advised to submit the Part-1 application without the test report. However, you should make arrangements to procure the DUS test report directly from the relevant testing authority. When the report becomes available, a certified copy should be supplied to the QP and the PBR office.

When the trial is based on an UPOV technical guideline and test report in an official UPOV language (English, German or French), it can be lodged in support of the application. In other cases the test reports must be in English.

The applicant/agent and Qualified Person should use the overseas test report to complete Part 2 of the application, making a decision on how to proceed in view of the completeness of the information, the comparators (if any) used in the overseas DUS trial and their knowledge of similar Australian varieties that may not have been included in the overseas test report.

If a description is based on an overseas test report, Australian PBR will not be granted until after the decision to grant PBR in the country producing the DUS test is made. The final decision on the acceptability of overseas data rests with the PBR office.

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PBR Infringement

Grantees should be aware of recent revisions to infringement provisions of the [Plant Breeder's Rights Act 1994](#) (see [section 54](#)) and related provisions of the Federal Court Rules (see order 58 rule 27) both of which can be found at the [SCALEplus](#) site

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On-line Database for PBR Varieties

The PBR Office has a comprehensive service for Internet users ~ a searchable database for all Australian PBR varieties, both past and present. The database features a detailed description and image for every variety granted full rights and basic information for other PBR varieties. Searches by genus, species, common name, variety name and titleholder are some of its many advantages. Varieties for which an application has been lodged but not yet accepted in the PBR scheme are not included in this database. Please browse the Plant Breeder's Rights [on-line database](#) and provide your feedback.

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Cumulative Index to Plant Varieties Journal

The cumulative index to the *Plant Varieties Journal* has been updated to include variety information from all hardcopy versions upto volume 16 issue 3. After that issue the *Plant Varieties Journal* is only published in the electronic format and there is no need for a cumulative index, as the variety information can be easily searched in the [PBR Webdabase](#) and also by **downloading** the *Plant Varieties Journal* electronically.

The final updated version of the **cumulative index** is available in PBR website. This document has information upto *Plant Varieties Journal volume 16 issue 3*. The PBR office recommends to use its [PBR Webdatabse](#) to get most updated information on variety registration. The webdatabse is updated on a weekly basis.

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Applying for Plant Breeder's Rights

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

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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.

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UPOV Developments

The UPOV Convention provides the international legal framework for the granting of plant breeders' rights which are a key element in encouraging breeders to pursue and enhance their search for improved varieties with benefits such as higher yield and quality and better resistance to pests and diseases. Plant breeders' rights thereby help to enhance sustainable agriculture, productivity, income, international trade and economic development in general.

The members of UPOV are:

Albania (as of 15 Oct 2005), Argentina, Australia, Austria, Azerbaijan, Belarus, Belgium, Bolivia, Brazil, Bulgaria, Canada, Chile, China, Colombia, Croatia, Czech Republic, Denmark, Ecuador, European Community, Estonia, Finland, France, Germany, Hungary, Ireland, Israel, Italy, Japan, Jordan, Kenya, Kyrgyzstan, Latvia, Lithuania, Mexico, Netherlands, New Zealand, Nicaragua, Norway, Panama, Paraguay, Poland, Portugal, Republic of Korea, Republic of Moldova, Romania, Russian Federation, Singapore, Slovakia, Slovenia, South Africa, Spain, Sweden, Switzerland, Trinidad and Tobago, Tunisia, Ukraine, United Kingdom, United States of America, Uruguay and Uzbekistan.

Further Information on UPOV and its activities is available on the website located at <http://www.upov.int>

The adopted UPOV Technical Guidelines (TG) for testing different plant species are now available for this website at

<http://www.upov.int/tg-rom/index-e.htm>

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European Developments

THE NETHERLANDS BOARD FOR PLANT BREEDER'S RIGHTS TRANSFORMED INTO BOARD FOR PLANT VARIETIES

As from the 1 February 2006 the present Seeds and Plant Material Act of the Netherlands has been replaced by a new Act: the 'Seeds and Plant Material Act 2005'. The new legislation is fully in conformity with the 1991 Act of the UPOV convention and contains some minor changes compared to the previous one. As a consequence of the new legislation, the Board for Plant Breeder's Rights has ceased to exist and from 1 February 2006 the national authority in the Netherlands for PBR matters is the Board of Plant Varieties.

For more information visit the website www.plantenrassen.nl

EUROPEAN COMMUNITY BECOMES FIRST INTERGOVERNMENTAL ORGANISATION TO JOIN UPOV

The European Community (EC) became the first intergovernmental organisation to join the International Union for the Protection of New Varieties of Plants (UPOV) when it deposited its instrument of accession with the Secretary-General of UPOV, Dr. Kamil Idris, on June 29, 2005. UPOV is an independent intergovernmental organisation based in Geneva, which administers an international treaty that governs the granting of intellectual property rights to plant breeders to encourage the development of new varieties of plants.

The accession of the EC is a milestone in the history of UPOV and promises to help strengthen the system of plant variety protection around the world and to broaden international cooperation in this area.

Community plant variety rights within the EC are administered by the Community Plant Variety Office (CPVO) in Angers, France. With more than 2,600 applications per year, the CPVO receives the highest number of requests for variety protection among the 59 members of UPOV. The CPVO provides for one application, one examination and one title of protection that is valid and enforceable in all 25 members of the European Union.

The CPVO has announced some likely changes to its Examination and Annual fees. The new rate of Examination fee will range from 1020 to 1200 euros. A list giving the fees foreseen for every species can be viewed at [CPVO website](#). The Annual fee will be reduced to a flat rate of 300 euros for every species until the year 2005. The precise content of the regulations and its entry into force have still to be decided by the European Commission.

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Obligation under the International Convention for the Protection of New Varieties of Plants 1991 (UPOV91)

Consistent with Australia's membership of UPOV 1991, the criteria for the granting of protection under the [Plant Breeder's Rights Act 1994](#) (PBRA) is that the variety: has a breeder; is new, distinct, uniform and stable; has an acceptable name; and that application formalities are completed and relevant fees payed.

Applicants for protection need to be aware of the existence of any other Australian legislation, which could impact on their intended use of the registered variety. Relatedly, administrators of other Australian legislation may have an interest in applications for registration notified in this journal.

It is feasible for a new variety to be registered under the PBRA, but, as the PBRA co-exists with other laws of the land, the exercise of the breeder's right may be restricted by such legislation. For example, current legislation may prohibit the use of that variety in food, or, the growing of that variety as a noxious weed.

The Plant Breeder's Rights Office (PBRO) advises that it is the responsibility of the applicant and of administrators of legislation to take these matters up directly between the responsible parties and not with the PBRO.

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Instructions to Qualified Persons

Instruction to Qualified Persons: Interactive Variety Description System (IVDS) for Preparing Detailed Description for *Plant Varieties Journal*

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The detailed descriptions are accepted only in the IVDS format.

Also, please note that the after finalising the description through IVDS, the QPs will still need to submit the signed hardcopies of the Part 2 documentations in order to complete the application process. Please contact the PBRO (pbr@ipaustralia.gov.au) for further information.

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Important Notice

Interactive Variety Description System (IVDS) goes live in the Internet

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Please note that the variety descriptions will only be accepted in the IVDS format and the old format descriptions will be returned to the QPs.

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Current PBR Forms

To avoid processing delays, it is recommended that the most recent version of the form be used. The electronic forms are available from the IPAustralia Website at

<http://www.ipaustralia.gov.au/pbr/forms.shtml>

These forms are in a PDF format viewable using Acrobat Reader. Printed copies are also available from the IP Australia offices.

Currently the forms cannot be completed electronically, however this facility will be available in the near future as part of a comprehensive review of all PBR forms.

Please note that the form 'Proposed Variety Names' (Form DEN1) and the 'Guidelines for Completing Part 1 Application' are outdated and have been removed from the list.

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Part 2 Public Notices (Acceptances, Descriptions, Grants, etc)

This part of the *Plant Varieties Journal* provides public notices on Acceptances, Variety Descriptions, Grants, Variations etc. The Part 2 Public Notices pages of ***Plant Varieties Journal (Vol. 18 Issue 4)*** are listed below:

- [Home](#)
- [Acceptances](#)
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ACCEPTANCES

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

Agapanthus orientalis

AGAPANTHUS

‘PMN06’

Application No: 2005/318 Accepted: 4 November, 2005

Applicant: **John Maxwell and Gail Alexis Craigie**.

Agent: **Ozbreed Pty Ltd**, Richmond, NSW.

Agapanthus praecox ssp. *orientalis*

AFRICAN LILY, LILY OF THE NILE, AGAPANTHUS

‘Baby Pete’

Application No: 2005/334 Accepted: 20 December, 2005

Applicant: **Francis Rupert Benson**, Pallara, QLD.

Alstroemeria hybrid

PERUVIAN LILY

‘Zalsamot’ syn Emotion

Application No: 2005/281 Accepted: 20 December, 2005

Applicant: **Van Zanten Plants B.V.**

Agent: **Ramm Botanicals Holdings Pty Ltd**, Tuggerah, NSW.

‘Zalsanem’ syn Nemo

Application No: 2005/280 Accepted: 9 November, 2005

Applicant: **Van Zanten Plants B.V.**

Agent: **Ramm Botanicals Holdings Pty Ltd**, Tuggerah, NSW.

‘Zaprinous’ syn Anouska

Application No: 2005/279 Accepted: 9 November, 2005

Applicant: **Van Zanten Plants B.V.**

Agent: **Ramm Botanicals Holdings Pty Ltd**, Tuggerah, NSW.

Avena sativa

OATS

‘Marconi’

Application No: 2005/252 Accepted: 9 November, 2005

Applicant: **State of Queensland through its Department of Primary Industries and Fisheries**, Brisbane, QLD.

Banksia spinulosa var. *collina*

HAIRPIN BANKSIA

‘Lighthouse’

Application No: 2005/225 Accepted: 20 December, 2005

Applicant: **Judith Ann Geary**, Bega, NSW.

Brassica napus

CANOLA

‘AG-Muster’

Application No: 2005/333 Accepted: 21 November, 2005

Applicant: **Ag-Seed Research Pty Ltd**, Horsham, VIC.

‘AV-Jade’

Application No: 2005/231 Accepted: 9 November, 2005

Applicant: **Agriculture Victoria Services Pty Ltd**, Attwood, VIC and **Grains Research and Development Corporation**, Barton, ACT.

‘AV-Opal’

Application No: 2005/230 Accepted: 9 November, 2005

Applicant: **Agriculture Victoria Services Pty Ltd**, Attwood, VIC and **Grains Research and Development Corporation**, Barton, ACT.

‘AV-Ruby’

Application No: 2005/229 Accepted: 9 November, 2005

Applicant: **Agriculture Victoria Services Pty Ltd**, Attwood, VIC and **Grains Research and Development Corporation**, Barton, ACT.

Chamelaucium hybrid

WAXFLOWER

‘Big Painted Lady’

Application No: 2005/339 Accepted: 22 December, 2005

Applicant: **Western Flora**, Coorow, WA.

Cynodon dactylon

COUCHGRASS, BERMUDAGRASS

‘Grand Prix’

Application No: 2005/291 Accepted: 26 October, 2005

Applicant: **David Nickson**, Frankston, VIC.

‘Winter Gem’

Application No: 2005/290 Accepted: 26 October, 2005

Applicant: **David Nickson**, Frankston, VIC.

Dianella tasmanica

FLAX LILY

‘Little Devil’

Application No: 2005/300 Accepted: 22 November, 2005

Applicant: **Phillip Allen Dowling**, Mt Gambier West, SA.

Fragaria xananassa

STRAWBERRY

‘Cal Giant 5’ syn Galexia

Application No: 2005/340 Accepted: 22 December, 2005

Applicant: **California Giant, Inc.**

Agent: **State of Queensland through its Department of Primary Industries and Fisheries**, Brisbane, QLD.

‘Driscoll Agoura’

Application No: 2005/201 Accepted: 20 December, 2005

Applicant: **Driscoll Strawberry Associates, Inc.**

Agent: **Phillips Ormonde & Fitzpatrick**, Melbourne, VIC.

‘Driscoll Lanai’

Application No: 2005/199 Accepted: 20 December, 2005
 Applicant: **Driscoll Strawberry Associates, Inc.**
 Agent: **Phillips Ormonde & Fitzpatrick**, Melbourne, VIC.

‘Driscoll Malibu’

Application No: 2005/198 Accepted: 20 December, 2005
 Applicant: **Driscoll Strawberry Associates, Inc.**
 Agent: **Phillips Ormonde & Fitzpatrick**, Melbourne, VIC.

‘Driscoll Pearl’

Application No: 2005/200 Accepted: 20 December, 2005
 Applicant: **Driscoll Strawberry Associates, Inc.**
 Agent: **Phillips Ormonde & Fitzpatrick**, Melbourne, VIC.

Glycine max

SOYBEAN

‘Bunya’

Application No: 2005/343 Accepted: 22 December, 2005
 Applicant: **Commonwealth Scientific and Industrial Research Organisation**, St Lucia, QLD.

Hakea laurina

PINCUSHION HAKEA

‘PVHL1’

Application No: 2005/157 Accepted: 5 October, 2005
 Applicant: **Phillip T Vaughan**, Curlewis, VIC.

Hordeum vulgare

BARLEY

‘Buloke’

Application No: 2005/206 Accepted: 20 December, 2005
 Applicant: **Parties of the Malting Barley Quality Improvement Program.**
 Agent: **Agriculture Victoria Services Pty Ltd**, Attwood, VIC.

‘Fitzroy’

Application No: 2005/207 Accepted: 20 December, 2005
 Applicant: **Parties of the Malting Barley Quality Improvement Program.**
 Agent: **Agriculture Victoria Services Pty Ltd**, Attwood, VIC.

‘Grout’

Application No: 2005/302 Accepted: 22 November, 2005

Applicant: **State of Queensland through its Department of Primary Industries and Fisheries,**
Brisbane, QLD and **Grains Research and Development Corporation,** Barton, ACT.

‘Quickstar’

Application No: 2005/314 Accepted: 20 December, 2005

Applicant: **Syngenta Seeds Ltd.**

Agent: **Heritage Seeds Pty Ltd,** Howlong, NSW.

‘Starmalt’

Application No: 2005/315 Accepted: 20 December, 2005

Applicant: **Syngenta Seeds Ltd.**

Agent: **Heritage Seeds Pty Ltd,** Howlong, NSW.

‘Vertess’

Application No: 2005/326 Accepted: 20 December, 2005

Applicant: **University of Tasmania and The Crown in Right of the State of Tasmania through the**
Department of Primary Industries, Water and Environment, Kings Meadows, TAS.

‘Yarra’

Application No: 2005/208 Accepted: 20 December, 2005

Applicant: **Parties of the Malting Barley Quality Improvement Program.**

Agent: **Agriculture Victoria Services Pty Ltd,** Attwood, VIC.

Lactuca sativa

LETTUCE

‘Freedom’

Application No: 2005/313 Accepted: 20 December, 2005

Applicant: **Seminis Vegetable Seeds, Inc..**

Agent: **Blake Dawson Waldron,** Melbourne, VIC.

‘Nation’

Application No: 2005/307 Accepted: 20 December, 2005

Applicant: **Rijk Zwaan Zaadteelt en Zaadhandel BV.**

Agent: **Rijk Zwaan Australia Pty Ltd,** Daylesford, VIC.

‘Obregon’

Application No: 2005/305 Accepted: 20 December, 2005

Applicant: **Rijk Zwaan Zaadteelt en Zaadhandel BV**.
Agent: **Rijk Zwaan Australia Pty Ltd**, Daylesford, VIC.

‘Xsara’

Application No: 2005/306 Accepted: 20 December, 2005
Applicant: **Rijk Zwaan Zaadteelt en Zaadhandel BV**.
Agent: **Rijk Zwaan Australia Pty Ltd**, Daylesford, VIC.

Lilium hybrid

LILY

‘Zanlortrofeo’ syn Trofeo

Application No: 2005/270 Accepted: 20 December, 2005
Applicant: **Van Zanten Flowerbulbs B.V.**.
Agent: **F B Rice & Co**, Sydney South, NSW.

‘Zanlorvenna’ syn Ravenna

Application No: 2005/268 Accepted: 20 December, 2005
Applicant: **Van Zanten Flowerbulbs B.V.**.
Agent: **F B Rice & Co**, Sydney South, NSW.

‘Zanlotriumph’ syn White Triumph

Application No: 2005/269 Accepted: 20 December, 2005
Applicant: **Van Zanten Flowerbulbs B.V.**.
Agent: **F B Rice & Co**, Sydney South, NSW.

Lolium multiflorum

ITALIAN RYEGRASS

‘Diplex II’

Application No: 2005/336 Accepted: 22 December, 2005
Applicant: **Upper Murray Seeds**, Tooma, NSW.

Malus domestica

APPLE

‘RS103-130’

Application No: 2005/278 Accepted: 20 December, 2005
Applicant: **State of Queensland through its Department of Primary Industries and Fisheries**,
Brisbane, QLD.

Mandevilla hybrid

MANDEVILLA

‘Sunmandecos’ syn Pink Fantasy

Application No: 2005/297 Accepted: 4 November, 2005

Applicant: **Suntory Flowers Limited.**

Agent: **Ramm Botanicals Pty Ltd**, Tuggerah, NSW.

Ozothamnus diosmifolius

RICEFLOWER

‘Coral Flush’

Application No: 2005/308 Accepted: 9 November, 2005

Applicant: **EG Cook & ER Cook**, Helidon, QLD.

Prunus persica

PEACH

‘New Dimension’ syn DNO2

Application No: 2005/277 Accepted: 20 December, 2005

Applicant: **Brandt's Fruit Trees Inc.**

Agent: **Teak Enterprises Pty Limited**, Kardinya, WA.

Rosa hybrid

ROSE

‘Meimonblan’

Application No: 2005/299 Accepted: 27 October, 2005

Applicant: **Meilland International S.A.**

Agent: **Kim Syrus**, Myponga, SA.

‘Poulra022’

Application No: 2005/335 Accepted: 20 December, 2005

Applicant: **Poulsen Roser A/S.**

Agent: **Griffith Hack**, Perth, WA.

Solanum tuberosum

POTATO

‘Gabriella’

Application No: 2005/267 Accepted: 24 October, 2005

Applicant: **Agrico**.

Agent: **Agrico Australia**, Sydney, NSW.

Stenotaphrum secundatum

BUFFALO GRASS, ST AUGUSTINE GRASS

‘Ned Kelly’

Application No: 2005/298 Accepted: 4 November, 2005

Applicant: **Kevin Roberts**, Millers Forest, NSW.

Syzygium luehmannii

LILLY PILLY, RIBERRY

‘Lulu’

Application No: 2005/262 Accepted: 20 December, 2005

Applicant: **Jo Barber and Chris Barber**, Meldale, QLD.

Tristaniopsis laurina

KANOOKA, WATER GUM

‘DOW10’

Application No: 2005/288 Accepted: 24 October, 2005

Applicant: **Downes Wholesale Nursery Pty Ltd**.

Agent: **Ozbreed Pty Ltd**, Richmond, NSW.

Verbena hybrid

VERBENA

‘Suntapilabu’ syn Lilac Passion

Application No: 2005/296 Accepted: 4 November, 2005

Applicant: **Suntory Flowers Limited**.

Agent: **Ramm Botanicals Pty Ltd**, Tuggerah, NSW.

Vitis vinifera

GRAPE

‘90-2391’

Application No: 2005/301 Accepted: 4 November, 2005

Applicant: **M. Caratan, Inc. and Angel A. Gargiulo.**

Agent: **Griffith Hack**, Melbourne, VIC.

‘Autumn King’

Application No: 2005/293 Accepted: 20 December, 2005

Applicant: **The United States of America, as represented by the Secretary of Agriculture.**

Agent: **Freehills Patent & Trade Mark Attorneys**, Melbourne, VIC.

‘M13-01’

Application No: 2005/310 Accepted: 4 November, 2005

Applicant: **Commonwealth Scientific and Industrial Research Organisation**, Canberra, ACT.

‘Scarlet Royal’

Application No: 2005/292 Accepted: 20 December, 2005

Applicant: **The United States of America, as represented by the Secretary of Agriculture.**

Agent: **Freehills Patent & Trade Mark Attorneys**, Melbourne, VIC.

Xerochrysum hybrid

EVERLASTING DAISY, STRAWFLOWER

‘Wanetta 1’

Application No: 2005/263 Accepted: 9 November, 2005

Applicant: **F D & O B Hockings.**

Agent: **Austraflora Pty Ltd**, Yarra Glen, VIC.

Zantedeschia hybrid

CALLA LILY

‘Purple Heart’

Application No: 2005/265 Accepted: 9 November, 2005

Applicant: **BLOOMZ Ltd.**

Agent: **Boulevard Nurseries Mildura Pty Ltd**, Irymple, VIC.

Variety Descriptions

The following descriptions are published in this issue:

| <u>Common (Genus Species)</u> | <u>Variety</u> | <u>Title Holder</u> |
|--|----------------|--------------------------|
| <u>Lilly Pilly (Acmena smithii)</u> | Mauve Maisie | Dale's Tubestock Nursery |
| <u>Peruvian Lily (Alstroemeria hybrid)</u> | Zaprinous | Van Zanten Plants B.V. |
| <u>Peruvian Lily (Alstroemeria hybrid)</u> | Konovatio | Konst Breeding B.V. |
| <u>Peruvian Lily (Alstroemeria hybrid)</u> | Kogoa | Konst Breeding B.V. |
| <u>Peruvian Lily (Alstroemeria hybrid)</u> | Zaprijul | Van Zanten Plants B.V. |
| <u>Peruvian Lily (Alstroemeria hybrid)</u> | Zalsarest | Van Zanten Plants B.V. |
| <u>Oats (Avena sativa)</u> | Drover | NDSU Research Foundation |
| <u>Canola (Brassica napus)</u> | Rocket CL | Pacific Seeds Pty Ltd |
| <u>Canola (Brassica napus)</u> | Thunder TT | Pacific Seeds Pty Ltd |

| | | |
|---|-------------|---|
| <u>Chickpea (<i>Cicer arietinum</i>)</u> | Nafice | The University of Western Australia, State of Western Australia through its Department of Agriculture, Council of Grain Growers Organisation, Grains Research and Development Corporation |
| <u>Chickpea (<i>Cicer arietinum</i>)</u> | Almaz | The University of Western Australia, State of Western Australia through its Department of Agriculture, Council of Grain Growers Organisation, Grains Research and Development Corporation |
| <u>Couchgrass (<i>Cynodon dactylon</i>)</u> | Grand Prix | David Nickson |
| <u>Couchgrass (<i>Cynodon dactylon</i>)</u> | Winter Gem | David Nickson |
| <u>Perennial Wallflower (<i>Erysimum asperum</i>)</u> | Walfrasan | David R Tristram |
| <u>Cotton (<i>Gossypium hirsutum</i>)</u> | DP 576 BGII | Deltapine Australia Pty Ltd |
| <u>Cotton (<i>Gossypium hirsutum</i>)</u> | DP 570 BGII | Deltapine Australia Pty Ltd |
| <u>Cotton (<i>Gossypium hirsutum</i>)</u> | DP 579 BGII | Deltapine Australia Pty Ltd |
| <u>Cotton (<i>Gossypium hirsutum</i>)</u> | DP 502 RR | Deltapine Australia Pty Ltd |

| | | |
|---|----------------|---------------------------------|
| <u>Cotton</u> <u>(<i>Gossypium</i></u> <u><i>hirsutum</i>)</u> | DP 560 BGII | Deltapine Australia Pty Ltd |
| <u>Cotton</u> <u>(<i>Gossypium</i></u> <u><i>hirsutum</i>)</u> | DP 556 BGII/RR | Deltapine Australia Pty Ltd |
| <u>Cotton</u> <u>(<i>Gossypium</i></u> <u><i>hirsutum</i>)</u> | DP 546 BGII/RR | Deltapine Australia Pty Ltd |
| <u>Cotton</u> <u>(<i>Gossypium</i></u> <u><i>hirsutum</i>)</u> | DP 510 RR | Deltapine Australia Pty Ltd |
| <u>Grevillea</u> <u>(<i>Grevillea</i></u> <u><i>hybrid</i>)</u> | Raptor | Peter James Ollerenshaw |
| <u>Tea Tree</u> <u>(<i>Leptospermum</i></u> <u><i>hybrid</i>)</u> | Alicia Rose | Geoffrey Wallace Watson |
| <u>Tea Tree</u> <u>(<i>Leptospermum</i></u> <u><i>hybrid</i>)</u> | Stephen Rose | Geoffrey Wallace Watson |
| <u>Leucospermum</u> <u>(<i>Leucospermum</i></u> <u><i>cordifolium</i> x</u> <u><i>Leucospermum</i></u> <u><i>glabrum</i>)</u> | Rigoletto | Agricultural Research Council |
| <u>Leucospermum</u> <u>(<i>Leucospermum</i></u> <u><i>glabrum</i> x</u> <u><i>Leucospermum</i></u> <u><i>tottum</i>)</u> | Lance | Proteaflora Enterprises Pty Ltd |
| <u>Mango</u> <u>(<i>Mangifera</i></u> <u><i>indica</i>)</u> | HONEY GEM | AD & ID Leighton |

| | | |
|--|---------------|---|
| <u>Lucerne</u> <u>(<i>Medicago sativa</i>)</u> | PAC701 | The University of Queensland on behalf of the Participants of the Cooperative Research Centre for Tropical Plant Protection and Grains Research and Development Corporation |
| <u>Cape Daisy</u> <u>(<i>Osteospermum fruticosum</i>)</u> | Takegawa AU1 | Sakata Seed Corporation |
| <u>Cape Daisy</u> <u>(<i>Osteospermum fruticosum</i>)</u> | Takegawa AU2 | Sakata Seed Corporation |
| <u>Cape Daisy</u> <u>(<i>Osteospermum fruticosum</i>)</u> | Takegawa AU6 | Sakata Seed Corporation |
| <u>Cape Daisy</u> <u>(<i>Osteospermum fruticosum</i>)</u> | Takegawa AU3 | Sakata Seed Corporation |
| <u>Petunia (<i>Petunia hybrid</i>)</u> | Keilavbu | Keisei Rose Nurseries, Inc. |
| <u>Petunia (<i>Petunia hybrid</i>)</u> | Suncomi | Suntory Flowers Limited |
| <u>Sweet Cherry</u> <u>(<i>Prunus avium</i>)</u> | Dame Roma | Minister for Agriculture, Food and Fisheries and Cherry Growers of SA, SAFF Inc |
| <u>Prunus - Interspecific Plum (<i>Prunus hybrid</i>)</u> | FLAVOR HEART | Zaiger's Inc. Genetics |
| <u>Peach (<i>Prunus persica</i>)</u> | Coconut Ice | The Horticulture and Food Research Institute of New Zealand Limited |
| <u>Peach (<i>Prunus persica</i>)</u> | Silvan Sunset | JFT Nurseries Pty Ltd |
| <u>Peach (<i>Prunus persica</i>)</u> | SWEET DREAM | Zaiger's Inc. Genetics |

| | | |
|---|--------------|---|
| <u>Nectarine</u> <u>(Prunus persica</u> <u>var. nucipersica)</u> | Arctic Mist | Zaiger's Inc. Genetics |
| <u>Nectarine</u> <u>(Prunus persica</u> <u>var. nucipersica)</u> | ARCTIC BLAZE | Zaiger's Inc. Genetics |
| <u>Sugarcane</u> <u>(Saccharum</u> <u>hybrid)</u> | Q221 | BSES Limited |
| <u>Sugarcane</u> <u>(Saccharum</u> <u>hybrid)</u> | Q220 | BSES Limited |
| <u>Sugarcane</u> <u>(Saccharum</u> <u>hybrid)</u> | Q222 | BSES Limited |
| <u>Sugarcane</u> <u>(Saccharum</u> <u>hybrid)</u> | Q223 | BSES Limited |
| <u>Sugarcane</u> <u>(Saccharum</u> <u>hybrid)</u> | Q224 | BSES Limited |
| <u>Subterranean</u> <u>Clover (Trifolium</u> <u>subterraneum</u> <u>var.</u> <u>subterraneum)</u> | Izmir | State of Western Australia through its Department of Agriculture, Grains Research and Development Corporation, Murdoch University and Australian Wool Innovation Limited |
| <u>Wheat (Triticum</u> <u>aestivum)</u> | AGT Young | Agriculture Victoria Services Pty Ltd and Grains Research and Development Corporation |
| <u>Wheat (Triticum</u> <u>aestivum)</u> | AGT Scythe | Australian Grain Technologies Pty Ltd |

| | | |
|---|----------------|--|
| Field Bean (<i>Vicia faba</i>) | Nura | Adelaide Research & Innovation Pty Ltd and Grains Research and Development Corporation |
| Triticale (<i>xTriticosecale</i>) | Pacific Falcon | Agricultural Research Council |

Plant Varieties Journal - Search Result Details

Mango (*Mangifera indica*)**Variety:** 'HONEY GEM'**Synonym:** N/A**Application no:** 2000/105**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 21-Mar-2000**Accepted:** 19-Apr-2000**Granted:** N/A**Description published****in Plant** Volume 18, Issue 4**Varieties****Journal:****Title Holder:** AD & ID Leighton**Agent:** N/A**Telephone:** 0740921038**Fax:** 0740923310

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|---------------------------------|
| Application Number | 2000/105 |
| Variety Name | 'Honey Gem' |
| Genus Species | <i>Mangifera indica</i> |
| Common Name | Mango |
| Synonym | Nil |
| Accepted Date | 19 Apr 2000 |
| Applicant | AD & ID Leighton, Mareeba, QLD. |
| Agent | Nil |
| Qualified Person | A Leighton |

Details of Comparative Trial

| | |
|----------------------------|--|
| Location | Block No.1 34 Jennings Rd. Mareeba QLD 4880 |
| Descriptor | TG 112/3 Mango (<i>Mangifera indica</i>) |
| Period | Established 2000 |
| Conditions | Trial was grown under normal mango orchard conditions. |
| Trial Design | Single row of trees grafted onto 'Kensington Pride' rootstock. Three 'Honey Gem' and three 'Kensington Pride' replicated three times. |
| Measurements | Six metre spacings within the row in a commercial mango orchard with nine metre row spacing. |
| RHS Chart - edition | N/A |

Origin and Breeding

Open-pollination: In 1996, 'Honey Gem' was selected from a row of open-pollinated seedlings of 'Kensington Pride' growing in close proximity to breeder's variety collection. The putative pollen parent is 'Ono'. In 1998, a total of 9 trees of 'Honey Gem' were grafted to increase fruit size. Selection criteria: disease resistance, skin colour, earliness. Propagation: through grafting. Breeder: A.D. Leighton, Mareeba, QLD.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|-------------------------|---------------------------------|--|
| Young leaf | anthocyanin colouration | present |
| Fully developed leaf | fragrance | present |
| Inflorescence | pubescence on axis and branches | present |
| Flower | size | medium |
| Old flower | anthocyanin colouration | present |
| Mature fruit | neck | absent |
| Ripe fruit | turpentine flavour | absent |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|--------------------|---|
| 'Kensington Pride' | One of the parents of 'Honey Gem'. There are many similarities: early maturity, flavour, tree shape and vigour, hue of anthocyanin coloration in young leaf, fruiting in clusters. |
| 'Kent' | At a glance 'Kent' bears little resemblance to 'Honey Gem' however its pattern of cropping is parallel to 'Honey Gem' to a degree not matched by other commercial varieties. |
| 'Ono' | Almost certainly the other parent. Similarities include early maturity, regular cropping habit, fruit borne in clusters, flavour, ripe fruit skin colour. It is a discontinued variety. |

Varieties of Common Knowledge identified and subsequently excluded

| Variety | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety |
|------------------|--------------------------------|--|---|
| 'Tommy Atkins' | fruit turpentine flavour | absent | present |
| 'Hayden' | fruit bland flavour | absent | present |
| 'Ono' | fruit shape | broad-elliptic | narrow-elliptic |
| 'Kensington Red' | fruit beak | broad-elliptic | narrow-elliptic |

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

| Organ/Plant Part: Context | 'Honey Gem' | 'Kensington Pride' | 'Kent' |
|---|-------------------|--------------------------------|-------------------|
| <input type="checkbox"/> *Tree: attitude of main branches | horizontal | horizontal | erect |
| <input type="checkbox"/> *Young leaf: anthocyanin colouration | present | present | present |
| <input type="checkbox"/> Young leaf: hue of anthocyanin colouration | reddish | reddish | brownish |
| <input type="checkbox"/> Young leaf: intensity of anthocyanin colouration | strong | strong | strong |
| <input type="checkbox"/> Young leaf: shape in cross section | concave | concave | concave |
| <input checked="" type="checkbox"/> Young leaf: relief of upper face | smooth | raised between secondary veins | smooth |
| <input type="checkbox"/> Young leaf: undulation of margin | absent | absent | absent |
| <input checked="" type="checkbox"/> *Fully developed leaf: attitude | drooping | horizontal | drooping |
| <input type="checkbox"/> Fully developed leaf: length | medium | medium | medium |
| <input type="checkbox"/> Fully developed leaf: width | medium | medium | medium |
| <input type="checkbox"/> *Fully developed leaf: length/width ratio | medium | medium | medium |
| <input type="checkbox"/> Fully developed leaf: predominant shape | trullate to ovate | trullate to ovate | trullate to ovate |
| <input type="checkbox"/> Fully developed leaf: colour | green | green | dark green |
| <input type="checkbox"/> Fully developed leaf: twisting of blade | absent | absent | absent |
| <input type="checkbox"/> Fully developed leaf: shape in | concave | concave | concave |

cross section

| | | | |
|---|------------------|--------------------------------|------------------|
| <input type="checkbox"/> Fully developed leaf: symmetry | always symmetric | always symmetric | always symmetric |
| <input type="checkbox"/> Fully developed leaf: curvature of midrib | present | present | present |
| <input type="checkbox"/> Fully developed leaf: position of curvature of midrib | from apex | from apex | basal |
| <input checked="" type="checkbox"/> Fully developed leaf: relief of upper surface | smooth | raised between secondary veins | smooth |
| <input type="checkbox"/> Fully developed leaf: spacing of secondary veins | medium | medium | medium |
| <input type="checkbox"/> Fully developed leaf: predominant relief of veins on upper surface | smooth | smooth | smooth |
| <input type="checkbox"/> Fully developed leaf: undulation of margin | weak | medium | weak |
| <input type="checkbox"/> Fully developed leaf: shape of tip | attenuate | attenuate | attenuate |
| <input type="checkbox"/> Fully developed leaf: shape of base | acute | acute | rounded |
| <input type="checkbox"/> Fully developed leaf: fragrance | present | present | absent |
| <input type="checkbox"/> Fully developed leaf: attitude of petiole | recurved | erect | recurved |
| <input type="checkbox"/> Fully developed leaf: length of petiole | medium | medium | medium |
| <input type="checkbox"/> *Inflorescence: attitude of axis | erect | erect | erect |
| <input type="checkbox"/> *Inflorescence: length | medium | medium | long |
| <input type="checkbox"/> Inflorescence: width | narrow | medium | wide |
| <input checked="" type="checkbox"/> Inflorescence: ratio length/width | high | medium | medium |
| <input checked="" type="checkbox"/> Inflorescence: number of branches | many | medium | medium |
| <input type="checkbox"/> *Inflorescence: colour of axis and branches | pink | pink | red |
| <input type="checkbox"/> Inflorescence: pubescence on axis and branches | present | present | present |
| <input type="checkbox"/> Inflorescence: density of pubescence on axis and branches | medium | medium | dense |
| <input type="checkbox"/> Inflorescence: leafy bracts | present | present | absent |
| <input type="checkbox"/> Flower: size | medium | medium | medium |
| <input type="checkbox"/> Flower: position of fertile stamen(s) in relation to style | parallel | parallel | parallel |
| <input type="checkbox"/> Flower: length of fertile stamen(s) in relation to style | shorter | shorter | shorter |
| <input type="checkbox"/> Flower: development of staminodes | strong | weak | strong |
| <input type="checkbox"/> *Old flower: anthocyanin colouration | present | present | present |

| | | | | |
|-------------------------------------|--|-----------------|------------------|------------------|
| <input checked="" type="checkbox"/> | *Old flower: intensity of anthocyanin colouration | strong | weak | weak |
| <input checked="" type="checkbox"/> | *Mature fruit: length | short | medium | medium |
| <input checked="" type="checkbox"/> | *Mature fruit: width | very broad | medium | medium |
| <input checked="" type="checkbox"/> | *Mature fruit: ratio length/width | very low | medium | medium |
| <input checked="" type="checkbox"/> | *Mature fruit: shape in cross section | broad elliptic | narrow elliptic | narrow elliptic |
| <input checked="" type="checkbox"/> | *Mature fruit: colour of skin | green and pink | green and pink | green and purple |
| <input type="checkbox"/> | Mature fruit: size of area of non-green colour of skin | medium | small | small |
| <input type="checkbox"/> | Mature fruit: bloom on skin | inconspicuous | inconspicuous | inconspicuous |
| <input type="checkbox"/> | Mature fruit: density of lenticels | sparse | medium | medium |
| <input checked="" type="checkbox"/> | Mature fruit: conspicuousness of lenticels | weak | medium | medium |
| <input type="checkbox"/> | Mature fruit: size of lenticels | small | medium | medium |
| <input type="checkbox"/> | Mature fruit: roughness of surface caused by lenticels | absent | present | present |
| <input type="checkbox"/> | Mature fruit: stalk cavity | present | present | absent |
| <input type="checkbox"/> | Mature fruit: depth of stalk cavity | shallow | shallow | |
| <input type="checkbox"/> | Mature fruit: neck | absent | absent | absent |
| <input type="checkbox"/> | Mature fruit: prominence of neck | very weak | | |
| <input type="checkbox"/> | *Mature fruit: shape of left shoulder | rounded upward | rounded upward | rounded downward |
| <input checked="" type="checkbox"/> | *Mature fruit: shape of right shoulder | rounded outward | rounded downward | rounded downward |
| <input type="checkbox"/> | Mature fruit: groove in left shoulder | present | present | absent |
| <input type="checkbox"/> | Mature fruit: length of groove in left shoulder | short | medium | |
| <input type="checkbox"/> | Mature fruit: depth of groove in left shoulder | shallow | medium | |
| <input type="checkbox"/> | Mature fruit: lumpiness on left shoulder | absent | absent | present |
| <input type="checkbox"/> | *Mature fruit: sinus proximal of stylar scar | present | present | present |
| <input type="checkbox"/> | *Mature fruit: prominence of sinus proximal of stylar scar | weak | medium | weak |
| <input type="checkbox"/> | *Mature fruit: bulge proximal of stylar scar | present | absent | absent |
| <input type="checkbox"/> | Mature fruit: prominence of bulge proximal of stylar scar | weak | very weak | very weak |

| | | | | |
|-------------------------------------|--|-----------------|------------------------|------------------------|
| <input type="checkbox"/> | Mature fruit: shape at stylar scar | flattened | ridged | flattened |
| <input type="checkbox"/> | Mature fruit: diameter of stalk | small | medium to large | small |
| <input type="checkbox"/> | Infructescence: predominant colour of main axis | green to yellow | green to yellow | green to yellow |
| <input checked="" type="checkbox"/> | *Ripe fruit: predominant colour of skin | orange and red | green and yellow | yellow and red |
| <input type="checkbox"/> | Ripe fruit: brilliance of skin colour | present | absent | absent |
| <input type="checkbox"/> | Ripe fruit: pattern of skin colour | even | even | even |
| <input type="checkbox"/> | Ripe fruit: degree of speckling of skin colour | weak | weak | weak |
| <input type="checkbox"/> | Ripe fruit: thickness of skin | medium | medium | thick |
| <input type="checkbox"/> | Ripe fruit: adherence of skin to flesh | weak | weak | strong |
| <input checked="" type="checkbox"/> | *Ripe fruit: main colour of flesh | orange | yellow | |
| <input type="checkbox"/> | Ripe fruit: firmness of flesh | firm | soft to medium | firm |
| <input checked="" type="checkbox"/> | Ripe fruit: juiciness | juicy | medium | medium |
| <input type="checkbox"/> | Ripe fruit: texture of flesh | fine | medium | fine |
| <input checked="" type="checkbox"/> | *Ripe fruit: amount of non-fleshy fibre in flesh attached to stone | low | medium | very low |
| <input type="checkbox"/> | Ripe fruit: amount of fleshy fibre beneath the skin | medium | medium | low |
| <input type="checkbox"/> | *Ripe fruit: turpentine flavour | absent | absent | absent |
| <input type="checkbox"/> | Stone: prominence of point at stylar area | weak | weak | weak |
| <input type="checkbox"/> | Stone: relief of surface | grooved | grooved | ridged |
| <input checked="" type="checkbox"/> | Stone: sharp points on surface | absent | present | present |
| <input type="checkbox"/> | Stone: length of fibre on cheeks | medium | medium | very short |
| <input type="checkbox"/> | Stone: density of fibre on cheeks | medium | medium | very sparse |
| <input type="checkbox"/> | Stone: texture of fibre | fine | fine | fine |
| <input type="checkbox"/> | Stone: thickness of endocarp | medium | medium | thin |
| <input type="checkbox"/> | *Seed: length in relation to that of stone | long | long | long |
| <input checked="" type="checkbox"/> | Seed: shape | oblong | slightly kidney-shaped | slightly kidney-shaped |
| <input type="checkbox"/> | *Seed: polyembryony | absent | present | absent |
| <input checked="" type="checkbox"/> | Time of: first flowering | early | early to medium | late |
| <input checked="" type="checkbox"/> | *Time of: fruit maturity | early | early | medium |

Prior Applications and Sales

Nil.

Description: **A.D.Leighton**, Mareeba, QLD.

Plant Varieties Journal - Search Result Details

Field Bean (*Vicia faba*)**Variety:** 'Nura'**Synonym:** N/A**Application no:** 2004/230**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 10-Aug-2004**Accepted:** 21-Sep-2004**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Varieties Journal:****Title Holder:** Adelaide Research & Innovation Pty Ltd and Grains Research and Development Corporation**Agent:** N/A**Telephone:** 0883035020**Fax:** 0883034355

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|--|
| Application Number | 2004/230 |
| Variety Name | 'Nura' |
| Genus Species | <i>Vicia faba</i> |
| Common Name | Field Bean |
| Synonym | Nil |
| Accepted Date | 21 Sep 2004 |
| Applicant | Adelaide Research & Innovation Pty Ltd, Adelaide, SA and Grains Research and Development Corporation, Barton, ACT |
| Agent | N/A |
| Qualified Person | Jeff Paull |

Details of Comparative Trial

| | |
|---------------------|---|
| Location | Charlick Experimental Farm, Strathalbyn, South Australia |
| Descriptor | TG/8/4 Field bean (<i>Vicia faba</i>) |
| Period | Jun - Dec 2004 |
| Conditions | Field plots, 6m long x 6 rows, 25cm spacing between rows. Sown at density of 25 seeds/sq m into cultivated field, with standard fertiliser, herbicide and insecticide applications as per commercial faba bean production. Rain-fed - below average rainfall in Oct and Nov restricted plant height, seed size and yield. Harvested with plot harvester at maturity. |
| Trial Design | Randomised complete block design with 4 replicates. |
| Measurements | Leaf length and leaf width, base leaflet at mid-canopy, 5 leaflets per plot, sampled 28 Oct. Plant height, 3 positions per plot, 19 Nov. Pod length, a single pod sampled from each of 10 plants per replicate at mid-point of the main stem at maturity. Seed weight, 2 samples of 100 seeds per plot, sub-sampled after harvest and cleaning to removed broken seeds. |

RHS Chart - edition N/A

Origin and Breeding

Controlled pollination: seed parent 'Icarus' x pollen parent 'Ascot'. The seed parent is characterised by green seed, resistant to chocolate spot, susceptible to ascochyta blight and late flowering. The pollen parent is characterised by beige seed, susceptible to chocolate spot, resistant to ascochyta blight and early-mid flowering. Hybridisation took place at Waite Campus, South Australia in 1992. The F₂ generation was sequentially screened for resistance to ascochyta blight then chocolate spot in 1993 and plants resistant to both diseases were retained. The F₃ lines were multiplied in a bee-proof screen house, the F₄ lines were multiplied in field plots grouped on the basis of seed colour, but without control of pollination between sib lines. A portion of seed of each line was retained for future multiplication, the remainder was used for yield evaluation trials. Residual F₅ seed of selection 7-3 was reselected for resistance to ascochyta blight in a glasshouse screening trial in 2001. Resistant plants were retained and after harvest were selected for uniformity of seed colour and seed size. Progeny of 17 selected plants were bulked. Multiplication in field plots isolated (>200m) from all other faba beans commenced in 2002. Selection criteria: disease resistance, seed colour, quality and yield. Propagation: seed. Breeders: Dr Jeff Paull and Dr Ron Knight, University of Adelaide, South Australia.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|------------------|-----------------|---|
| Dry seed | colour of testa | beige |
| Seed | size | small/medium |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|-------------|---|
| 'Ascot' | Pollinator parent, resistant to ascochyta blight, beige seed |
| 'Cairo' | Beige seed, susceptible to ascochyta blight |
| 'Icarus' | Maternal parent, green seed |
| 'Fiord' | 'Fiord' same size seed as 'Ascot', moderately susceptible to ascochyta blight |
| 'Barkool' | 'Barkool' same size seed as 'Ascot', moderately susceptible to ascochyta blight |
| 'Fiesta VF' | 'Fiesta VF' similar seed size to 'Farah' |
| 'Farah' | Resistant to ascochyta blight, beige seed |

Varieties of Common Knowledge identified and subsequently excluded

| Variety | Distinguishing Characteristics in Candidate Variety | State of Expression in Comparator Variety | State of Expression in Candidate Variety | Comments |
|-------------|---|---|--|--|
| 'Icarus' | seed colour | beige | green | very clear difference in seed colour between 'Icarus' and 'Nura' |
| 'Fiord' | seed size | small/medium | small | 'Fiord' same size as 'Ascot'. If establish difference between 'Ascot' and 'Nura' should also hold for 'Fiord'. |
| 'Barkool' | seed size | small/medium | small | 'Barkool' same size as 'Ascot'. If establish difference between 'Ascot' and 'Nura' should also hold for 'Barkool'. 'Barkool' also moderately susceptible to ascochyta blight |
| 'Fiesta VF' | plant height | medium/short | medium/tall | 'Fiesta VF' very similar to 'Farah'. If establish difference between 'Farah' and 'Nura' should also hold for 'Fiesta VF' |

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

| Organ/Plant Part: Context | 'Nura' | 'Ascot' | 'Cairo' | 'Farah' |
|---|----------------|-----------------|-----------------|-----------------|
| <input type="checkbox"/> *Time of: flowering | medium to late | early to medium | early to medium | early to medium |
| <input type="checkbox"/> Stem: anthocyanin colouration (varieties with melanin spot only) | very weak | | | |

| | | | | |
|--|-----------------|-----------------|-----------------|-----------------|
| <input type="checkbox"/> *Leaflet: length | medium | short to medium | medium to long | medium to long |
| <input type="checkbox"/> *Leaflet: width | medium | medium | medium to broad | medium to broad |
| <input type="checkbox"/> *Wing: melanin spot | present | present | present | present |
| <input type="checkbox"/> *Standard: anthocyanin colouration | present | present | present | present |
| <input type="checkbox"/> Plant: growth type | indeterminate | indeterminate | indeterminate | indeterminate |
| <input type="checkbox"/> *Plant: height | short to medium | short to medium | medium to tall | medium to tall |
| <input type="checkbox"/> *Pod: length | medium | short to medium | medium to long | medium to long |
| <input type="checkbox"/> *Dry seed: 100 seed weight | low to medium | low | medium | medium |
| <input type="checkbox"/> *Dry seed: colour of testa | beige | beige | beige | beige |
| <input type="checkbox"/> Dry seed: black pigmentation of hilum | present | present | present | present |

Statistical Table

| Organ/Plant Part: Context | ‘Nura’ | ‘Ascot’ | ‘Cairo’ | ‘Farah’ |
|--|---------------|----------------|----------------|----------------|
| <input type="checkbox"/> Leaf: width (mm) | | | | |
| Mean | 28.00 | 25.00 | 31.00 | 30.00 |
| Std. Deviation | 2.70 | 4.60 | 4.30 | 4.20 |
| LSD/sig | 4.9 | ns | ns | ns |
| <input type="checkbox"/> Leaf : length (mm) | | | | |
| Mean | 62.00 | 55.00 | 68.00 | 67.00 |
| Std. Deviation | 5.30 | 9.00 | 9.30 | 6.50 |
| LSD/sig | 8.8 | ns | ns | ns |
| <input checked="" type="checkbox"/> Plant: height (cm) | | | | |
| Mean | 43.00 | 41.00 | 58.00 | 57.00 |
| Std. Deviation | 3.40 | 5.30 | 5.00 | 4.00 |
| LSD/sig | 5.3 | ns | P≤0.01 | P≤0.01 |
| <input checked="" type="checkbox"/> Pod: length (mm) | | | | |
| Mean | 57.00 | 51.00 | 64.00 | 67.00 |
| Std. Deviation | 5.60 | 5.90 | 6.90 | 9.10 |
| LSD/sig | 5.1 | P≤0.01 | P≤0.01 | P≤0.01 |
| <input checked="" type="checkbox"/> Seed: weight (g/100 seeds) | | | | |
| Mean | 51.00 | 42.00 | 60.00 | 64.00 |
| Std. Deviation | 1.30 | 2.10 | 5.60 | 2.00 |
| LSD/sig | 5.6 | P≤0.01 | P≤0.01 | P≤0.01 |

Prior Applications and Sales

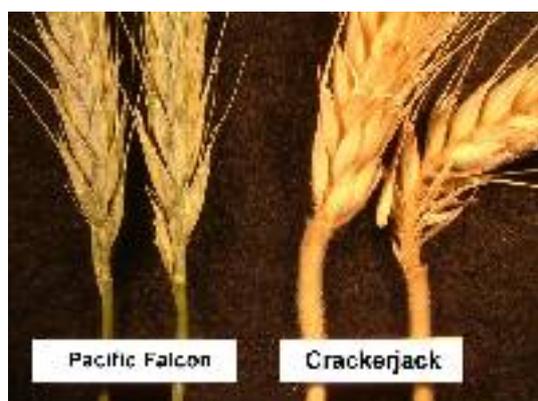
Nil.

Description: **Jeff Paull**, University of Adelaide, Glen Osmond, SA.

Plant Varieties Journal - Search Result Details

Triticale (*xTriticosecale*)**Variety:** 'Pacific Falcon'**Synonym:** N/A**Application no:** 2004/324**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 29-Nov-2004**Accepted:** 02-May-2005**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Varieties Journal:****Title Holder:** Agricultural Research Council**Agent:** Pacific Seeds**Telephone:** 0746902663**Fax:** 0746301063

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|---|
| Application Number | 2004/324 |
| Variety Name | 'Pacific Falcon' |
| Genus Species | X <i>Triticosecale</i> |
| Common Name | Triticale |
| Synonym | Nil |
| Accepted Date | 02 May 2005 |
| Applicant | Agricultural Research Council, Hatfield, South Africa |
| Agent | Pacific Seeds, Toowoomba, QLD. |
| Qualified Person | Peter Stuart |

Details of Comparative Trial

| | |
|----------------------------|--|
| Location | Gatton, Queensland |
| Descriptor | Triticale – UPOV TG/121/3 |
| Period | Winter-Spring 2004 |
| Conditions | The trial was sown into a well prepared seedbed at the Pacific Seeds Research Station, located at Gatton in the Lockyer Valley of South East Queensland. Sowing date was 6th Jul, 2004. The trial was conducted under irrigated conditions, using a row spacing of 76cm. |
| Trial Design | Trial design was a randomised complete block with four replications, four rows per plot, plots 5m long. |
| Measurements | Measurements were taken from 60 plants selected at random from over 2000 plants. |
| RHS Chart - edition | N/A |

Origin and Breeding

Controlled pollination: 'Pacific Falcon' is a selection from an original cross between Cin "R" and another breeding line known as 274/320/2. The individual selections were made in 1993. Selection criteria: general plant type, and yellow rust resistance. Further selection was conducted at Bethlehem, South Africa for dry matter yield and rust resistance. Propagation: seed. Breeder: Dr. Olaf Muller, Agricultural Research Council, Bethlehem, South Africa.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|-------------------------|----------------------|--|
| Ear | distribution of awns | fully awned |
| Awns | length above ears | long |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|---------------|---|
| 'Madonna' | 'Madonna' is a commercial variety grown as a forage crop |
| 'Crackerjack' | 'Crackerjack' is a commercial triticale grown for forage. |

Variety Description and Distinctness - Characteristics which distinguish the candidate from one or

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

| Organ/Plant Part: Context | 'Pacific Falcon' | 'Crackerjack' | 'Madonna' |
|---|-----------------------------|---------------------------|------------------|
| <input type="checkbox"/> *Plant: growth habit | prostrate | intermediate | intermediate |
| <input type="checkbox"/> Plant: frequency of plants with recurved flag leaves | medium | absent or very low to low | high |
| <input type="checkbox"/> Flag leaf: anthocyanin colouration of auricles | absent or very weak to weak | weak | weak |
| <input checked="" type="checkbox"/> *Time of: ear emergence | very late | early | medium |
| <input type="checkbox"/> *Flag leaf: glaucosity of sheath | strong | weak | strong |
| <input type="checkbox"/> Flag leaf: length of blade | medium | medium | long |
| <input type="checkbox"/> Flag leaf: width of blade | narrow | medium | medium |
| <input checked="" type="checkbox"/> *Stem: density of hairiness of neck | weak | very strong | medium to strong |
| <input type="checkbox"/> *Plant: length | medium | medium | long |
| <input type="checkbox"/> *Ear: distribution of awns | fully awned | fully awned | fully awned |
| <input type="checkbox"/> *Awns above the tip of ear: length | long | long | long |
| <input type="checkbox"/> *Lower glume: length of first beak | short | long | short |
| <input checked="" type="checkbox"/> *Lower glume: hairiness on external surface | absent | present | present |
| <input type="checkbox"/> Ear: length excluding awns | long | short | long |
| <input checked="" type="checkbox"/> Ear: width in profile view | medium | narrow | broad |
| <input type="checkbox"/> *Grain: colouration with phenol | dark | dark | dark |
| <input type="checkbox"/> *Seasonal type: | spring type | spring type | spring type |

Statistical Table

| Organ/Plant Part: Context | 'Pacific Falcon' | 'Crackerjack' | 'Madonna' |
|--|-------------------------|----------------------|------------------|
| <input checked="" type="checkbox"/> Mature plant : height (mm) | | | |
| Mean | 1040.00 | 996.50 | 1211.50 |
| Std. Deviation | 68.43 | 68.24 | 162.32 |
| LSD/sig | 80.90 | ns | P≤0.01 |
| <input checked="" type="checkbox"/> Flag leaf: width (mm) | | | |
| Mean | 12.40 | 14.80 | 16.98 |
| Std. Deviation | 1.45 | 1.47 | 1.70 |
| LSD/sig | 1.19 | P≤0.01 | P≤0.01 |
| <input checked="" type="checkbox"/> Flag leaf: Length (mm) | | | |
| Mean | 178.10 | 173.17 | 237.67 |
| Std. Deviation | 26.91 | 20.63 | 36.21 |
| LSD/sig | 24.38 | ns | P≤0.01 |

Prior Applications and Sales

| Country | Year | Current Status | Name Applied |
|----------------|-------------|-----------------------|---------------------|
| South Africa | 1997 | Granted | 'Falcon' |

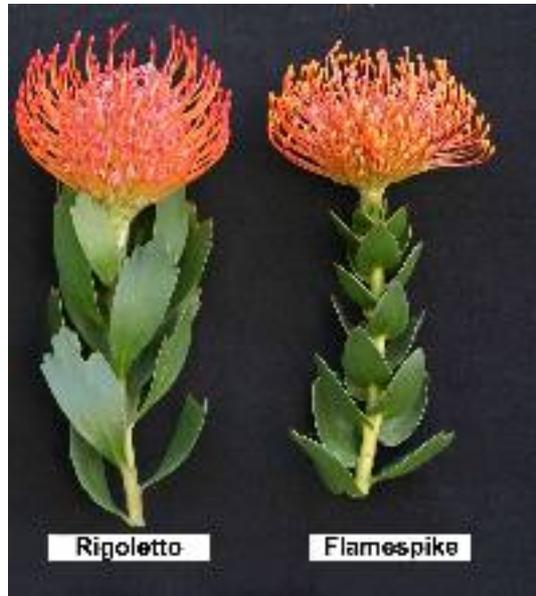
First sold in South Africa in 2001.

Description: **Peter Stuart**, Pacific Seeds Pty Ltd, Toowoomba, QLD.

Plant Varieties Journal - Search Result Details

Leucospermum (*Leucospermum cordifolium* x *Leucospermum glabrum*)**Variety:** 'Rigoletto'**Synonym:** N/A**Application no:** 2004/087**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 10-Mar-2004**Accepted:** 14-Apr-2004**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Title Holder:** Agricultural Research Council**Agent:** Proteaflora Enterprises Pty Ltd**Telephone:** 0397567233**Fax:** 0397566948

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|---|
| Application Number | 2004/087 |
| Variety Name | 'Rigoletto' |
| Genus Species | <i>Leucospermum cordifolium</i> x <i>Leucospermum glabrum</i> |
| Common Name | Leucospermum |
| Synonym | Nil. |
| Accepted Date | 14 Apr 2004 |
| Applicant | Agricultural Research Council, Pretoria, South Africa. |
| Agent | Proteaflora Enterprises Pty Ltd, Monbulk, VIC. |
| Qualified Person | Paul Armitage |

Details of Comparative Trial

| | |
|----------------------------|--|
| Location | Proteaflora Enterprises Pty Ltd, Monbulk, VIC 3793. |
| Descriptor | Leucospermum (<i>Leucospermum</i>) TG/128/3 |
| Period | Mar 2004-Nov 2005 |
| Conditions | Trial conducted in outdoor nursery growing area. Rooted cuttings potted to 140mm pots filled with soilless potting mix, nutrients maintained with slow release fertilizers, overhead irrigated, plants pinched at potting, pest and disease treatments applied as required |
| Trial Design | Fifteen plants arranged in a completely randomised design. |
| Measurements | Measurements taken from 10 plants at random, 1 sample per plant |
| RHS Chart - edition | 1986 |

Origin and Breeding

Controlled pollination: *Leucospermum cordifolium* 'Flamespike' x *Leucospermum glabrum* 'Helderfontein'. 'Flamespike' is characterised by spreading habit, cordate to oblong leaves and orange-red inflorescences. 'Helderfontein' is characterised by upright habit, broad wedge shaped leaves, and tall inflorescences with orange styles and dense pubescence on the perianth. Breeding took place at Elsenburg, South Africa in 1988. Selection criteria: seedlings from the cross were planted out and 'Rigoletto' was selected on the basis of its upright to spreading habit long flowering stem length and large red inflorescences. Propagation: 'Rigoletto' has been vegetatively propagated by cuttings for many generations and has been uniform and stable. Breeder: Agricultural Research Council, South Africa.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|-------------------------|------------------------------|--|
| Flower | main colour | red |
| Style | colour of the middle section | orange-red |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|--------------|-----------------|
| 'Flamespike' | seed parent |

Varieties of Common Knowledge identified and subsequently excluded

| Variety | Distinguishing | State of Expression | State of Expression in Comments |
|----------------|-----------------------|----------------------------|--|
|----------------|-----------------------|----------------------------|--|

| | Characteristics | in Candidate Variety | Comparator Variety |
|------------------|-----------------|------------------------|--------------------|
| 'Helderfontein' | Flower mass | main colour red | grey pollen parent |
| 'Scarlet Ribbon' | Style | main colour orange red | light orange |

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

| Organ/Plant Part: Context | 'Rigoletto' | 'Flamespike' |
|---|-----------------------|-----------------------|
| <input type="checkbox"/> *Plant: growth habit | erect to spreading | spreading |
| <input checked="" type="checkbox"/> Plant: height | medium to tall | short to medium |
| <input type="checkbox"/> Plant: diameter | medium | medium |
| <input type="checkbox"/> Plant: density of foliage | medium | medium |
| <input type="checkbox"/> *Plant: lignotuber | absent | absent |
| <input type="checkbox"/> Main stem: colour (non lignotuberos varieties only) | brown | brown |
| <input type="checkbox"/> Leaf: blade always upright | absent | absent |
| <input type="checkbox"/> Leaf: predominant attitude in relation to branch | oblique | oblique |
| <input checked="" type="checkbox"/> Leaf: length | medium to long | short to medium |
| <input type="checkbox"/> Leaf: width | medium to broad | medium |
| <input checked="" type="checkbox"/> *Leaf: position of broadest part | above middle | below middle |
| <input checked="" type="checkbox"/> *Leaf: shape of apex | obtuse | acute |
| <input checked="" type="checkbox"/> *Leaf: shape of base | acute | cordate |
| <input type="checkbox"/> Leaf: shape in cross section | more or less straight | more or less straight |
| <input type="checkbox"/> Leaf: colour | green | green |
| <input type="checkbox"/> Leaf: pubescence of blade | inconspicuous | inconspicuous |
| <input type="checkbox"/> *Leaf: incisions on distal part | present | present |
| <input checked="" type="checkbox"/> *Leaf: number of incisions on distal part | medium | very few |
| <input type="checkbox"/> *Leaf: depth of incisions on distal part | medium | medium |
| <input checked="" type="checkbox"/> Leaf: colour of callus on teeth | reddish | yellowish |
| <input type="checkbox"/> Leaf: undulation of margin | absent | absent |
| <input type="checkbox"/> Leaf: fringe on margin | absent | absent |
| <input type="checkbox"/> *Leaf: petiole | absent | absent |
| <input type="checkbox"/> Flowering branch: length | medium to long | short to medium |
| <input type="checkbox"/> Flowering branch: thickness | medium | medium |
| <input type="checkbox"/> Flowering branch: rigidity | strong | medium |
| <input type="checkbox"/> Flowering branch: predominant colour | greenish | greenish |
| <input type="checkbox"/> *Flowering branch: clustering of fully developed flower heads | sometimes present | sometimes present |
| <input type="checkbox"/> Flowering branch: number of fully developed flower heads per cluster | 2 to 3 | 2 to 3 |
| <input type="checkbox"/> Flower head: length of narrowed basal part | medium | medium |

| | | | |
|-------------------------------------|--|------------------|------------------|
| <input checked="" type="checkbox"/> | *Flower head: length | medium to long | short to medium |
| <input type="checkbox"/> | *Flower head: diameter | medium to large | medium |
| <input checked="" type="checkbox"/> | *Flower head: predominant colour | red | orange-red |
| <input type="checkbox"/> | *Flower head: texture of involucre bract | cartilaginous | cartilaginous |
| <input type="checkbox"/> | Flower head: length of floret bract | short | short |
| <input type="checkbox"/> | Flower head: width of floret bract | narrow to medium | narrow |
| <input type="checkbox"/> | Flower head: colour of apical part of floret bract | reddish | greenish |
| <input type="checkbox"/> | Flower head: fringe on apical margin of floret bract | absent | absent |
| <input checked="" type="checkbox"/> | *Flower head: diameter of perianth mass | medium | small to medium |
| <input checked="" type="checkbox"/> | Floret: length of perianth | short to medium | short |
| <input type="checkbox"/> | *Floret: colour of apex of bud | reddish | reddish |
| <input type="checkbox"/> | *Floret: colour of perianth below apex of bud | pink | orange red |
| <input checked="" type="checkbox"/> | *Floret: colour of rolled up perianth segments | red | orange red |
| <input type="checkbox"/> | Floret: intensity of colour of rolled up perianth segments | medium to dark | medium |
| <input type="checkbox"/> | Floret: length of style | medium | medium |
| <input type="checkbox"/> | Floret: degree of curvature of style | medium to strong | medium to strong |
| <input checked="" type="checkbox"/> | Floret: thickness of style | thick | medium |
| <input type="checkbox"/> | *Floret: attitude of basal part of style in relation to receptacle | oblique | perpendicular |
| <input type="checkbox"/> | *Floret: colour of middle part of style | orange red | orange red |
| <input type="checkbox"/> | Floret: intensity of colour of middle part of style | medium to dark | medium |
| <input type="checkbox"/> | Floret: length of pollen presenter | medium | short to medium |
| <input checked="" type="checkbox"/> | *Floret: shape of pollen presenter in lateral view | triangular | ungulate |
| <input checked="" type="checkbox"/> | Floret: colour of pollen presenter | red | orange |
| <input type="checkbox"/> | Floret: intensity of colour of pollen presenter | medium to dark | medium |
| <input type="checkbox"/> | *Time of: flowering | medium | medium |

Characteristics Additional to the Descriptor/TG

| Organ/Plant Part: Context | ‘Rigoletto’ | ‘Flamespike’ |
|---|--------------------|---------------------|
| <input checked="" type="checkbox"/> Floret: colour of middle part of style | orange red RHS 33B | orange red RHS 34A |
| <input type="checkbox"/> Floret: colour of pollen presenter | red RHS 45A | orange RHS 24A |
| <input checked="" type="checkbox"/> Floret: colour of rolled up perianth segments | red RHS 45A | orange red RHS 34C |

Statistical Table

| Organ/Plant Part: Context | ‘Rigoletto’ | ‘Flamespike’ |
|---|--------------------|---------------------|
| <input checked="" type="checkbox"/> Flower head: diameter | | |
| Mean | 103.60 | 94.70 |
| Std. Deviation | 3.20 | 3.05 |
| LSD/sig | 3.57 | P≤0.01 |
| <input checked="" type="checkbox"/> Flower head: length | | |

| | | |
|--|-------|--------|
| Mean | 83.60 | 64.80 |
| Std. Deviation | 3.80 | 3.22 |
| LSD/sig | 4.03 | P≤0.01 |
| <input checked="" type="checkbox"/> Floret: length of perianth | | |
| Mean | 29.20 | 18.90 |
| Std. Deviation | 1.55 | 1.45 |
| LSD/sig | 1.71 | P≤0.01 |

Prior Applications and Sales

| Country | Year | Current Status | Name Applied |
|----------------|-------------|-----------------------|---------------------|
| EU | 2004 | Applied | 'Rigoletto' |
| South Africa | 1998 | Granted | 'Rigoletto' |

First sold in South Africa in 2002.

Description: **Paul Armitage**, Proteaflora Enterprises Pty Ltd, Monbulk, VIC.

Plant Varieties Journal - Search Result Details

Wheat (*Triticum aestivum*)**Variety:** 'AGT Young'**Synonym:** N/A**Application no:** 2005/228**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 01-Jul-2005**Accepted:** 28-Sep-2005**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Title Holder:** Agriculture Victoria Services Pty Ltd and Grains Research and Development Corporation**Agent:** Australian GrainTechnologies Pty Ltd**Telephone:** 0883037835**Fax:** 0883037964

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|--|
| Application Number | 2005/228 |
| Variety Name | 'AGT Young' |
| Genus Species | <i>Triticum aestivum</i> |
| Common Name | Wheat |
| Synonym | Nil |
| Accepted Date | 28 Sep 2005 |
| Applicant | Agriculture Victoria Services Pty Ltd, Melbourne, VIC and Grains Research and Development Corporation, Barton, ACT |
| Agent | Australian Grain Technologies Pty Ltd, Roseworthy, SA. |
| Qualified Person | Gil Hollamby |

Details of Comparative Trial

| | |
|---------------------|---|
| Location | Roseworthy and Mintaro, South Australia |
| Descriptor | <i>Triticum aestivum</i> |
| Period | 2005 |
| Conditions | Two comparator trials were sown, one at Roseworthy and the other at Mintaro. One was a backup to the other. The Roseworthy trial area (canola in 2004) was prepared by spraying with 1L/ha Glyphosate, 100ml/ha dimethoate and by incorporating with a prickle chain 1.6L/ha Tri-allate and 800ml/ha trifluralin on 25 June 2005. The trial was sown on 4 Jul with 140kg/ha DAP fertiliser. Further weed control occurred 12 Aug by spraying with 200g/ha Iodosulfuron-Methylsodium, 100ml/ha Clopyralid, 100ml/ha dimethoate with Hasten wetter. Additional nitrogen was applied on 22 Aug by topdressing 60kg/ha urea. Snail bait was spread on 24 Aug and a final herbicide, 1.4L/ha 2,4-D Amine was sprayed on 13 Sep. The Mintaro trial area (canola in 2004) was prepared by spraying with 1L/ha glyphosate, 1.6L/ha tri-allate and 1.5L/ha Trifluralin on 17 June and the trial was immediately sown with 100kg/ha urea and 90kg/ha DAP as fertiliser. Weed control was carried out on 12 Aug by spraying 600ml/ha MCPA+Diflufenican, 100ml/ha Clopyralid. 60kg/ha urea together with snail bait was topdressed over the trial on 2 Sep. Planting was on the late side of optimal but a prolonged cool wet spring ensured that the trials grew normally. Stripe Rust infected both trials in early Sep and developed into a severe epidemic at Roseworthy. In both trials rust resistant varieties yielded above long term averages. |
| Trial Design | Each trial was a randomised block design with three blocks sown one behind the other. Plots were six rows wide (1.2m) and 3.2m long, approximately 1000 plants in each. Other entries in the same comparative trial included potential comparator varieties for Young and other potential new varieties. |
| Measurements | At Roseworthy early measurements, heading dates and heights were measured. However a severe stripe rust epidemic affected grain set and grain filling so ear and mature plant measurements were performed on samples from the Mintaro trial. Ten individual plants were taken from each of the three blocks. |

Measurements included stripe rust reactions, flag leaf length and width, peduncle length, extent of peduncle exertion, ear length, plot heights (both sites) and ear descriptions, pith diameter and grain attributes (Mintaro site) with heading dates (Roseworthy site).

RHS Chart - edition N/A

Origin and Breeding

Controlled pollination: The final cross between VPM/3*Beulah and ‘Silverstar’ was made at Horsham in 1996. F₁ seed was grown in a greenhouse to produce F₂ seed. Approximately 1000 F₂ spaced plants were sown in the field at Horsham in the winter of 1997. Single plant selection number 1 was selected on the basis of field reaction to stripe rust. In 1998 a single replicate plot was sown in the field at Horsham and again selected on the basis of rust reaction. Seed from this plot was assessed for grain quality using Near Infra Red estimates of a range of grain quality traits. In 1999 F₄ spaced plants were grown at Walpeup in the Victorian Mallee. Selection number 6 was chosen and multiplied over summer in 1999/2000 to provide seed for yield evaluation in 2000. Three sites (Horsham, Walpeup and Wycheproof) of single replication yield data, field disease reactions, particularly to stripe rust and NIR quality as for F₃ were used to select VQ0326 for progression to stage 2 of yield evaluation. Stage 2 evaluation in 2001 involved 6 sites of single replicate yield data, evaluation for resistance to stripe, stem and leaf rusts at University of Sydney, Cobbitty, NSW, yellow leaf spot at Horsham and grain quality using Buhler Milling and dough rheology techniques at the Horsham laboratory. VQ0326 then entered Stage3 trials for wide-scale evaluation across SA, WA and Victoria in 2002. Field evaluation continued throughout 2003 and 2004 in Stage 4 trials in Victoria, South Australia, New South Wales, Western Australia and Queensland. Samples were submitted to AWB and received an Australian Premium White grain quality classification. Assessment for reaction to a wide range of wheat diseases, including resistance to cereal cyst nematode took place during 2002-2005. Seed multiplication for commercialisation commenced in summer of 2003/04. Selection criteria: yield, milling and baking quality and disease resistance. Propagation: seed. Breeders: Russell Eastwood and Richard Trethowan.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|-------------------------|-----------------------|--|
| Ear | awns | fully awned |
| Ear | colour | white |
| Plant | height to tip of awns | tall semi-dwarf |
| Flag leaf | length of blade | long |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|--------------|---|
| ‘Mitre’ | Visually very similar |
| ‘Silverstar’ | Visually very similar, but decreasing in commercial sowings |
| ‘Annuello’ | Visually very similar, new variety increasing in area being grown |

Varieties of Common Knowledge identified and subsequently excluded

| Variety | Distinguishing Characteristics | | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments |
|-------------|--------------------------------|---|--|---|--|
| 'Beulah' | Plant | Height to tip of awns | medium, 87.4 cm | medium tall, 96.3 cm | |
| 'Janz' | Roots | CCN reaction | very resistant | very susceptible | |
| 'Pugsley' | Plant | height to tip of awns | 87.4 cm | 100.7 cm | |
| 'Yitpi' | Flag leaf | width of blade | narrow, 15.1 mm | med-wide, 17.2 mm | |
| 'H45' | Glutenin composition | allele expression at Glu-A1 and Glu-D1 | 1 (Glu-A1),5+10(Glu-D1) | 2*(Glu-A1), 2+12(Glu-D1) | |
| 'Excalibur' | Peduncle | exertion from flag leaf sheath | long, 20.0 cm | short to medium, 13.8 | LSD (P=1%) is 3.4 cm |
| 'Chara' | Glutenin composition | alleles expression at Glu-A1 and Glu-D1 | 1(Glu-A1) and 5+10(Glu-D1) | 2*(Glu-D1) and 2+12(Glu-D1) | Chara also is mixed for over expressed band 7 at Glu-B1, this allele absent in Young |

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

| Organ/Plant Part: Context | 'AGT Young' | 'Annuello' | 'Mitre' | 'Silverstar' |
|---|---------------------|---------------------|---------------------|---------------------|
| <input type="checkbox"/> *Plant: growth habit | semi-erect | semi-erect | semi-erect | semi-erect |
| <input type="checkbox"/> Flag leaf: anthocyanin colouration of auricles | absent or very weak |
| <input checked="" type="checkbox"/> *Time of: ear emergence | very early | medium | medium to late | very early |
| <input type="checkbox"/> *Flag leaf: glaucosity of sheath | medium | weak | weak | weak |
| <input type="checkbox"/> *Ear: glaucosity | weak | medium | weak | absent or very weak |
| <input type="checkbox"/> Culm: glaucosity of neck | medium | medium | weak | weak |
| <input type="checkbox"/> *Plant: length | medium to long | medium to long | medium to long | medium to long |
| <input type="checkbox"/> *Straw: pith in cross section | thin | thin | thin | thin |
| <input type="checkbox"/> *Ear: shape in profile | tapering | parallel sided | parallel sided | parallel sided |
| <input type="checkbox"/> *Ear: density | medium | lax to medium | medium | medium |
| <input type="checkbox"/> Ear: length | medium to long | medium | medium | medium |
| <input type="checkbox"/> *Awns or scurs: presence | awns present | awns present | awns present | awns present |
| <input type="checkbox"/> *Awns of scurs at tip of ear: length | medium to long | long | medium | medium |
| <input type="checkbox"/> *Ear: colour | white | white | white | white |

| | | | | | |
|-------------------------------------|---|-----------------|----------------------|----------------------|-----------------------------|
| <input checked="" type="checkbox"/> | Lower glume: shoulder width | medium | narrow | medium to broad | narrow |
| <input checked="" type="checkbox"/> | Lower glume: shoulder shape | straight | straight to elevated | straight to elevated | sloping |
| <input type="checkbox"/> | Lower glume: beak length | medium | medium to long | medium to long | medium |
| <input type="checkbox"/> | Lower glume: beak shape | slightly curved | slightly curved | slightly curved | moderately curved |
| <input type="checkbox"/> | Lower glume: extent of internal hair | weak | medium to strong | weak | weak |
| <input type="checkbox"/> | Lowest lemma: beak shape | straight | slightly curved | slightly curved | straight to slightly curved |
| <input type="checkbox"/> | *Grain: colour | white | white | white | white |
| <input type="checkbox"/> | Grain: colouration with phenol | dark | dark | dark | dark |
| <input type="checkbox"/> | *Seasonal type: | spring type | spring type | spring type | spring type |
| <input checked="" type="checkbox"/> | Glutenin composition: allele expression at locus Glu-D1 | bands 5+10 | bands 2+12 | bands 2+12 | bands 5+10 |

Characteristics Additional to the Descriptor/TG

| Organ/Plant Part: Context | ‘AGT Young’ | ‘Annuello’ | ‘Mitre’ | ‘Silverstar’ |
|--|-------------------------|-------------------|-------------------------|---------------------|
| <input checked="" type="checkbox"/> Apical rachis segment: hairiness of convex surface | mixed absent and strong | strong | absent | strong |
| <input type="checkbox"/> Glutenin composition: allele expression at Glu-A1 | band 1 | band 1 | mixed for bands 1 and 2 | band 1 |
| <input checked="" type="checkbox"/> Glutenin composition: allele expression at Glu-A3 | c | b | b | mixed for b and c |
| <input checked="" type="checkbox"/> Glutenin composition: allele expression at Glu-B3 | h | b | b | h |
| <input type="checkbox"/> Glutenin composition: allele expression at Glu-D3 | b | b | b | b |
| <input type="checkbox"/> Glutenin composition: allele expression at Glu-B1 | 7+8 | 7+8 | 7+8 | mixed 7+8 and 17+18 |

Statistical Table

| Organ/Plant Part: Context | ‘AGT Young’ | ‘Annuello’ | ‘Mitre’ | ‘Silverstar’ |
|--|--------------------|-------------------|----------------|---------------------|
| <input checked="" type="checkbox"/> Flag leaf: width of blade | | | | |
| Mean | 15.10 | 16.80 | 17.60 | 15.30 |
| Std. Deviation | 1.95 | 1.11 | 1.00 | 1.37 |
| LSD/sig | 1.57 | P≤0.01 | P≤0.01 | ns |
| <input checked="" type="checkbox"/> Peduncle: exertion from flag leaf sheath | | | | |
| Mean | 20.00 | 19.01 | 19.36 | 16.59 |
| Std. Deviation | 2.74 | 1.60 | 2.74 | 2.48 |
| LSD/sig | 3.31 | ns | ns | P≤0.01 |
| <input checked="" type="checkbox"/> Ear: date of emergence from boot | | | | |
| Mean | 277.00 | 283.00 | 286.70 | 275.00 |
| Std. Deviation | 0.80 | 0.00 | 3.00 | 1.00 |

| | | | | |
|---------|-----|--------|--------|--------|
| LSD/sig | 2.6 | P≤0.01 | P≤0.01 | P≤0.01 |
|---------|-----|--------|--------|--------|

Prior Applications and Sales

Nil.

Description: **Gil Hollamby**, Williamstown, SA.

Plant Varieties Journal - Search Result Details

Wheat (*Triticum aestivum*)**Variety:** 'AGT Scythe'**Synonym:** N/A**Application no:** 2005/022**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 17-Jan-2005**Accepted:** 07-Feb-2005**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Varieties Journal:****Title Holder:** Australian Grain Technologies Pty Ltd**Agent:** N/A**Telephone:** 0883037835**Fax:** 0883037964

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|--|
| Application Number | 2005/022 |
| Variety Name | 'AGT Scythe' |
| Genus Species | <i>Triticum aestivum</i> |
| Common Name | Wheat |
| Synonym | Nil |
| Accepted Date | 7 Feb 2005 |
| Applicant | Australian Grain Technologies Pty Ltd, Roseworthy, SA. |
| Agent | Nil |
| Qualified Person | Gil Hollamby |

Details of Comparative Trial

| | |
|----------------------------|---|
| Location | Roseworthy and Mintaro, South Australia |
| Descriptor | <i>Triticum aestivum</i> |
| Period | 2005 |
| Conditions | Two comparator trials were sown, one at Roseworthy and the other at Mintaro. One was a backup to the other. The Roseworthy trial area (canola in 2004) was prepared by spraying with 1L/ha Glyphosate, 100ml/ha dimethoate and by incorporating with a prickle chain 1.6L/ha Tri-allate and 800ml/ha trifluralin on 25 Jun 2005. The trial was sown on 4 Jul with 140kg/ha DAP fertiliser. Further weed control occurred 12 Aug by spraying with 200g/ha Iodosulfuron-Methylsodium, 100ml/ha Clopyralid, 100ml/ha dimethoate with Hasten wetter. Additional nitrogen was applied on 22 Aug by topdressing 60kg/ha urea. Snail bait was spread on 24 Aug and a final herbicide, 1.4L/ha 2,4-D Amine was sprayed on 13 Sep. The Mintaro trial area (canola in 2004) was prepared by spraying with 1L/ha glyphosate, 1.6L/ha tri-allate and 1.5L/ha Trifluralin on 17 Jun and the trial was immediately sown with 100kg/ha urea and 90kg/ha DAP as fertiliser. Weed control was carried out on 12 Aug by spraying 600ml/ha MCPA+Diflufenican, 100ml/ha Clopyralid. 60kg/ha urea together with snail bait was topdressed over the trial on 2 Sep. Planting was on the late side of optimal but a prolonged cool wet spring ensured that the trials grew normally. Stripe Rust infected both trials in early September and developed into a severe epidemic at Roseworthy. In both trials rust resistant varieties yielded above long term averages. |
| Trial Design | Each trial was a randomised block design with three blocks sown one behind the other. Plots were six rows wide (1.2m) and 3.2m long, approximately 1000 plants in each. Other entries in the same comparative trial included potential comparator varieties for AGT Scythe and other potential new varieties. |
| Measurements | At Roseworthy early measurements, heading dates and heights were measured. However a severe stripe rust epidemic affected grain set and grain filling so ear and mature plant measurements were performed on samples from the Mintaro trial. Ten individual plants were taken from each of the three blocks. Measurements included stripe rust reactions, flag leaf length and width, peduncle length, extent of peduncle exertion, ear length, plot heights (both sites) and ear descriptions, pith diameter and grain attributes (Mintaro site) with heading dates (Roseworthy site). |
| RHS Chart - edition | N/A |

Origin and Breeding

Controlled pollination: The final cross, CO5154, between two unnamed fixed lines, CO4080-109 pollinated by CO3749-009, was made at Roseworthy in the spring 1995. CO4080-109 is from a complex cross:

EMU/ROMANY//MDN/4*RAC177/3/SRS/3*RAC177/4/RAC417/5/RAC520/6/CIII/Waite1 11.8//2*RAC177/3/MDN/4*RAC177/4/MAYA74. CO3749-009, later coded RAC840, is from the cross RAC430-6/RAVEN//RAC520. F₁ seeds were grown in the field during 1996 and the progeny produced were space planted in the field in 1997. Single heads were selected and grown as head hills in a field rust nursery in 1998. Seed from selected F₃ hills was used to sow a single replicate yield trial at Roseworthy in 1999. In 2000 survivors from this F₄ trial were entered into F₅ trials at Roseworthy (2 sowing dates) and Coomalbidgup, WA whilst a sample was also tested for rust resistances at University of Sydney, Cobbitty, NSW. The now F₂ derived F₆ selections were widely trialed for yield, adaptation and quality at 7 sites in South Australia and 2 in Western Australia in Stage2 trials in 2001. One selection, CO5154-922, was coded RAC1055 and entered Stage 3 trials for wide-scale evaluation across SA, WA and Victoria in 2002. Field evaluation continued throughout 2003 in Stage 4 trials performed by PIRSA as well as AGT. Evaluation has been extended to include trials in NSW and QLD in 2004. Samples have been submitted to AWB and received an APW classification. Seed multiplication began in summer 2003/04. RAC1055 has been grown in its current form for nine generations. During that time, the variety has been observed as uniform with no visually apparent off types. Selection criteria: yield, milling quality and disease resistance. Propagation: seed. Breeders: Gil Hollamby, Stephen Jefferies, Haydn Kuchel.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|-------------------------|-------------------------------|--|
| Ear | awns | fully awned |
| Ear | colour | white |
| Whole plant | height | short - semi dwarf |
| Peduncle | total length | shortish |
| Peduncle | exertion from leaf sheath | short |
| Ear | date of emergence from boot | early |
| Peduncle | glaucosity | strong |
| Endosperm | HMW glutenins | b u,i a |
| Endosperm | LMW Glutenins | b g,b a |
| Flag leaf | Stripe rust reaction, WA race | MS |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|---------------|--------------------------------|
| 'Wyalkatchem' | Visually the most similar VCK. |

Varieties of Common Knowledge identified and subsequently excluded

| Variety | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments |
|----------------|---------------------------------------|---|--|-----------------|
| 'Yitpi' | Plant height | shorter | 10cm taller | |

| | | | | |
|--------------|---------------|--------------------------------------|---------------------|---|
| 'Pugsley' | Plant height | shorter | 16 cm taller | |
| 'Janz' | Plant height | shorter | 12 cm taller | |
| 'Silverstar' | Peduncle neck | glaucosity strong | weak | |
| 'Annuello' | Plant height | shorter | 11cm taller | |
| 'Beulah' | plant height | shorter | 15 cm taller | |
| 'H45' | Neck | glaucosity strong | weak | |
| 'Mitre' | Peduncle | length shorter | 12 cm longer | |
| 'Chara' | Peduncle | length shorter | 11 cm longer | |
| 'Excalibur' | Peduncle | length of exertion from boot shorter | Medium, 5 cm longer | 'Excalibur' is a close VCK, but baking tests would differentiate it from 'AGT Scythe' |
| 'Yitpi' | Peduncle | length short | very long | |
| 'Pugsley' | Flag leaf | Reaction to WA stripe rust race MS | R | |
| 'Janz' | Peduncle | Glaucosity of neck strong | weak | |
| 'Silverstar' | Ear | Date of ears peeping early | very early | |

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

| Organ/Plant Part: Context | 'AGT Scythe' | 'Wyalkatchem' |
|---|----------------------|---------------------|
| <input type="checkbox"/> *Plant: growth habit | semi-erect | semi-erect |
| <input type="checkbox"/> Flag leaf: anthocyanin colouration of auricles | absent or very weak | absent or very weak |
| <input checked="" type="checkbox"/> *Time of: ear emergence | early to medium | very early to early |
| <input type="checkbox"/> *Flag leaf: glaucosity of sheath | medium | medium to strong |
| <input type="checkbox"/> *Ear: glaucosity | weak to medium | weak |
| <input type="checkbox"/> Culm: glaucosity of neck | strong | strong |
| <input checked="" type="checkbox"/> *Plant: length | short | very short to short |
| <input checked="" type="checkbox"/> *Straw: pith in cross section | thin | medium to thick |
| <input type="checkbox"/> *Ear: shape in profile | parallel sided | parallel sided |
| <input type="checkbox"/> *Ear: density | dense | medium to dense |
| <input type="checkbox"/> Ear: length | medium | medium |
| <input type="checkbox"/> *Awns or scurs: presence | awns present | awns present |
| <input type="checkbox"/> *Awns of scurs at tip of ear: length | short to medium | long |
| <input type="checkbox"/> *Ear: colour | white | white |
| <input type="checkbox"/> Lower glume: shoulder width | medium to broad | narrow to medium |
| <input type="checkbox"/> Lower glume: shoulder shape | straight to elevated | straight |

| | | | |
|-------------------------------------|---|-----------------|--------------------------------------|
| <input checked="" type="checkbox"/> | Lower glume: beak length | short | long |
| <input type="checkbox"/> | Lower glume: beak shape | slightly curved | slightly curved to moderately curved |
| <input type="checkbox"/> | Lower glume: extent of internal hair | weak to medium | weak |
| <input type="checkbox"/> | Lowest lemma: beak shape | slightly curved | straight to slightly curved |
| <input type="checkbox"/> | *Grain: colour | white | white |
| <input type="checkbox"/> | Grain: colouration with phenol | dark | dark |
| <input type="checkbox"/> | *Seasonal type: | spring type | spring type |
| <input checked="" type="checkbox"/> | Glutenin composition: allele expression at locus Glu-A1 | band 2 | band 1 |
| <input type="checkbox"/> | Glutenin composition: allele expression at locus Glu-D1 | bands 2+12 | bands 2+12 |

Characteristics Additional to the Descriptor/TG

| Organ/Plant Part: Context | ‘AGT Scythe’ | ‘Wyalkatchem’ |
|---|-------------------------|----------------------|
| <input type="checkbox"/> Apical rachis segment: hairiness of convex surface | mixed absent and strong | strong |
| <input type="checkbox"/> Glutenin composition: allele expression at Glu-B1 | mixed u and i | mixed u and f |
| <input checked="" type="checkbox"/> Glutenin composition: allele expression at Glu-A3 | b | c |
| <input checked="" type="checkbox"/> Glutenin composition: allele expression at Glu-B3 | mixed b and g | h |
| <input checked="" type="checkbox"/> Glutenin composition: allele expression at Glu-D3 | a | b |

Statistical Table

| Organ/Plant Part: Context | ‘AGT Scythe’ | ‘Wyalkatchem’ |
|--|---------------------|----------------------|
| <input checked="" type="checkbox"/> Plant: height to tip of awns | | |
| Mean | 80.60 | 70.50 |
| Std. Deviation | 4.78 | 3.40 |
| LSD/sig | 4.1 | P≤0.01 |
| <input checked="" type="checkbox"/> Peduncle: length to base of ear | | |
| Mean | 26.90 | 22.20 |
| Std. Deviation | 1.50 | 1.60 |
| LSD/sig | 3.4 | P≤0.01 |
| <input checked="" type="checkbox"/> Peduncle: exertion from flag leaf sheath | | |
| Mean | 9.70 | 6.00 |
| Std. Deviation | 1.20 | 1.50 |
| LSD/sig | 3.3 | P≤0.01 |
| <input checked="" type="checkbox"/> Ear: date of emergence from boot | | |
| Mean | 282.00 | 278.00 |
| Std. Deviation | 0.80 | 0.00 |
| LSD/sig | 2.6 | P≤0.01 |

Prior Applications and Sales

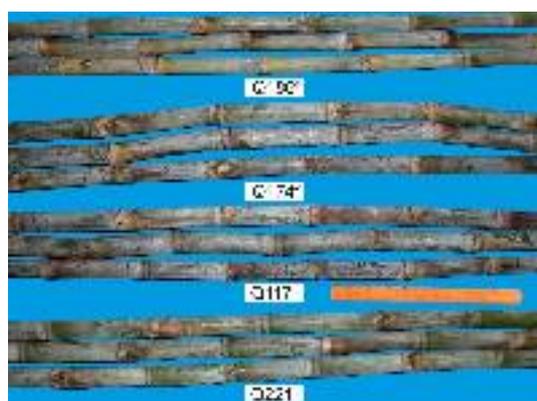
Nil.

Description: **Gil Hollamby**, Williamstown, SA.

Plant Varieties Journal - Search Result Details

Sugarcane (*Saccharum hybrid*)**Variety:** 'Q221'**Synonym:** N/A**Application no:** 2005/189**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 17-Jun-2005**Accepted:** 13-Jul-2005**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Varieties Journal:****Title Holder:** BSES Limited**Agent:** N/A**Telephone:** 0733313333**Fax:** 0738710383

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|-----------------------------------|
| Application Number | 2005/189 |
| Variety Name | 'Q221' |
| Genus Species | <i>Saccharum</i> hybrid |
| Common Name | Sugarcane |
| Synonym | Nil |
| Accepted Date | 13 Jul 2005 |
| Applicant | BSES Limited, Indooroopilly, QLD. |
| Agent | Nil |
| Qualified Person | George Piperidis |

Details of Comparative Trial

| | |
|----------------------------|--|
| Location | Meringa BSES Limited, Gordonvale, QLD. |
| Descriptor | Sugarcane (UPOV TG/186/1) |
| Period | Planted 14/08/2003; Descriptions 10-13/05/2004 |
| Conditions | Clones were propagated from vegetative cuttings and grown under field conditions. Soil tilth and moisture were good at planting but extended dry weather following planting slowed establishment and suppressed stooling. Soil type: Edmonton series. Watering regime: Rainfed. Chemicals: The fungicide Shirtan was applied at 400 ml per hectare at planting. Diurex (4 kg/ha) was applied on 15 Jan 2004 to control weeds. Fertilisers: DAP (120 kg/ha) was applied at planting, and CK 50/50 (367 kg/ha) was applied on 18 November 2003. Total nutrients were: Nitrogen 107.6 kg/ha; Phosphorus 24 kg/ha; Potassium 86 kg/ha. |
| Trial Design | Randomised Complete Block Design with three replicates. Plots were single row by 10 m, with 1.5 m between rows. |
| Measurements | Taken from up to 10 stalks sampled randomly per plot. |
| RHS Chart - edition | 2001 |

Origin and Breeding

Controlled pollination: The variety is the progeny of a controlled bi-parental cross made by BSES Ltd at Meringa (Gordonvale), QLD, between the seed parent 'Q117' and the pollen parent 'QN66-2008'. Seed was collected from the pollinated female inflorescence and stored for germination in 1985. The variety has since been evaluated and selected by BSES in yield trials on the Central Sugar Experiment Station at Mackay and sites within the sugarcane growing area in the Central region. Standard commercial varieties were also included in the trials for comparative purposes. Disease resistance screening was conducted at the pathology farm (Eight Mile Plains and Woodford), in the Tully glasshouse, and in field trials in Indonesia. After an initial seedling stage (using seed from the cross), all subsequent stages have involved vegetative propagation. The variety has been grown through three stages of selection and was found to be uniform and stable. Breeder: BSES Limited.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|------------------|---------------------------------|---|
| Internode | colour where not exposed to sun | yellow-green |
| Node | shape of bud | ovate |
| Node | distribution of bud wing | apical |
| Leaf sheath | ligule width | medium |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|--------|--|
| 'Q117' | 'Q117' is also the seed parent of 'Q221' |
| 'Q174' | |
| 'Q186' | |

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

| Organ/Plant Part: Context | 'Q221' | 'Q117' | 'Q174' | 'Q186' |
|---|--------------------------------|--|---|--|
| <input type="checkbox"/> Plant: stool growth habit | intermediate to semi-prostrate | semi-erect | intermediate | semi-erect |
| <input type="checkbox"/> *Plant: adherence of leaf sheath | weak to medium | weak to medium | weak to medium | medium |
| <input type="checkbox"/> Plant: tillering | medium | medium | medium | medium |
| <input type="checkbox"/> Plant: number of suckers | very few | very few | very few | very few |
| <input type="checkbox"/> Plant: leaf canopy | medium | sparse to medium | sparse to medium | medium |
| <input checked="" type="checkbox"/> *Internode: shape | concave-convex | bobbin-shaped | cylindrical | cylindrical |
| <input checked="" type="checkbox"/> Internode: cross-section | ovate | circular | circular | circular |
| <input type="checkbox"/> *Internode: colour where exposed to sun (RHS colour chart) | yellow-green (146A) | yellow-green (146A) greyed-orange (177A) | yellow-green (N144A) greyed-orange (177A) | greyed-orange (176A) yellow-green (146A) |
| <input type="checkbox"/> *Internode: colour where not exposed to sun (RHS colour chart) | yellow-green (151A) | greyed-yellow (160B) | yellow-green (151A) | yellow-green (154B,C) |
| <input type="checkbox"/> Internode: depth of growth crack | absent or very shallow | shallow | shallow to medium | absent or very shallow |
| <input type="checkbox"/> *Internode: expression of zigzag alignment | weak to moderate | strong | strong | weak to moderate |
| <input type="checkbox"/> Internode: waxiness | medium | medium to strong | medium to strong | medium |
| <input type="checkbox"/> Node: wax ring | medium | medium | medium | medium |
| <input type="checkbox"/> *Node: shape of bud | ovate | rhomboid | ovate | ovate |
| <input type="checkbox"/> Node: bud prominence | weak to medium | medium | weak to medium | weak to medium |
| <input type="checkbox"/> Node: depth of bud groove | medium | shallow | deep | absent or very shallow to shallow |

| | | | | | |
|--------------------------|--|-----------------|-----------------------|--------------------|---------------------------------|
| <input type="checkbox"/> | Node: length of bud groove | medium to long | medium to long | long | short |
| <input type="checkbox"/> | Node: bud tip in relation to growth ring | clearly below | clearly below | intermediate | intermediate |
| <input type="checkbox"/> | Node: bud cushion | medium to wide | absent or very narrow | narrow | absent or very narrow |
| <input type="checkbox"/> | Node: distribution of bud wing | apical | apical | apical | apical |
| <input type="checkbox"/> | Node: width of bud wing | narrow | narrow to medium | medium | narrow |
| <input type="checkbox"/> | Leaf sheath: number of hairs | few to medium | many | few to medium | absent or very few |
| <input type="checkbox"/> | Leaf sheath: length of hairs | medium | medium to long | medium | |
| <input type="checkbox"/> | Leaf sheath: distribution of hairs | only dorsal | only dorsal | lateral and dorsal | |
| <input type="checkbox"/> | Leaf sheath: shape of ligule | crescent-shaped | crescent-shaped | deltoid | crescent-shaped |
| <input type="checkbox"/> | Leaf sheath: ligule width | medium | medium | medium | medium |
| <input type="checkbox"/> | Leaf sheath: length of ligule hairs | medium | short | short | short |
| <input type="checkbox"/> | Leaf sheath: density of ligule hairs | medium to dense | medium to dense | medium | sparse |
| <input type="checkbox"/> | Leaf sheath: shape of underlapping auricle | transitional | lanceolate | deltoid | deltoid |
| <input type="checkbox"/> | Leaf sheath: shape of overlapping auricle | transitional | transitional | deltoid | transitional |
| <input type="checkbox"/> | Leaf blade: curvature | arched | curved tips | arched | arched |
| <input type="checkbox"/> | Leaf blade: pubescence on margin | medium | sparse | medium | absent or very sparse to sparse |
| <input type="checkbox"/> | Leaf blade: serration of margin | present | present | present | present |

Statistical Table

| Organ/Plant Part: Context | ‘Q221’ | ‘Q117’ | ‘Q174’ | ‘Q186’ |
|--|---------------|---------------|---------------|---------------|
| <input type="checkbox"/> Culm: height | | | | |
| Mean | 251.20 | 247.67 | 269.07 | 251.75 |
| Std. Deviation | 18.91 | 15.67 | 20.91 | 14.18 |
| LSD/sig | 23.24 | ns | ns | ns |
| <input type="checkbox"/> Internode: length | | | | |
| Mean | 15.46 | 14.37 | 15.20 | 15.92 |
| Std. Deviation | 1.59 | 1.46 | 1.69 | 1.41 |
| LSD/sig | 2.05 | ns | ns | ns |
| <input type="checkbox"/> Internode: diameter | | | | |
| Mean | 27.46 | 30.16 | 30.04 | 25.94 |
| Std. Deviation | 2.76 | 3.56 | 4.65 | 1.79 |
| LSD/sig | 2.85 | ns | ns | ns |
| <input checked="" type="checkbox"/> Node: width of bud | | | | |

| | | | | |
|---|--------|--------|--------|--------|
| Mean | 6.13 | 6.59 | 7.49 | 6.11 |
| Std. Deviation | 0.74 | 1.07 | 0.95 | 0.53 |
| LSD/sig | 0.97 | ns | P≤0.01 | ns |
| <input checked="" type="checkbox"/> Node: width of root band | | | | |
| Mean | 11.28 | 10.74 | 11.27 | 9.34 |
| Std. Deviation | 1.26 | 1.11 | 1.60 | 0.78 |
| LSD/sig | 1.29 | ns | ns | P≤0.01 |
| <input type="checkbox"/> Leaf blade: length | | | | |
| Mean | 147.03 | 154.60 | 137.33 | 139.37 |
| Std. Deviation | 7.41 | 7.08 | 10.05 | 8.08 |
| LSD/sig | 11.59 | ns | ns | ns |
| <input type="checkbox"/> Leaf blade: width | | | | |
| Mean | 44.24 | 43.46 | 44.55 | 44.01 |
| Std. Deviation | 2.98 | 2.19 | 3.49 | 1.85 |
| LSD/sig | 3.59 | ns | ns | ns |
| <input checked="" type="checkbox"/> Leaf: midrib width | | | | |
| Mean | 4.10 | 4.23 | 4.53 | 4.93 |
| Std. Deviation | 0.70 | 0.47 | 0.73 | 0.41 |
| LSD/sig | 0.59 | ns | ns | P≤0.01 |
| <input checked="" type="checkbox"/> Leaf sheath: length | | | | |
| Mean | 265.00 | 285.33 | 261.47 | 264.83 |
| Std. Deviation | 12.80 | 9.73 | 13.06 | 7.25 |
| LSD/sig | 16.73 | P≤0.01 | ns | ns |
| <input checked="" type="checkbox"/> Leaf: ratio leaf blade/midrib width | | | | |
| Mean | 11.02 | 10.42 | 10.11 | 8.97 |
| Std. Deviation | 1.53 | 1.38 | 1.96 | 0.61 |
| LSD/sig | 1.38 | ns | ns | P≤0.01 |

Prior Applications and Sales

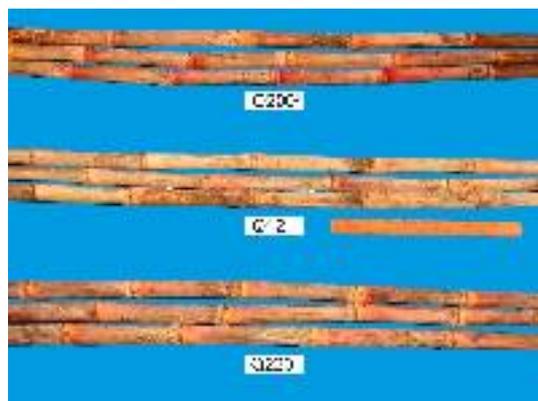
No prior applications. First sold in Australia in Jun 2005.

Description: **George Piperidis**, BSES Limited, Mackay, QLD.

Plant Varieties Journal - Search Result Details

Sugarcane (*Saccharum hybrid*)**Variety:** 'Q220'**Synonym:** N/A**Application no:** 2005/190**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 17-Jun-2005**Accepted:** 13-Jul-2005**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Varieties Journal:****Title Holder:** BSES Limited**Agent:** N/A**Telephone:** 0733313333**Fax:** 0738710383

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|-----------------------------------|
| Application Number | 2005/190 |
| Variety Name | 'Q220' |
| Genus Species | <i>Saccharum</i> hybrid |
| Common Name | Sugarcane |
| Synonym | Nil |
| Accepted Date | 13 Jul 2005 |
| Applicant | BSES Limited, Indooroopilly, QLD. |
| Agent | Nil |
| Qualified Person | George Piperidis |

Details of Comparative Trial

| | |
|----------------------------|--|
| Location | Meringa BSES Limited, Gordonvale, QLD. |
| Descriptor | Sugarcane (UPOV TG/186/1) |
| Period | Planted 13 Jul 2004; Descriptions 10-12 May 2005 |
| Conditions | Clones were propagated from vegetative cuttings and grown under field conditions. The trial site was strategically tilled and spray fallowed Dec 2003 and planted with a cover crop of soybean legumes over the wet season. Land preparation was by zonal tillage only. There were two rotary hoeings and two rippings in the plant zone. Planting material was generally good. Soil tilth and moisture were good at planting but extended dry weather following planting slowed establishment and suppressed stooling. Soil type: Clifton series. Watering regime: Rainfed. Chemicals: The fungicide Shirtan was applied at 400 ml per hectare at planting. Diurex (4 kg/ha) was applied on 15 Jan 2005 to control weeds. Fertilisers: DAP (120 kg/ha) was applied at planting, and CK 50/50 (400 kg/ha) was applied on 8 November 2004. Total nutrients were: Nitrogen 117.2 kg/ha; Phosphorus 24 kg/ha; Potassium 96 kg/ha. |
| Trial Design | Randomised Complete Block Design with three replicates. Plots were single row by 10 m, with 1.5 m between rows. |
| Measurements | Taken from up to 10 stalks sampled randomly per plot. |
| RHS Chart - edition | 2001 |

Origin and Breeding

Controlled pollination: The variety is the progeny of a controlled bi-parental cross made by BSES Ltd at Meringa (Gordonvale), QLD, between the seed parent QN82-1241 and the pollen parent QN77-409. Seed was collected from the pollinated female inflorescence and stored for germination in 1992. The variety has since been evaluated and selected by BSES in yield trials on the Meringa Experiment Station at Gordonvale and sites within the sugarcane growing area of the Northern region. Standard commercial varieties were also included in the trials for comparative purposes. Disease resistance screening was conducted at the pathology farm (Eight Mile Plains and Woodford), in the Tully glasshouse, and in field trials in Indonesia. After an initial seedling stage (using seed from the cross), all subsequent stages have involved vegetative propagation. The variety has been grown through three stages of selection and was found to be uniform and stable. Breeder: BSES Limited.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|------------------|------------------------------------|---|
| Internode | colour where not exposed to sun | greyed-yellow |
| Node | shape of bud | oval to ovate |
| Node | bud tip in relation to growth ring | intermediate |
| Leaf sheath | shape of ligule | crescent shaped |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|--------|---|
| 'Q121' | Bud shape is ovate, which is very similar to oval |
| 'Q200' | |

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

| Organ/Plant Part: Context | 'Q220' | 'Q121' | 'Q200' |
|--|---|--|---|
| <input type="checkbox"/> Plant: stool growth habit | erect to semi-erect | semi-erect | intermediate |
| <input type="checkbox"/> *Plant: adherence of leaf sheath | medium | medium to strong | weak to medium |
| <input type="checkbox"/> Plant: tillering | medium | medium | strong |
| <input type="checkbox"/> Plant: number of suckers | few | few | very few |
| <input type="checkbox"/> Plant: leaf canopy | medium | medium | sparse to medium |
| <input checked="" type="checkbox"/> *Internode: shape | cylindrical | bobbin-shaped | conoidal |
| <input checked="" type="checkbox"/> Internode: cross-section | circular | circular | ovate |
| <input checked="" type="checkbox"/> *Internode: colour where exposed to sun (RHS colour chart) | greyed-brown (N199B) greyed-orange (166A) greyed-orange (177C) yellow-green (153C) greyed-yellow (160A) | yellow-green (152A) greyed-orange (174A) | brown (200B) |
| <input type="checkbox"/> *Internode: colour where not exposed to sun (RHS colour chart) | greyed-orange (177C) yellow-green (153C) greyed-yellow (160A) | greyed-yellow (160A) | greyed-yellow (161A) greyed-orange (174B) |
| <input type="checkbox"/> Internode: depth of growth crack | absent or very shallow | medium to deep | absent or very shallow |
| <input checked="" type="checkbox"/> *Internode: expression of zigzag alignment | strong | weak to moderate | absent or very weak |
| <input type="checkbox"/> Internode: waxiness | medium to strong | medium to strong | medium |
| <input type="checkbox"/> Node: wax ring | medium | medium | medium |
| <input type="checkbox"/> *Node: shape of bud | oval | ovate | oval |
| <input type="checkbox"/> Node: bud prominence | medium | medium | weak to medium |
| <input type="checkbox"/> Node: depth of bud groove | shallow | absent or very shallow | medium to deep |
| <input type="checkbox"/> Node: length of bud groove | medium | | long |
| <input type="checkbox"/> Node: bud tip in relation to growth ring | intermediate | intermediate | intermediate |

| | | | | |
|-------------------------------------|--|---------------------------------|-----------------------|-----------------------|
| <input type="checkbox"/> | Node: bud cushion | narrow | absent or very narrow | absent or very narrow |
| <input type="checkbox"/> | Node: width of bud wing | medium | medium | narrow to medium |
| <input type="checkbox"/> | Leaf sheath: number of hairs | absent or very few | few to medium | medium |
| <input type="checkbox"/> | Leaf sheath: length of hairs | short | medium | medium |
| <input type="checkbox"/> | Leaf sheath: distribution of hairs | only dorsal | only dorsal | only dorsal |
| <input type="checkbox"/> | Leaf sheath: shape of ligule | crescent-shaped | crescent-shaped | crescent-shaped |
| <input type="checkbox"/> | Leaf sheath: ligule width | wide | wide | medium |
| <input type="checkbox"/> | Leaf sheath: length of ligule hairs | short | short to medium | short |
| <input type="checkbox"/> | Leaf sheath: density of ligule hairs | medium | medium to dense | medium |
| <input checked="" type="checkbox"/> | Leaf sheath: shape of underlapping auricle | falcate | transitional | deltoid |
| <input type="checkbox"/> | Leaf sheath: size of underlapping auricle | small to medium | | small |
| <input type="checkbox"/> | Leaf sheath: shape of overlapping auricle | transitional | transitional | transitional |
| <input type="checkbox"/> | Leaf blade: curvature | curved tips | curved tips | curved tips |
| <input type="checkbox"/> | Leaf blade: pubescence on margin | absent or very sparse to sparse | absent or very sparse | absent or very sparse |
| <input type="checkbox"/> | Leaf blade: serration of margin | present | present | present |

Statistical Table

| Organ/Plant Part: Context | ‘Q220’ | ‘Q121’ | ‘Q200’ |
|---|---------------|---------------|---------------|
| <input type="checkbox"/> Culm: height (cm) | | | |
| Mean | 281.72 | 257.77 | 279.73 |
| Std. Deviation | 24.01 | 22.53 | 24.07 |
| LSD/sig | 22.66 | ns | ns |
| <input checked="" type="checkbox"/> Leaf: ratio leaf blade/midrib width | | | |
| Mean | 8.77 | 10.52 | 10.97 |
| Std. Deviation | 0.77 | 1.01 | 1.13 |
| Lsd/sig | 1.01 | P≤0.01 | P≤0.01 |
| <input type="checkbox"/> Internode: diameter (mm) | | | |
| Mean | 27.28 | 23.98 | 23.69 |
| Std. Deviation | 2.99 | 3.03 | 2.60 |
| LSD/sig | 3.46 | ns | ns |
| <input checked="" type="checkbox"/> Node: width of root band (mm) | | | |
| Mean | 10.52 | 7.59 | 8.94 |
| Std. Deviation | 0.68 | 0.69 | 0.94 |
| LSD/sig | 1.08 | P≤0.01 | P≤0.01 |
| <input type="checkbox"/> Node: width of bud (mm) | | | |
| Mean | 8.11 | 7.87 | 6.80 |
| Std. Deviation | 0.55 | 0.86 | 0.82 |
| LSD/sig | 1.13 | ns | ns |
| <input checked="" type="checkbox"/> Leaf sheath: length (mm) | | | |

| | | | |
|---|--------|--------|--------|
| Mean | 375.69 | 396.33 | 259.83 |
| Std. Deviation | 15.45 | 19.07 | 13.03 |
| LSD/sig | 18.85 | P≤0.01 | P≤0.01 |
| <input checked="" type="checkbox"/> Leaf blade: width (mm) | | | |
| Mean | 43.99 | 40.99 | 39.30 |
| Std. Deviation | 4.49 | 4.25 | 3.22 |
| LSD/sig | 3.73 | ns | P≤0.01 |
| <input checked="" type="checkbox"/> Leaf: midrib width (mm) | | | |
| Mean | 5.03 | 3.91 | 3.61 |
| Std. Deviation | 0.51 | 0.36 | 0.42 |
| LSD/sig | 0.36 | P≤0.01 | P≤0.01 |
| <input checked="" type="checkbox"/> Leaf blade: length (cm) | | | |
| Mean | 193.03 | 175.77 | 146.82 |
| Std. Deviation | 13.51 | 10.57 | 11.01 |
| LSD/sig | 12.16 | P≤0.01 | P≤0.01 |
| <input type="checkbox"/> Internode: length (cm) | | | |
| Mean | 18.76 | 18.22 | 18.44 |
| Std. Deviation | 2.33 | 1.57 | 1.46 |
| LSD/sig | 1.73 | ns | ns |

Prior Applications and Sales

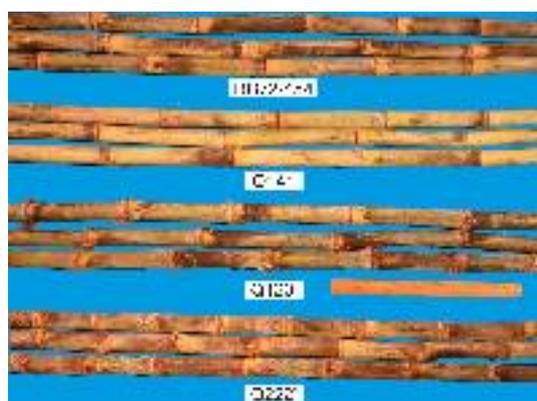
No prior applications. First sold in Australia in Jun 2005.

Description: **George Piperidis**, BSES Limited, Mackay, QLD.

Plant Varieties Journal - Search Result Details

Sugarcane (*Saccharum hybrid*)**Variety:** 'Q222'**Synonym:** N/A**Application no:** 2005/191**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 17-Jun-2005**Accepted:** 13-Jul-2005**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Varieties Journal:****Title Holder:** BSES Limited**Agent:** N/A**Telephone:** 0733313333**Fax:** 0738710383

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|-----------------------------------|
| Application Number | 2005/191 |
| Variety Name | 'Q222' |
| Genus Species | <i>Saccharum</i> hybrid |
| Common Name | Sugarcane |
| Synonym | Nil |
| Accepted Date | 13 Jul 2005 |
| Applicant | BSES Limited, Indooroopilly, QLD. |
| Agent | Nil |
| Qualified Person | George Piperidis |

Details of Comparative Trial

| | |
|----------------------------|--|
| Location | Meringa BSES Limited, Gordonvale, QLD. |
| Descriptor | Sugarcane (UPOV TG/186/1) |
| Period | Planted 13 Jul 2004; descriptions 10-12 May 2005 |
| Conditions | Clones were propagated from vegetative cuttings and grown under field conditions. The trial site was strategically tilled and spray fallowed in Dec 2003 and planted with a cover crop of soybean legumes over the wet season. Land preparation was by zonal tillage only. There were two rotary hoeings and two rippings in the plant zone. Planting material was generally good. Soil tilth and moisture were good at planting but extended dry weather following planting slowed establishment and suppressed stooling. Soil type: Clifton series. Watering regime: Rainfed. Chemicals: The fungicide Shirtan was applied at 400 ml per hectare at planting. Diurex (4 kg/ha) was applied on 15 Jan 2005 to control weeds. Fertilisers: DAP (120 kg/ha) was applied at planting, and CK 50/50 (400 kg/ha) was applied on 8 Nov 2004. Total nutrients were: Nitrogen 117.2 kg/ha; Phosphorus 24 kg/ha; Potassium 96 kg/ha. |
| Trial Design | Randomised Complete Block Design with three replicates. Plots were single row by 10 m, with 1.5 m between rows. |
| Measurements | Taken from up to 10 stalks sampled randomly per plot. |
| RHS Chart - edition | 2001 |

Origin and Breeding

The variety is the progeny of a controlled bi-parental cross made by BSES Ltd at Meringa (Gordonvale), QLD, between the seed parent 'QN79-238' and the pollen parent 'QS80-7031'. Seed was collected from the pollinated female inflorescence and stored for germination in 1992. The variety has since been evaluated and selected by BSES in yield trials on the Southern Sugar Experiment Station at Bundaberg and sites within the sugarcane growing area in the southern region. Standard commercial varieties were also included in the trials for comparative purposes. Disease resistance screening was conducted at the pathology farm (Eight Mile Plains and Woodford), in the Tully glasshouse, and in field trials in Indonesia. After an initial seedling stage (using seed from the cross), all subsequent stages have involved vegetative propagation. The variety has been grown through three stages of selection and was found to be uniform and stable. Breeder: BSES Limited.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|------------------|---------------------------------|---|
| Internode | colour where not exposed to sun | yellow-green |
| Leaf sheath | length of hairs | medium |
| Leaf sheath | shape of ligule | crescent shaped |
| Leaf sheath | ligule width | medium-wide |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|------------|----------|
| 'Q120' | |
| 'Q141' | |
| 'RB72-454' | |

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

| Organ/Plant Part: Context | 'Q222' | 'Q120' | 'Q141' | 'RB72-454' |
|---|--|--|-----------------------------|-----------------------------|
| <input type="checkbox"/> Plant: stool growth habit | semi-prostrate | erect | erect | erect to semi-erect |
| <input type="checkbox"/> *Plant: adherence of leaf sheath | medium | strong | weak to medium | medium |
| <input type="checkbox"/> Plant: tillering | medium | weak | strong | medium |
| <input type="checkbox"/> Plant: number of suckers | medium | very few | very few | very few |
| <input type="checkbox"/> Plant: leaf canopy | sparse | medium | medium | sparse |
| <input type="checkbox"/> *Internode: shape | cylindrical | concave-convex | concave-convex | concave-convex |
| <input type="checkbox"/> Internode: cross-section | circular | ovate | ovate | circular |
| <input type="checkbox"/> *Internode: colour where exposed to sun (RHS colour chart) | greyed-brown (N199A) greyed-orange (166A) | yellow-green (152A) to greyed-brown (N199A) | yellow-green (152A to 146A) | greyed-purple (183A) |
| <input type="checkbox"/> *Internode: colour where not exposed to sun (RHS colour chart) | yellow-green (151A) | yellow-green (151A, 153D) | yellow-green (151C to 151D) | yellow-green (151A to 151D) |
| <input type="checkbox"/> Internode: depth of growth crack | absent or very shallow | medium | shallow to medium | absent or very shallow |
| <input type="checkbox"/> *Internode: expression of zigzag alignment | absent or very weak | moderate to strong | moderate | moderate |
| <input type="checkbox"/> Internode: waxiness | medium to strong | weak to medium | weak | medium to strong |
| <input type="checkbox"/> Node: wax ring | medium | narrow to medium | narrow to medium | medium |
| <input type="checkbox"/> *Node: shape of bud | triangular-pointed | round | oval | round |
| <input type="checkbox"/> Node: bud prominence | weak to medium | medium to strong | weak to medium | weak |
| <input type="checkbox"/> Node: depth of bud groove | shallow | shallow | absent or very shallow | shallow |

| | | | | | |
|--------------------------|--|-----------------------|-----------------------|-----------------------|---------------------------------|
| <input type="checkbox"/> | Node: length of bud groove | medium | medium to long | | medium to long |
| <input type="checkbox"/> | Node: bud tip in relation to growth ring | clearly above | clearly below | intermediate | clearly below |
| <input type="checkbox"/> | Node: bud cushion | absent or very narrow |
| <input type="checkbox"/> | Node: width of bud wing | narrow | medium to wide | medium | narrow |
| <input type="checkbox"/> | Leaf sheath: number of hairs | medium to many | few | many | absent or very few to few |
| <input type="checkbox"/> | Leaf sheath: length of hairs | medium | medium | medium | medium |
| <input type="checkbox"/> | Leaf sheath: distribution of hairs | lateral and dorsal | only dorsal | only dorsal | only dorsal |
| <input type="checkbox"/> | Leaf sheath: shape of ligule | crescent-shaped | crescent-shaped | crescent-shaped | crescent-shaped |
| <input type="checkbox"/> | Leaf sheath: ligule width | medium | medium | wide | wide |
| <input type="checkbox"/> | Leaf sheath: length of ligule hairs | medium | short to medium | medium | long |
| <input type="checkbox"/> | Leaf sheath: density of ligule hairs | dense | medium | medium | dense |
| <input type="checkbox"/> | Leaf sheath: shape of underlapping auricle | lanceolate | calcariform | lanceolate | lanceolate |
| <input type="checkbox"/> | Leaf sheath: size of underlapping auricle | small | medium to large | medium | large |
| <input type="checkbox"/> | Leaf sheath: shape of overlapping auricle | transitional | deltoid | transitional | deltoid |
| <input type="checkbox"/> | Leaf blade: curvature | curved tips | curved tips | curved tips | curved tips |
| <input type="checkbox"/> | Leaf blade: pubescence on margin | sparse | sparse | medium | absent or very sparse to sparse |
| <input type="checkbox"/> | Leaf blade: serration of margin | present | present | present | present |

Statistical Table

| Organ/Plant Part: Context | ‘Q222’ | ‘Q120’ | ‘Q141’ | ‘RB72-454’ |
|---|---------------|---------------|---------------|-------------------|
| <input checked="" type="checkbox"/> Culm: height | | | | |
| Mean | 292.30 | 282.97 | 253.20 | 286.77 |
| Std. Deviation | 19.86 | 13.99 | 15.70 | 29.97 |
| LSD/sig | 22.67 | ns | P≤0.01 | ns |
| <input checked="" type="checkbox"/> Internode: length | | | | |
| Mean | 14.38 | 18.19 | 20.18 | 19.13 |
| Std. Deviation | 1.16 | 1.30 | 1.43 | 2.35 |
| LSD/sig | 1.73 | P≤0.01 | P≤0.01 | P≤0.01 |
| <input type="checkbox"/> Internode: diameter | | | | |
| Mean | 24.86 | 25.61 | 26.78 | 26.38 |
| Std. Deviation | 2.92 | 2.05 | 2.59 | 4.04 |
| LSD/sig | 3.46 | ns | ns | ns |
| <input type="checkbox"/> Node: width of root band | | | | |

| | | | | |
|---|--------|--------|--------|--------|
| Mean | 9.30 | 10.46 | 10.16 | 9.48 |
| Std. Deviation | 0.68 | 0.88 | 0.64 | 1.05 |
| LSD/sig | 1.08 | ns | ns | ns |
| <input checked="" type="checkbox"/> Leaf blade: length | | | | |
| Mean | 139.26 | 164.58 | 188.43 | 151.62 |
| Std. Deviation | 5.45 | 6.57 | 8.99 | 9.81 |
| LSD/sig | 12.16 | P≤0.01 | P≤0.01 | P≤0.01 |
| <input type="checkbox"/> Leaf blade: width | | | | |
| Mean | 40.77 | 43.10 | 41.25 | 41.94 |
| Std. Deviation | 3.22 | 2.87 | 3.88 | 5.64 |
| LSD/sig | 3.73 | ns | ns | ns |
| <input checked="" type="checkbox"/> Leaf: midrib width | | | | |
| Mean | 4.03 | 4.12 | 4.93 | 3.95 |
| Std. Deviation | 0.36 | 0.50 | 0.65 | 0.43 |
| LSD/sig | 0.36 | ns | P≤0.01 | ns |
| <input checked="" type="checkbox"/> Leaf: ratio leaf blade/midrib width | | | | |
| Mean | 10.16 | 10.58 | 8.49 | 10.64 |
| Std. Deviation | 0.72 | 1.07 | 1.18 | 1.31 |
| LSD/sig | 1.01 | ns | P≤0.01 | ns |
| <input checked="" type="checkbox"/> Leaf sheath: length | | | | |
| Mean | 294.17 | 353.97 | 375.33 | 334.66 |
| Std. Deviation | 11.23 | 12.28 | 11.21 | 17.06 |
| LSD/sig | 18.85 | P≤0.01 | P≤0.01 | P≤0.01 |
| <input checked="" type="checkbox"/> Node: width of bud | | | | |
| Mean | 6.95 | 8.98 | 7.93 | 5.40 |
| Std. Deviation | 0.87 | 1.04 | 0.89 | 0.79 |
| LSD/sig | 1.13 | P≤0.01 | ns | P≤0.01 |

Prior Applications and Sales

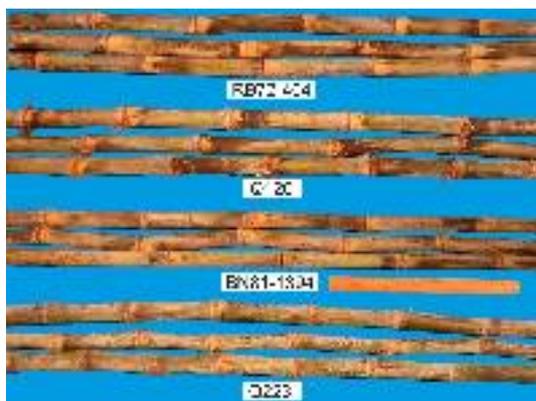
No prior applications. First sold in Australia in Jun 2005.

Description: **George Piperidis**, BSES Limited, Mackay, QLD.

Plant Varieties Journal - Search Result Details

Sugarcane (*Saccharum hybrid*)**Variety:** 'Q223'**Synonym:** N/A**Application no:** 2005/192**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 17-Jun-2005**Accepted:** 13-Jul-2005**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Varieties Journal:****Title Holder:** BSES Limited**Agent:** N/A**Telephone:** 0733313333**Fax:** 0738710383

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|-----------------------------------|
| Application Number | 2005/192 |
| Variety Name | 'Q223' |
| Genus Species | <i>Saccharum</i> hybrid |
| Common Name | Sugarcane |
| Synonym | Nil |
| Accepted Date | 13 Jul 2005 |
| Applicant | BSES Limited, Indooroopilly, QLD. |
| Agent | Nil |
| Qualified Person | George Piperidis |

Details of Comparative Trial

| | |
|----------------------------|--|
| Location | Meringa BSES Limited, Gordonvale, QLD. |
| Descriptor | Sugarcane (UPOV TG/186/1) |
| Period | Planted 13/07/2004; Descriptions 10-12/05/2005 |
| Conditions | Clones were propagated from vegetative cuttings and grown under field conditions. Trial site was strategically tilled and spray fallowed Dec 2003 and planted with cover crop of soybean legumes over the wet season. Land preparation was by zonal tillage only. Two rotary hoeings and two rippings in the plant zone. Planting material was generally good. Soil tilth and moisture were good at planting but extended dry weather following planting slowed establishment and suppressed stooling. Soil type: Clifton series. Watering regime: Rainfed. Chemicals: The fungicide Shirtan was applied at 400 ml per hectare at planting. Diurex (4 kg/ha) was applied on 15 Jan 2005 to control weeds. Fertilisers: DAP (120 kg/ha) was applied at planting, and CK 50/50 (400 kg/ha) was applied on 8 Nov 2004. Total nutrients were: Nitrogen 117.2 kg/ha; Phosphorus 24 kg/ha; Potassium 96 kg/ha. |
| Trial Design | Randomised Complete Block Design with three replicates. Plots were single row by 10 m, with 1.5 m between rows. |
| Measurements | Taken from up to 10 stalks sampled randomly per plot. |
| RHS Chart - edition | 2001 |

Origin and Breeding

Controlled pollination: The variety is the progeny of a controlled bi-parental cross made by BSES Ltd at Meringa (Gordonvale), QLD, between the seed parent QN67-2254 and the pollen parent R65-142. Seed was collected from the pollinated female inflorescence and stored for germination in 1979. The variety has since been evaluated and selected by BSES in yield trials in the Condong, Broadwater, and Harwood regions in the sugarcane growing areas of northern NSW. Standard commercial varieties were also included in the trials for comparative purposes. Disease resistance screening was conducted at the pathology farm (Eight Mile Plains and Woodford), in the Tully glasshouse, and in field trials in Indonesia. After an initial seedling stage (using seed from the cross), all subsequent stages have involved vegetative propagation. The variety has been grown through three stages of selection and was found to be uniform and stable. Breeder: BSES Limited.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|------------------|---------------------------------|---|
| Internode | colour where not exposed to sun | yellow-green |
| Node | shape of bud | round |
| Node | length of bud groove | long -medium |
| Leaf sheath | distribution of hairs | only dorsal |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|-------------|--|
| ‘BN81-1394’ | Note: bud shape is oval, very similar to round |
| ‘Q120’ | |
| ‘RB72-454’ | |

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

| Organ/Plant Part: Context | ‘Q223’ | ‘BN81-1394’ | ‘Q120’ | ‘RB72-454’ |
|--|---|----------------------------|---|-----------------------------|
| <input type="checkbox"/> Plant: stool growth habit | erect to semi-erect | semi-erect | erect | erect to semi-erect |
| <input type="checkbox"/> *Plant: adherence of leaf sheath | weak | strong | strong | medium |
| <input type="checkbox"/> Plant: tillering | medium | strong | weak | medium |
| <input type="checkbox"/> Plant: number of suckers | few | medium | very few | very few |
| <input type="checkbox"/> Plant: leaf canopy | sparse | medium | medium | sparse |
| <input type="checkbox"/> *Internode: shape | bobbin-shaped | cylindrical | concave-convex | concave-convex |
| <input type="checkbox"/> Internode: cross-section | ovate | ovate | ovate | circular |
| <input checked="" type="checkbox"/> *Internode: colour where exposed to sun (RHS colour chart) | greyed-purple (N186C), greyed-brown (N199A) | brown (200B) | yellow-green (152A) to greyed-brown (N199A) | greyed-purple (183A) |
| <input type="checkbox"/> *Internode: colour where not exposed to sun (RHS colour chart) | yellow-green (144B, 144A) | yellow-green (N144A, 151A) | yellow-green (151A, 153D) | yellow-green (151A to 151D) |
| <input type="checkbox"/> Internode: depth of growth crack | absent or very shallow | absent or very shallow | medium | absent or very shallow |
| <input type="checkbox"/> *Internode: expression of zigzag alignment | strong | moderate to strong | moderate to strong | moderate |
| <input type="checkbox"/> Internode: waxiness | medium to strong | medium | weak to medium | medium to strong |
| <input type="checkbox"/> Node: wax ring | medium to wide | narrow to medium | narrow to medium | medium |
| <input type="checkbox"/> *Node: shape of bud | round | oval | round | round |
| <input type="checkbox"/> Node: bud prominence | medium to strong | medium to strong | medium to strong | weak |
| <input type="checkbox"/> Node: depth of bud groove | medium to deep | absent or very shallow | shallow | shallow |

| | | | | | |
|-------------------------------------|--|-----------------------|---------------------------------|-----------------------|---------------------------------|
| <input type="checkbox"/> | Node: length of bud groove | long | | medium to long | medium to long |
| <input type="checkbox"/> | Node: bud tip in relation to growth ring | intermediate | clearly below | clearly below | clearly below |
| <input type="checkbox"/> | Node: bud cushion | absent or very narrow | absent or very narrow | absent or very narrow | absent or very narrow |
| <input type="checkbox"/> | Node: width of bud wing | medium | narrow | medium to wide | narrow |
| <input type="checkbox"/> | Leaf sheath: number of hairs | few | few | few | absent or very few to few |
| <input type="checkbox"/> | Leaf sheath: length of hairs | short to medium | medium to long | medium | medium |
| <input type="checkbox"/> | Leaf sheath: distribution of hairs | only dorsal | only dorsal | only dorsal | only dorsal |
| <input type="checkbox"/> | Leaf sheath: shape of ligule | crescent-shaped | crescent-shaped | crescent-shaped | crescent-shaped |
| <input type="checkbox"/> | Leaf sheath: ligule width | medium | wide | medium | wide |
| <input type="checkbox"/> | Leaf sheath: length of ligule hairs | short | medium | short to medium | long |
| <input type="checkbox"/> | Leaf sheath: density of ligule hairs | medium | medium to dense | medium | dense |
| <input checked="" type="checkbox"/> | Leaf sheath: shape of underlapping auricle | falcate | transitional | calcariform | lanceolate |
| <input type="checkbox"/> | Leaf sheath: size of underlapping auricle | small | | medium to large | large |
| <input type="checkbox"/> | Leaf sheath: shape of overlapping auricle | transitional | transitional | deltoid | deltoid |
| <input type="checkbox"/> | Leaf blade: curvature | curved tips | arched | curved tips | curved tips |
| <input type="checkbox"/> | Leaf blade: pubescence on margin | sparse | absent or very sparse to sparse | sparse | absent or very sparse to sparse |
| <input type="checkbox"/> | Leaf blade: serration of margin | present | present | present | present |

Statistical Table

| Organ/Plant Part: Context | ‘Q223’ | ‘BN81-1394’ | ‘Q120’ | ‘RB72-454’ |
|--|---------------|--------------------|---------------|-------------------|
| <input type="checkbox"/> Culm: height | | | | |
| Mean | 300.00 | 281.33 | 282.97 | 286.77 |
| Std. Deviation | 26.07 | 28.12 | 13.99 | 29.97 |
| LSD/sig | 22.66 | ns | ns | ns |
| <input type="checkbox"/> Internode: length | | | | |
| Mean | 17.66 | 18.97 | 18.19 | 19.13 |
| Std. Deviation | 1.66 | 1.95 | 1.30 | 2.35 |
| LSD/sig | 1.73 | ns | ns | ns |
| <input type="checkbox"/> Internode: diameter | | | | |
| Mean | 24.88 | 21.49 | 25.61 | 26.38 |
| Std. Deviation | 3.42 | 2.93 | 2.05 | 4.04 |
| LSD/sig | 3.46 | ns | ns | ns |
| <input checked="" type="checkbox"/> Node: width of bud | | | | |
| Mean | 6.93 | 6.07 | 8.98 | 5.40 |

| | | | | |
|---|--------|--------|--------|--------|
| Std. Deviation | 0.65 | 0.87 | 1.04 | 0.79 |
| LSD/sig | 1.13 | ns | P≤0.01 | P≤0.01 |
| <input type="checkbox"/> Node: width of root band | | | | |
| Mean | 9.44 | 9.38 | 10.46 | 9.48 |
| Std. Deviation | 0.74 | 1.06 | 0.88 | 1.05 |
| LSD/sig | 1.08 | ns | ns | ns |
| <input checked="" type="checkbox"/> Leaf blade: length | | | | |
| Mean | 143.04 | 158.85 | 164.58 | 151.62 |
| Std. Deviation | 13.10 | 10.54 | 6.57 | 9.81 |
| LSD/sig | 12.16 | P≤0.01 | P≤0.01 | ns |
| <input checked="" type="checkbox"/> Leaf blade: width | | | | |
| Mean | 37.63 | 31.83 | 43.10 | 41.94 |
| Std. Deviation | 3.83 | 3.08 | 2.87 | 5.64 |
| LSD/sig | 3.73 | P≤0.01 | P≤0.01 | P≤0.01 |
| <input checked="" type="checkbox"/> Leaf: midrib width | | | | |
| Mean | 3.66 | 3.51 | 4.12 | 3.95 |
| Std. Deviation | 0.57 | 0.41 | 0.50 | 0.43 |
| LSD/sig | 0.36 | ns | P≤0.01 | ns |
| <input checked="" type="checkbox"/> Leaf sheath: length | | | | |
| Mean | 251.25 | 287.59 | 353.97 | 334.66 |
| Std. Deviation | 10.68 | 18.42 | 12.28 | 17.06 |
| LSD/sig | 18.85 | P≤0.01 | P≤0.01 | P≤0.01 |
| <input checked="" type="checkbox"/> Leaf: ratio leaf blade/midrib width | | | | |
| Mean | 10.44 | 9.14 | 10.58 | 10.64 |
| Std. Deviation | 1.36 | 0.96 | 1.07 | 1.31 |
| LSD/sig | 1.01 | P≤0.01 | ns | ns |

Prior Applications and Sales

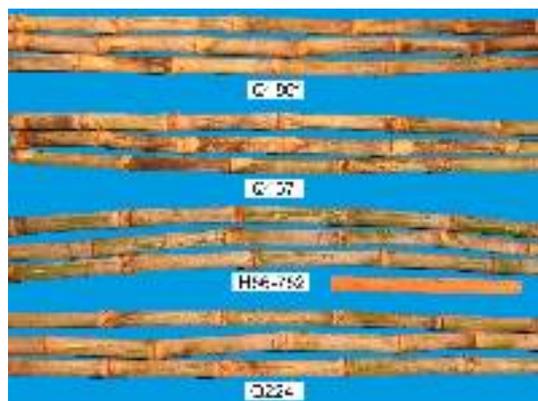
Nil.

Description: **George Piperidis**, BSES Limited, Mackay, QLD.

Plant Varieties Journal - Search Result Details

Sugarcane (*Saccharum hybrid*)**Variety:** 'Q224'**Synonym:** N/A**Application no:** 2005/193**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 17-Jun-2005**Accepted:** 13-Jul-2005**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Varieties Journal:****Title Holder:** BSES Limited**Agent:** N/A**Telephone:** 0733313333**Fax:** 0738710383

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|-----------------------------------|
| Application Number | 2005/193 |
| Variety Name | 'Q224' |
| Genus Species | <i>Saccharum</i> hybrid |
| Common Name | Sugarcane |
| Synonym | Nil |
| Accepted Date | 13 Jul 2005 |
| Applicant | BSES Limited, Indooroopilly, QLD. |
| Agent | Nil |
| Qualified Person | George Piperidis |

Details of Comparative Trial

| | |
|----------------------------|--|
| Location | Meringa BSES Limited, Gordonvale, QLD. |
| Descriptor | Sugarcane (UPOV TG/186/1) |
| Period | Planted 13 Jul 2004; descriptions 10-12 May 2005 |
| Conditions | Clones were propagated from vegetative cuttings and grown under field conditions. Trial site was strategically tilled and spray fallowed in Dec 2003 and planted with cover crop of soybean legumes over the wet season. Land preparation was by zonal tillage only. There were two rotary hoeings and two rippings in the plant zone. Planting material was generally good. Soil tilth and moisture were good at planting but extended dry weather following the planting slowed establishment and suppressed stooling. Soil type: Clifton series. Watering regime: Rainfed. Chemicals: The fungicide Shirtan was applied at 400 ml per hectare at planting. Diurex (4 kg/ha) was applied on 15 Jan 2005 to control weeds. Fertilisers: DAP (120 kg/ha) was applied at planting, and CK 50/50 (400 kg/ha) was applied on 8 Nov 2004. Total nutrients were: Nitrogen 117.2 kg/ha; Phosphorus 24 kg/ha; Potassium 96 kg/ha. |
| Trial Design | Randomised Complete Block Design with three replicates. Plots were single row by 10 m, with 1.5 m between rows. |
| Measurements | Taken from up to 10 stalks sampled randomly per plot. |
| RHS Chart - edition | 2001 |

Origin and Breeding

Controlled pollination: The variety is the progeny of a controlled bi-parental cross made by BSES Ltd at Meringa (Gordonvale), QLD, between the seed parent 'H56-742' and the pollen parent 'Q153'. Seed was collected from the pollinated female inflorescence and stored for germination in 1987. The variety has since been evaluated and selected by BSES in yield trials in the Condong, Broadwater, and Harwood regions in the sugarcane growing areas of northern NSW. Standard commercial varieties were also included in the trials for comparative purposes. Disease resistance screening was conducted at the pathology farm (Eight Mile Plains and Woodford), in the Tully glasshouse, and in field trials in Indonesia. After an initial seedling stage (using seed from the cross), all subsequent stages have involved vegetative propagation. The variety has been grown through three stages of selection and was found to be uniform and stable. Breeder: BSES Limited.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|------------------|---------------------------------|---|
| Internode | colour where not exposed to sun | yellow-green |
| Node | shape of bud | ovate |
| Node | Length of bud groove | medium |
| Node | Bud tip in relation growth ring | intermediate |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|-----------|---|
| 'Q137' | |
| 'Q186' | |
| 'H56-752' | 'H56-752' is also the seed parent of 'Q224' |

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

| Organ/Plant Part: Context | 'Q224' | 'H56-752' | 'Q137' | 'Q186' |
|--|---------------------|-----------------------------|------------------------|--|
| <input type="checkbox"/> Plant: stool growth habit | intermediate | semi-erect | semi-erect | intermediate |
| <input type="checkbox"/> *Plant: adherence of leaf sheath | weak to medium | weak | medium | weak to medium |
| <input type="checkbox"/> Plant: tillering | medium | medium | medium | medium |
| <input type="checkbox"/> Plant: number of suckers | medium | few | very few | very few |
| <input type="checkbox"/> Plant: leaf canopy | medium | medium | sparse to medium | medium to dense |
| <input checked="" type="checkbox"/> *Internode: shape | cylindrical | bobbin-shaped | concave-convex | cylindrical |
| <input checked="" type="checkbox"/> Internode: cross-section | circular | ovate | circular | ovate |
| <input checked="" type="checkbox"/> *Internode: colour where exposed to sun (RHS colour chart) | yellow-green (146B) | yellow-green (146B) | yellow-green (152B) | greyed-orange (176D) yellow-green (146B) |
| <input type="checkbox"/> *Internode: colour where not exposed to sun (RHS colour chart) | yellow-green (151A) | yellow-green (153C to 153D) | yellow-green (151A) | yellow-green (151A) greyed-yellow (160A) |
| <input type="checkbox"/> Internode: depth of growth crack | medium | absent or very shallow | shallow to medium | absent or very shallow |
| <input type="checkbox"/> *Internode: expression of zigzag alignment | moderate to strong | moderate to strong | moderate | moderate |
| <input type="checkbox"/> Internode: waxiness | medium to strong | strong | weak to medium | medium |
| <input type="checkbox"/> Node: wax ring | medium | medium | medium | narrow to medium |
| <input type="checkbox"/> *Node: shape of bud | ovate | ovate | round | ovate |
| <input type="checkbox"/> Node: bud prominence | weak to medium | medium | medium | medium |
| <input type="checkbox"/> Node: depth of bud groove | shallow | shallow to medium | absent or very shallow | absent or very shallow to shallow |
| <input type="checkbox"/> Node: length of bud groove | medium | medium | | medium |

| | | | | | |
|--------------------------|--|-----------------------|-----------------|---------------------------------|---------------------------------|
| <input type="checkbox"/> | Node: bud tip in relation to growth ring | intermediate | intermediate | intermediate | intermediate |
| <input type="checkbox"/> | Node: bud cushion | absent or very narrow | narrow | absent or very narrow to narrow | absent or very narrow |
| <input type="checkbox"/> | Node: width of bud wing | narrow | medium to wide | wide | narrow |
| <input type="checkbox"/> | Leaf sheath: number of hairs | few | few | medium | absent or very few to few |
| <input type="checkbox"/> | Leaf sheath: length of hairs | short | medium | short to medium | short |
| <input type="checkbox"/> | Leaf sheath: distribution of hairs | only dorsal | only dorsal | only dorsal | only dorsal |
| <input type="checkbox"/> | Leaf sheath: shape of ligule | deltoid | deltoid | crescent-shaped | crescent-shaped |
| <input type="checkbox"/> | Leaf sheath: ligule width | wide | wide | wide | medium |
| <input type="checkbox"/> | Leaf sheath: length of ligule hairs | short | short | short | short |
| <input type="checkbox"/> | Leaf sheath: density of ligule hairs | medium | sparse | medium to dense | sparse |
| <input type="checkbox"/> | Leaf sheath: shape of underlapping auricle | lanceolate | lanceolate | deltoid | falcate |
| <input type="checkbox"/> | Leaf sheath: size of underlapping auricle | small | small to medium | small | small |
| <input type="checkbox"/> | Leaf sheath: shape of overlapping auricle | transitional | transitional | transitional | transitional |
| <input type="checkbox"/> | Leaf blade: curvature | curved tips | curved tips | curved tips | curved tips |
| <input type="checkbox"/> | Leaf blade: pubescence on margin | sparse | sparse | medium to dense | absent or very sparse to sparse |
| <input type="checkbox"/> | Leaf blade: serration of margin | present | present | present | present |

Statistical Table

| Organ/Plant Part: Context | ‘Q224’ | ‘H56-752’ | ‘Q137’ | ‘Q186’ |
|--|---------------|------------------|---------------|---------------|
| <input checked="" type="checkbox"/> Culm: height | | | | |
| Mean | 326.09 | 306.17 | 272.82 | 275.53 |
| Std. Deviation | 31.53 | 26.86 | 20.94 | 18.36 |
| LSD/sig | 22.66 | ns | P≤0.01 | P≤0.01 |
| <input type="checkbox"/> Internode: length | | | | |
| Mean | 19.09 | 19.29 | 17.53 | 17.36 |
| Std. Deviation | 1.64 | 1.27 | 1.29 | 1.51 |
| Lsd/sig | 1.73 | ns | ns | ns |
| <input type="checkbox"/> Internode: diameter | | | | |
| Mean | 25.89 | 24.43 | 23.11 | 24.46 |
| Std. Deviation | 3.27 | 3.56 | 2.10 | 2.65 |
| LSD/sig | 3.46 | ns | ns | ns |
| <input checked="" type="checkbox"/> Node: width of root band | | | | |
| Mean | 10.37 | 10.96 | 9.08 | 10.04 |

| | | | | |
|---|--------|--------|--------|--------|
| Std. Deviation | 0.73 | 1.33 | 0.55 | 1.16 |
| LSD/sig | 1.08 | ns | P≤0.01 | ns |
| <input checked="" type="checkbox"/> Node: width of bud | | | | |
| Mean | 7.98 | 7.76 | 7.30 | 5.93 |
| Std. Deviation | 1.07 | 1.08 | 0.88 | 0.76 |
| LSD/sig | 1.13 | ns | ns | P≤0.01 |
| <input checked="" type="checkbox"/> Leaf blade: length | | | | |
| Mean | 146.90 | 178.50 | 154.05 | 150.48 |
| Std. Deviation | 5.17 | 5.10 | 9.39 | 7.61 |
| Lsd/sig | 12.16 | P≤0.01 | ns | ns |
| <input checked="" type="checkbox"/> Leaf blade: width | | | | |
| Mean | 45.77 | 38.45 | 35.87 | 45.45 |
| Std. Deviation | 4.74 | 4.48 | 3.78 | 4.24 |
| LSD/sig | 3.73 | P≤0.01 | P≤0.01 | ns |
| <input checked="" type="checkbox"/> Leaf: midrib width | | | | |
| Mean | 3.50 | 3.49 | 3.54 | 4.76 |
| Std. Deviation | 0.43 | 0.49 | 0.31 | 0.58 |
| LSD/sig | 0.36 | ns | ns | P≤0.01 |
| <input checked="" type="checkbox"/> Leaf sheath: length | | | | |
| Mean | 335.91 | 323.67 | 322.73 | 267.33 |
| Std. Deviation | 19.34 | 11.67 | 18.56 | 9.26 |
| LSD/sig | 18.85 | ns | ns | P≤0.01 |
| <input checked="" type="checkbox"/> Leaf: ratio leaf blade/midrib width | | | | |
| Mean | 13.22 | 11.10 | 10.17 | 9.62 |
| Std. Deviation | 1.68 | 1.24 | 1.19 | 1.06 |
| LSD/sig | 1.01 | P≤0.01 | P≤0.01 | P≤0.01 |

Prior Applications and Sales

Nil.

Description: **George Piperidis**, BSES Limited, Mackay, QLD.

Plant Varieties Journal - Search Result Details

Lilly Pilly (*Acmena smithii*)**Variety:** 'Mauve Maisie'**Synonym:** N/A**Application no:** 2004/196**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 23-Jun-2004**Accepted:** 29-Jul-2004**Granted:** N/A**Description published****in Plant** Volume 18, Issue 4**Varieties****Journal:****Title Holder:** Dale's Tubestock Nursery**Agent:** N/A**Telephone:** 0754941614**Fax:** N/A

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|--|
| Application Number | 2004/196 |
| Variety Name | Mauve Maisie |
| Genus Species | <i>Acmena smithii</i> |
| Common Name | Lilly Pilly |
| Synonym | Nil |
| Accepted Date | 29 Jul 2004 |
| Applicant | Dale's Tubestock Nursery, Landsborough, QLD. |
| Agent | Nil |
| Qualified Person | David Hockings |

Details of Comparative Trial

| | |
|----------------------------|--|
| Location | Dales Tubestock Nursery, Landsborough, QLD. |
| Descriptor | Lilly Pilly (<i>Acmena smithii</i> / <i>Syzygium</i> sp) |
| Period | Summer 2005 - 06 |
| Conditions | Trial conducted in open, plants propagated from cuttings, rooted cuttings planted into 200 mm pots filled with pinebark based potting mix, nutrition maintained with slow release fertiliser, pest and disease treatments applied as required. |
| Trial Design | 15 pots of each variety arranged in a completely randomised design. |
| Measurements | One sample for each of 15 plants of each variety |
| RHS Chart - edition | 1986 |

Origin and Breeding

Spontaneous mutation: seed parent normal *Acmena smithii*. This variegated seedling was chosen from a batch of normal seedlings raised in 2001 at Dales Tubestock Nursery, Landsborough, QLD. Selection criteria: red/purple colour of the variegated young leaves. Propagation: cuttings have been propagated through four generations and found to be uniform and stable. The variety will be commercially propagated from cuttings. Breeder: Terence Dale, Landsborough, QLD.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|-------------------------|----------------|--|
| Leaf | variegation | present |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|-------------|-----------------|
| 'Sun Blush' | |

Varieties of Common Knowledge identified and subsequently excluded

| Variety | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments |
|-------------------|---------------------------------------|---|--|---|
| 'Variegated' leaf | variegation | present and stable | present but unstable | variegation is unstable reverted back to green foliage and no longer propagated |

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

| Organ/Plant Part: Context | ‘Mauve Maisie’ | ‘Sun Blush’ |
|---|---------------------------|---------------------------|
| <input checked="" type="checkbox"/> Plant: growth habit | bushy | upright |
| <input type="checkbox"/> Plant: density | medium | sparse to medium |
| <input checked="" type="checkbox"/> Stem: angle between stem and axillary branch | 50 – 60 degrees | 25 – 35 degrees |
| <input type="checkbox"/> Stem: length of internode at middle third | medium | medium |
| <input type="checkbox"/> Stem: colour of mature stem (RHS colour chart) | 199A | 199A |
| <input checked="" type="checkbox"/> Stem: colour of new growth (RHS colour chart) | 191B | 197A |
| <input type="checkbox"/> Leaf blade: length | medium | medium |
| <input checked="" type="checkbox"/> Leaf blade: width | medium | medium- narrow |
| <input type="checkbox"/> Leaf blade: ratio length/width | medium | medium |
| <input checked="" type="checkbox"/> Petiole: length | long | medium |
| <input type="checkbox"/> Leaf blade: shape | narrow elliptical | narrow elliptical |
| <input type="checkbox"/> Leaf blade: shape of apex | acuminate | acuminate |
| <input type="checkbox"/> Leaf blade : shape of base | acute | acute |
| <input type="checkbox"/> Leaf blade: glossiness | weak to very weak | weak |
| <input type="checkbox"/> Leaf blade: shape of cross section | strongly convex to convex | strongly convex to convex |
| <input type="checkbox"/> Leaf blade: shape of longitudinal section | flat to concave | concave |
| <input type="checkbox"/> Leaf blade: stiffness | medium | medium |
| <input type="checkbox"/> Leaf blade: prominence of midrib on lower surface | prominent | prominent |
| <input type="checkbox"/> Leaf blade: variegation | present | present |
| <input checked="" type="checkbox"/> Mature leaf: primary colour of upper side (RHS colour chart) | 147B | 146B |
| <input checked="" type="checkbox"/> Mature leaf: primary colour of lower side (RHS colour chart) | 148B | 138B |
| <input checked="" type="checkbox"/> Partly mature leaf: primary colour of upper side (RHS colour chart) | 147A | 146A |
| <input checked="" type="checkbox"/> Partly mature leaf: primary colour of lower side (RHS colour chart) | 146C | 147C |
| <input checked="" type="checkbox"/> Newly emerged leaf: primary colour of upper side (RHS colour chart) | 146A | 148A |
| <input checked="" type="checkbox"/> Mature leaf: secondary colour of upper side (RHS colour chart) | 160B | 158A |
| <input checked="" type="checkbox"/> Mature leaf: secondary colour of lower side (RHS colour chart) | 159C | 158B |
| <input checked="" type="checkbox"/> Partly mature leaf: secondary colour of upper side (RHS colour chart) | 37D - 51D | 162A |
| <input checked="" type="checkbox"/> Partly mature leaf: secondary colour of lower side (RHS colour chart) | 56A | 162C |
| <input checked="" type="checkbox"/> Newly emerged leaf: secondary colour of upper side (RHS colour chart) | 86C - 63C | 53A |
| <input checked="" type="checkbox"/> Petiole: colour (RHS colour chart) | 79B | 165A |

Statistical Table

| Organ/Plant Part: Context | 'Mauve Maisie' | 'Sun Blush' |
|---|-----------------------|--------------------|
| <input type="checkbox"/> Stem: length of internode at middle third (mm) | | |
| Mean | 15.80 | 12.90 |
| Std. Deviation | 3.46 | 4.95 |
| LSD/sig | 5.50 | ns |
| <input type="checkbox"/> Leaf blade: length (mm) | | |
| Mean | 45.70 | 41.30 |
| Std. Deviation | 5.33 | 6.27 |
| LSD/sig | 7.50 | ns |
| <input checked="" type="checkbox"/> Leaf blade : width (mm) | | |
| Mean | 17.00 | 13.40 |
| Std. Deviation | 4.14 | 1.27 |
| LSD/sig | 3.94 | P≤0.01 |
| <input checked="" type="checkbox"/> Petiole: length (mm) | | |
| Mean | 4.30 | 2.20 |
| Std. Deviation | 1.34 | 0.42 |
| LSD/sig | 1.28 | P≤0.01 |

Prior Applications and Sales

Nil.

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

Plant Varieties Journal - Search Result Details

Couchgrass (*Cynodon dactylon*)**Variety:** 'Grand Prix'**Synonym:** N/A**Application no:** 2005/291**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 24-Aug-2005**Accepted:** 26-Oct-2005**Granted:** N/A**Description published****in Plant** Volume 18, Issue 4**Varieties****Journal:****Title Holder:** David Nickson**Agent:** N/A**Telephone:** 0397879446**Fax:** N/A

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|--------------------------------|
| Application Number | 2005/291 |
| Variety Name | 'Grand Prix' |
| Genus Species | <i>Cynodon dactylon</i> |
| Common Name | Couchgrass |
| Synonym | Nil |
| Accepted Date | 26 Oct 2005 |
| Applicant | David Nickson, Frankston, VIC. |
| Agent | Nil |
| Qualified Person | Matthew Roche |

Details of Comparative Trial

| | |
|----------------------------|---|
| Location | Queensland Turf Research, Redlands Research Station, Cleveland, QLD (Latitude 27° 32' South, Longitude 153° 15' East, elevation 25 masl). |
| Descriptor | PBR General Descriptor |
| Period | 31 May 2005 - 16 Dec 2005 |
| Conditions | Individual propagules were grown in 40x40mm tubes from 8 Mar 2005. All varieties were planted on a 1m x 1m spacing in kransozem soil on 31 May 2005; plants not defoliated, weed control by pre-emergence oxadiazon 31 May 2005 and 10 Aug 2005, pest and disease control by cyfluthrin (armyworm) 7 Jun 2005, dimethoate (couch tip maggot) 17 Oct 2005, propiconazole (leaf spot) 17 Oct 2005, nutrition maintained by slow release starter fertiliser (18-10-9) 31 May 2005. |
| Trial Design | Thirty (30) plants per variety, five (5) plants per plot in six (6) randomised blocks. |
| Measurements | Four (4) Diameter of Spread measurements per plant (12 Jul 2005, 24 Jul 2005, 9 Aug 2005, 23 Aug 2005, 6 Sep 2005 and the final at 173 days on 20 Sep 2005). Two (2) Stolon Leaf, Internode and Colour measurements on spaced plants (15 Nov - 21 Nov 2005). Two (2) Shoot and Inflorescence measurements (14 Dec - 16 Dec 2005) on spaced plants. Inflorescence Density (0.01m ²) per plant (collected 19-23 Dec 2005). |
| RHS Chart - edition | 2001 |

Origin and Breeding

Controlled pollination followed by selection: 'Grand Prix' is a selection from a cross between 'Wintergreen' and 'Couch 5' (also designated C5). 'Couch 5' was a selection from an earlier series of crosses by the breeder between 'Wintergreen' and a number of *Cynodon dactylon* accessions, which were collected by the breeder from the Mornington Peninsula area of Victoria between 1986 and 1990. C5 was an experimental breeding line, and was not subsequently reserved as vegetative germplasm. Living material of C5 is no longer in existence. Following the crossing of 'Couch 5' and 'Wintergreen' in 1998, the resultant seed was germinated on moist blotting paper. Individual seedlings, a total of 150 in number, were planted into 150mm pots and these plants observed during 1998 and 1999. During the summer of 1999-2000, the majority of the seedling plants were culled on the basis of their shoot density, leaf texture, internode length, and colour. In the spring of 2000, the remaining 20 potted seedlings were planted individually into 4m² plots at the Evergreen Turf

farm at Pakenham (Victoria), and allowed to expand fully across these plots. The final selection of Seedling 12 (later designated DN12) in late 2002 was based on shoot density, leaf colour, turf quality, and reduced thatch accumulation as expressed in these plots. Propagation: the original plant has been multiplied through four (4) vegetative expansions prior to PBR application without showing any discernible off types. Breeder: David Nickson, Frankston, VIC.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|------------------|---------------------|---|
| Stolon | internode length | short to medium |
| Stolon | internode branching | medium to strong |
| Leaf blade | length | medium to long |
| Leaf blade | width | medium |
| Inflorescence | raceme length | short |
| Culm | length | short |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|---------------------|---|
| 'C1' | 'C1' is the closest Variety of Common Knowledge. Material planted was the truest to type available of this cultivar. Marketed as Legend TM . |
| 'Riley's Evergreen' | Marketed as Conquest TM . |
| 'Winter Gem' | |
| 'Hatfield' | |
| 'Wintergreen' | Samples obtained from breeder Peter McMaugh's 'Wintergreen' nursery block that has been planted for 7-8 years. This material is the truest to type available for this cultivar. |

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

| Organ/Plant Part: Context | 'Grand Prix' | 'C1' | 'Hatfield' | 'Riley's Evergreen' | 'Winter Gem' | 'Wintergreen' |
|--|---------------------|-------------|-------------------|----------------------------|---------------------|----------------------|
| <input type="checkbox"/> Plant: growth habit | creeping | creeping | creeping | creeping | creeping | creeping |
| <input type="checkbox"/> Plant: height | short | short | short | short | short | short |
| <input type="checkbox"/> Leaf: primary colour (RHS colour chart) | 137B | 137B | 137B | 137B | 137B | 137B |

Characteristics Additional to the Descriptor/TG

| Organ/Plant Part: Context | 'Grand Prix' | 'C1' | 'Hatfield' | 'Riley's Evergreen' | 'Winter Gem' | 'Wintergreen' |
|---|----------------------|----------------------|----------------------|----------------------------|----------------------|----------------------|
| <input checked="" type="checkbox"/> Inflorescence spikes: maximum number | 4 | 5 | 5 | 5 | 4 | 5 |
| <input checked="" type="checkbox"/> Inflorescence spikes: minimum number | 2 | 3 | 3 | 2 | 3 | 3 |
| <input checked="" type="checkbox"/> Stolon: exposed colour (RHS colour chart) | N199A | N199A | N199A | N199A | 148A | N199B |
| <input type="checkbox"/> Plant: longevity | perennial | perennial | perennial | perennial | perennial | perennial |
| <input type="checkbox"/> Plant: type | mat-forming | mat-forming | mat-forming | mat-forming | mat-forming | mat-forming |
| <input type="checkbox"/> Plant: proliferation | stolons and rhizomes | stolons and rhizomes | stolons and rhizomes | stolons and rhizomes | stolons and rhizomes | stolons and rhizomes |
| <input type="checkbox"/> Stolon: internode length | short to medium | short to medium | short to medium | short to medium | short to medium | short to medium |
| <input type="checkbox"/> Culm: length | short | short | short | short | short | short |
| <input checked="" type="checkbox"/> Leaf blade: length | short | short to medium | short | short | short to medium | short to medium |
| <input checked="" type="checkbox"/> Inflorescence : peduncle length | short to medium | short | short | short | short to medium | short to medium |
| <input type="checkbox"/> Stolon: compound nodes | with = 3 leaves | with = 3 leaves | with = 3 leaves |
| <input checked="" type="checkbox"/> Stolon: internode thickness | medium to | medium | medium | medium | medium | medium |

| | | | | | | | |
|--|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | thick | | | | | | |
| <input type="checkbox"/> Leaf blade: width | medium |
| <input type="checkbox"/> Leaf blade: shape | linear-triangular |
| <input type="checkbox"/> Ligule: type | hairs |
| <input type="checkbox"/> Ligule: hair placement | dense |
| <input type="checkbox"/> Inflorescence: shape | digitate |
| <input type="checkbox"/> Inflorescence: branching | spicate |
| <input type="checkbox"/> Inflorescence: raceme length | short |
| <input checked="" type="checkbox"/> Inflorescence: density | low | medium to high |
| <input type="checkbox"/> Ligule: size | short |

Statistical Table

| Organ/Plant Part: Context | 'Grand Prix' | 'C1' | 'Hatfield' | 'Riley's Evergreen' | 'Winter Gem' | 'Wintergreen' |
|--|--------------|--------|------------|---------------------|--------------|---------------|
| <input checked="" type="checkbox"/> Plant: diameter of spread after 173 days (mm) | | | | | | |
| Mean | 72.10 | 69.90 | 64.50 | 47.20 | 40.30 | 78.10 |
| Std. Deviation | 12.10 | 8.70 | 16.20 | 10.30 | 6.20 | 20.40 |
| LSD/sig | 16.5 | ns | ns | P≤0.01 | P≤0.01 | ns |
| <input checked="" type="checkbox"/> First stolon node: with a second lateral branch (mm) | | | | | | |
| Mean | 0.80 | 1.25 | 0.50 | 1.23 | 0.80 | 0.82 |
| Std. Deviation | 0.18 | 0.26 | 0.15 | 0.10 | 0.17 | 0.19 |
| LSD/sig | 0.29 | P≤0.01 | P≤0.01 | P≤0.01 | ns | ns |
| <input checked="" type="checkbox"/> First stolon node: with a third lateral branch (mm) | | | | | | |
| Mean | 1.08 | 2.02 | 1.02 | 2.18 | 0.98 | 1.28 |
| Std. Deviation | 0.10 | 0.32 | 0.10 | 0.32 | 0.04 | 0.21 |
| LSD/sig | 0.34 | P≤0.01 | ns | P≤0.01 | ns | ns |

| | | | | | | | |
|--|-------|--------|--------|--------|--------|--------|--|
| ☑ First stolon node: with a fourth lateral branch (mm) | | | | | | | |
| Mean | 1.65 | 3.23 | 1.22 | 3.33 | 1.38 | 1.95 | |
| Std. Deviation | 0.36 | 0.50 | 0.34 | 0.32 | 0.12 | 0.35 | |
| LSD/sig | 0.51 | P≤0.01 | ns | P≤0.01 | ns | ns | |
| ☑ First stolon node: with a fifth lateral branch (mm) | | | | | | | |
| Mean | 2.45 | 3.95 | 1.52 | 3.97 | 1.98 | 2.72 | |
| Std. Deviation | 0.45 | 0.48 | 0.36 | 0.44 | 0.26 | 0.43 | |
| LSD/sig | 0.54 | P≤0.01 | P≤0.01 | P≤0.01 | ns | ns | |
| ☑ First stolon node: with a sixth lateral branch (mm) | | | | | | | |
| Mean | 2.83 | 4.20 | 2.25 | 4.73 | 2.68 | 3.65 | |
| Std. Deviation | 0.22 | 0.48 | 0.37 | 0.45 | 0.17 | 0.75 | |
| LSD/sig | 0.73 | P≤0.01 | ns | P≤0.01 | ns | P≤0.01 | |
| ☑ Fourth internode: length (mm) | | | | | | | |
| Mean | 33.27 | 49.20 | 44.88 | 41.73 | 30.51 | 44.68 | |
| Std. Deviation | 1.88 | 4.04 | 2.66 | 1.67 | 1.36 | 2.88 | |
| LSD/sig | 4.30 | P≤0.01 | P≤0.01 | P≤0.01 | ns | P≤0.01 | |
| ☑ Fourth internode : diameter (mm) | | | | | | | |
| Mean | 1.75 | 1.59 | 1.52 | 1.28 | 1.36 | 1.41 | |
| Std. Deviation | 0.05 | 0.13 | 0.09 | 0.06 | 0.06 | 0.04 | |
| Lsd/sig | 0.12 | P≤0.01 | P≤0.01 | P≤0.01 | P≤0.01 | P≤0.01 | |
| ☑ Fourth internode: sheath length (mm) | | | | | | | |
| Mean | 9.16 | 10.26 | 10.74 | 7.30 | 7.40 | 9.84 | |
| Std. Deviation | 0.61 | 0.47 | 0.69 | 0.26 | 0.32 | 0.63 | |
| LSD/sig | 0.85 | P≤0.01 | P≤0.01 | P≤0.01 | P≤0.01 | ns | |
| ☑ Fourth internode: leaf length (mm) | | | | | | | |
| Mean | 3.03 | 7.97 | 6.39 | 4.91 | 3.28 | 8.00 | |
| Std. Deviation | 0.75 | 1.88 | 1.57 | 1.01 | 0.31 | 2.00 | |

| | | | | | | |
|--|-------|--------|--------|--------|--------|--------|
| LSD/sig | 1.64 | P≤0.01 | P≤0.01 | P≤0.01 | ns | P≤0.01 |
| <input checked="" type="checkbox"/> Fourth internode: leaf width (mm) | | | | | | |
| Mean | 1.46 | 2.31 | 1.85 | 1.77 | 1.35 | 2.02 |
| Std. Deviation | 0.20 | 0.26 | 0.21 | 0.13 | 0.10 | 0.21 |
| LSD/sig | 0.22 | P≤0.01 | P≤0.01 | P≤0.01 | ns | P≤0.01 |
| <input checked="" type="checkbox"/> Fourth internode: leaf length: width ratio | | | | | | |
| Mean | 1.89 | 3.31 | 3.34 | 2.66 | 2.37 | 3.80 |
| Std. Deviation | 0.19 | 0.53 | 0.46 | 0.36 | 0.24 | 0.72 |
| LSD/sig | 0.60 | P≤0.01 | P≤0.01 | P≤0.01 | P≤0.01 | P≤0.01 |
| <input checked="" type="checkbox"/> Flag leaf on flowering tillers: sheath length (mm) | | | | | | |
| Mean | 53.03 | 57.33 | 56.27 | 48.27 | 63.70 | 63.93 |
| Std. Deviation | 4.25 | 4.26 | 2.67 | 2.92 | 8.17 | 4.14 |
| LSD/sig | 7.55 | ns | ns | ns | P≤0.01 | P≤0.01 |
| <input checked="" type="checkbox"/> Flag leaf on flowering tillers: leaf length (mm) | | | | | | |
| Mean | 19.24 | 14.76 | 16.52 | 11.52 | 11.86 | 18.16 |
| Std. Deviation | 4.87 | 1.54 | 3.02 | 1.49 | 3.60 | 4.08 |
| LSD/sig | 5.30 | ns | ns | P≤0.01 | P≤0.01 | ns |
| <input checked="" type="checkbox"/> Flag leaf on flowering tillers: leaf width (mm) | | | | | | |
| Mean | 2.01 | 1.59 | 1.55 | 1.27 | 1.24 | 1.55 |
| Std. Deviation | 0.61 | 0.13 | 0.09 | 0.07 | 0.13 | 0.16 |
| LSD/sig | 0.41 | P≤0.01 | P≤0.01 | P≤0.01 | P≤0.01 | P≤0.01 |
| <input checked="" type="checkbox"/> Flag leaf on flowering tillers: leaf length: width ratio | | | | | | |
| Mean | 10.33 | 9.20 | 10.52 | 8.75 | 8.97 | 11.35 |
| Std. Deviation | 2.09 | 1.12 | 0.09 | 0.93 | 1.87 | 2.02 |
| LSD/sig | 2.80 | ns | P≤0.01 | ns | ns | ns |
| <input type="checkbox"/> Fourth leaf on flowering tillers: sheath length (mm) | | | | | | |
| Mean | 15.42 | 16.00 | 16.94 | 14.67 | 16.27 | 17.93 |

| | | | | | | |
|---|-------|--------|-------|--------|--------|--------|
| Std. Deviation | 1.88 | 1.05 | 1.16 | 1.05 | 3.12 | 1.16 |
| LSD/sig | 2.89 | ns | ns | ns | ns | ns |
| Means Separation | | | | | | |
| <input type="checkbox"/> Fourth leaf on flowering tillers: leaf length (mm) | | | | | | |
| Mean | 34.41 | 26.97 | 33.77 | 29.26 | 29.93 | 40.34 |
| Std. Deviation | 3.93 | 3.82 | 3.25 | 5.11 | 5.92 | 7.93 |
| Lsd/sig | 8.74 | ns | ns | ns | ns | ns |
| <input checked="" type="checkbox"/> Fourth leaf on flowering tillers: leaf width (mm) | | | | | | |
| Mean | 2.61 | 2.53 | 2.50 | 2.17 | 2.22 | 2.60 |
| Std. Deviation | 0.14 | 0.17 | 0.07 | 0.12 | 0.14 | 0.12 |
| LSD/sig | 0.19 | ns | ns | P≤0.01 | P≤0.01 | ns |
| <input type="checkbox"/> Fourth leaf on flowering tillers: leaf length: width ratio | | | | | | |
| Mean | 13.26 | 10.76 | 13.56 | 13.53 | 11.17 | 15.47 |
| Std. Deviation | 1.35 | 1.75 | 1.32 | 2.11 | 2.23 | 2.56 |
| Lsd/sig | 3.35 | ns | ns | ns | ns | ns |
| Means Separation | | | | | | |
| <input checked="" type="checkbox"/> Peduncle on flowering tillers: length | | | | | | |
| Mean | 69.29 | 79.83 | 78.92 | 84.42 | 106.94 | 104.49 |
| Std. Deviation | 5.90 | 8.24 | 4.85 | 8.94 | 16.43 | 5.85 |
| LSD/sig | 14.17 | ns | ns | ns | P≤0.01 | P≤0.01 |
| <input checked="" type="checkbox"/> Peduncle on flowering tillers: diameter (mm) | | | | | | |
| Mean | 0.53 | 0.59 | 0.55 | 0.50 | 0.48 | 0.63 |
| Std. Deviation | 0.04 | 0.03 | 0.44 | 0.04 | 0.03 | 0.05 |
| P≤0.01Lsd/sig | 0.05 | P≤0.01 | ns | ns | P≤0.01 | P≤0.01 |
| <input checked="" type="checkbox"/> Inflorescence spikes: mean length (mm) | | | | | | |
| Mean | 34.15 | 41.22 | 44.14 | 32.02 | 42.27 | 44.45 |
| Std. Deviation | 2.32 | 2.63 | 1.81 | 2.18 | 6.00 | 1.54 |

| | | | | | | |
|--|-------|--------|--------|--------|--------|--------|
| LSD/sig | 5.13 | P≤0.01 | P≤0.01 | ns | P≤0.01 | P≤0.01 |
| <input checked="" type="checkbox"/> Inflorescence spikes: number per inflorescence | | | | | | |
| Mean | 3.45 | 3.88 | 4.07 | 3.17 | 3.72 | 4.00 |
| Std. Deviation | 0.00 | 0.41 | 0.55 | 0.82 | 0.00 | 0.41 |
| LSD/sig | 0.34 | P≤0.01 | P≤0.01 | ns | ns | P≤0.01 |
| <input checked="" type="checkbox"/> Inflorescence density: number per 0.01m ² | | | | | | |
| Mean | 16.08 | 109.47 | 112.5 | 118.87 | 111.93 | 94.87 |
| Std. Deviation | 7.45 | 19.87 | 57.16 | 69.88 | 46.66 | 26.34 |
| LSD/sig | 77.32 | P≤0.01 | P≤0.01 | P≤0.01 | P≤0.01 | P≤0.01 |

Prior Applications and Sales

Nil.

Description: **M.B.Roche & D.S.Loeh**, Queensland Turf Research, Cleveland, QLD.

Plant Varieties Journal - Search Result Details

Couchgrass (*Cynodon dactylon*)**Variety:** 'Winter Gem'**Synonym:** N/A**Application no:** 2005/290**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 24-Aug-2005**Accepted:** 26-Oct-2005**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Title Holder:** David Nickson**Agent:** N/A**Telephone:** 0397879446**Fax:** N/A

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|--------------------------------|
| Application Number | 2005/290 |
| Variety Name | 'Winter Gem' |
| Genus Species | <i>Cynodon dactylon</i> |
| Common Name | Couchgrass |
| Synonym | Nil |
| Accepted Date | 26 Oct 2005 |
| Applicant | David Nickson, Frankston, VIC. |
| Agent | Nil |
| Qualified Person | Matthew Roche |

Details of Comparative Trial

| | |
|----------------------------|--|
| Location | Queensland Turf Research, Redlands Research Station, Cleveland, QLD (Latitude 27° 32' South, Longitude 153° 15' East, elevation 25 masl). |
| Descriptor | General descriptor |
| Period | 10 Jun 2004 – 15 Dec 2004 |
| Conditions | 5cm cores planted on a 1.5 m x 1.5 m spacing in kransozem soil on 10 Jun 2004; plants not defoliated; weed control by pre-emergence oxadiazon 10 Jun 2004, pest control by abamectin (red spider mite) 17 Aug 2004, nutrition maintained by slow release starter fertiliser (18-10-9) 22 Jun 2004. |
| Trial Design | Thirty (30) plants per variety, five (5) plants per plot in six (6) randomised blocks |
| Measurements | Four (4) Diameter of spread measurements per plant (10 Aug 2004, 24 Aug 2004, 7 Sep 2004, 21 Sep 2004, 5 Oct 2004, 19 Oct 2004 and the final at 145 days on 2 Nov 2004). Two (2) Stolon Leaf, Internode and Colour measurements on spaced plants (1 Dec - 2 Dec 2004). Two (2) Shoot and Inflorescence measurements (13 Dec - 15 Dec 2004) on spaced plants. |
| RHS Chart - edition | All RHS colour chart numbers refer to 2001 edition |

Origin and Breeding

Controlled pollination followed by selection: 'Winter Gem' is a selection from a cross between 'Wintergreen' and Couch 5 (also designated C5). Couch 5 was a selection from an earlier series of crosses by the breeder between 'Wintergreen' and a number of *Cynodon dactylon* accessions, which were collected by the breeder from the Mornington Peninsula area of Victoria between 1986 and 1990. C5 was an experimental breeding line, and was not subsequently reserved as vegetative germplasm. Living material of C5 is no longer in existence. Following the crossing of Couch 5 and 'Wintergreen' in 1998, the resultant seed was germinated on moist blotting paper. Individual seedlings, a total of 150 in number, were planted into 150mm pots and these plants observed during 1998 and 1999. During the summer of 1999-2000, the majority of the seedling plants were culled on the basis of their shoot density, leaf texture, internode length, and colour. In the spring of 2000, the remaining 20 potted seedlings were planted individually into 4m² plots at the Evergreen Turf farm at Pakenham (Victoria), and allowed to expand fully across these plots. The final selection of Seedling 9 (later designated DN9) in late 2002 was based on shoot density, leaf texture, and retention of winter colour as expressed in these plots. Propagation: The original plant had been multiplied through four (4) vegetative expansions prior to PBR application without showing any discernible off types. Breeder: David Nickson, Frankston, VIC.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|------------------|---------------------|---|
| Stolon | internode length | short to medium |
| Stolon | internode branching | medium to strong |
| Leaf blade | length | medium to long |
| Leaf blade | width | medium |
| Inflorescence | raceme length | short |
| Culm | length | short |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|-----------------|---|
| ‘Wintergreen’ | Samples obtained from breeder Peter McMaugh’s ‘Wintergreen’ nursery block that has been planted for 7-8 years. This material is the truest to type available for this cultivar. |
| ‘Windsor Green’ | ‘Windsor Green’ is the closest Variety of Common Knowledge. |

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

| Organ/Plant Part: Context | ‘Winter Gem’ | ‘Windsor Green’ | ‘Wintergreen’ |
|--|--------------|-----------------|---------------|
| <input type="checkbox"/> Plant: growth habit | creeping | creeping | creeping |
| <input type="checkbox"/> Plant: height | short | short | short |
| <input type="checkbox"/> Leaf: primary colour (RHS colour chart) | 137B | 137B | 137B |

Characteristics Additional to the Descriptor/TG

| Organ/Plant Part: Context | ‘Winter Gem’ | ‘Windsor Green’ | ‘Wintergreen’ |
|---|----------------------|----------------------|----------------------|
| <input checked="" type="checkbox"/> Inflorescence spikes: maximum number | 4 | 4 | 5 |
| <input checked="" type="checkbox"/> Inflorescence spikes: minimum number | 2 | 2 | 3 |
| <input checked="" type="checkbox"/> Stolon: Exposed colour (RHS colour chart) | 146B | N199A | 200C |
| <input type="checkbox"/> Plant: longevity | perennial | perennial | perennial |
| <input type="checkbox"/> Plant: type | mat-forming | mat-forming | mat-forming |
| <input type="checkbox"/> Plant: proliferation | stolons and rhizomes | stolons and rhizomes | stolons and rhizomes |
| <input type="checkbox"/> Stolon: internode length | short | short | short to medium |
| <input type="checkbox"/> Leaf blade: length | medium | medium | medium to long |
| <input type="checkbox"/> Inflorescence : peduncle length | short | short | short to medium |
| <input type="checkbox"/> Stolon: compound nodes | with ≤ 3 leaves | with ≤ 3 leaves | with ≤ 3 leaves |
| <input type="checkbox"/> Stolon: internode thickness | medium | medium | medium |
| <input type="checkbox"/> Leaf blade: width | medium | medium | medium |
| <input type="checkbox"/> Leaf blade: shape | linear-triangular | linear-triangular | linear-triangular |
| <input type="checkbox"/> Ligule: type | hairs | hairs | hairs |
| <input type="checkbox"/> Ligule: hair placement | dense | dense | dense |

| | | | | |
|--------------------------|------------------------------|----------|----------|----------|
| <input type="checkbox"/> | Inflorescence: shape | digitate | digitate | digitate |
| <input type="checkbox"/> | Inflorescence: branching | spicate | spicate | spicate |
| <input type="checkbox"/> | Inflorescence: raceme length | short | short | short |
| <input type="checkbox"/> | Ligule: size | short | short | short |

Statistical Table

Organ/Plant Part: Context **'Winter Gem'** **'Windsor Green'** **'Wintergreen'**

| | | | | |
|-------------------------------------|--|--------|--------|--------|
| <input type="checkbox"/> | Fourth internode: diameter (mm) | | | |
| | Mean | 1.40 | 1.47 | 1.43 |
| | Std. Deviation | 0.12 | 0.15 | 0.13 |
| | LSD/sig | 0.10 | ns | ns |
| <input checked="" type="checkbox"/> | Fourth internode: leaf length (mm) | | | |
| | Mean | 3.14 | 4.01 | 8.09 |
| | Std. Deviation | 1.25 | 1.92 | 3.09 |
| | LSD/sig | 1.67 | ns | P≤0.01 |
| <input checked="" type="checkbox"/> | Fourth internode: leaf width (mm) | | | |
| | Mean | 1.45 | 1.62 | 2.23 |
| | Std. Deviation | 0.36 | 0.39 | 0.36 |
| | LSD/sig | 0.28 | ns | P≤0.01 |
| <input type="checkbox"/> | Flag leaf on flowering tillers: leaf width (mm) | | | |
| | Mean | 1.44 | 1.63 | 1.36 |
| | Std. Deviation | 0.31 | 0.27 | 0.31 |
| | LSD/sig | 0.24 | ns | ns |
| <input type="checkbox"/> | Fourth leaf on flowering tillers: leaf length (mm) | | | |
| | Mean | 31.52 | 34.46 | 31.16 |
| | Std. Deviation | 10.69 | 9.29 | 9.88 |
| | LSD/sig | 8.62 | ns | ns |
| <input type="checkbox"/> | Fourth leaf on flowering tillers: leaf width (mm) | | | |
| | Mean | 2.15 | 2.30 | 2.39 |
| | Std. Deviation | 0.28 | 0.28 | 0.34 |
| | LSD/sig | 0.27 | ns | ns |
| <input checked="" type="checkbox"/> | Plant: diameter of spread after 145 days (mm) | | | |
| | Mean | 67.60 | 79.70 | 118.30 |
| | Std. Deviation | 21.60 | 26.60 | 46.50 |
| | LSD/sig | 43.5 | ns | P≤0.01 |
| <input checked="" type="checkbox"/> | Fourth internode: length (mm) | | | |
| | Mean | 30.06 | 37.59 | 52.74 |
| | Std. Deviation | 4.76 | 8.54 | 10.69 |
| | LSD/sig | 7.77 | ns | P≤0.01 |
| <input type="checkbox"/> | Peduncle on flowering tillers: length (mm) | | | |
| | Mean | 105.76 | 103.28 | 84.64 |
| | Std. Deviation | 16.32 | 16.70 | 20.22 |
| | LSD/sig | 44.49 | ns | ns |
| <input checked="" type="checkbox"/> | Peduncle on flowering tillers: diameter (mm) | | | |
| | Mean | 0.49 | 0.50 | 0.52 |

| | | | |
|--|-------|--------|--------|
| Std. Deviation | 0.07 | 0.08 | 0.10 |
| LSD/sig | 0.02 | ns | P≤0.01 |
| <input type="checkbox"/> Inflorescence spikes: mean length (mm) | | | |
| Mean | 39.45 | 37.08 | 39.17 |
| Std. Deviation | 5.54 | 4.54 | 6.82 |
| LSD/sig | 3.21 | ns | ns |
| <input checked="" type="checkbox"/> Fourth internode: sheath length (mm) | | | |
| Mean | 8.13 | 8.97 | 10.44 |
| Std. Deviation | 1.28 | 1.56 | 1.31 |
| LSD/sig | 1.58 | ns | P≤0.01 |
| <input type="checkbox"/> Fourth leaf on flowering tillers: sheath length (mm) | | | |
| Mean | 14.09 | 14.75 | 14.27 |
| Std. Deviation | 3.14 | 2.36 | 3.52 |
| LSD/sig | 1.87 | ns | ns |
| <input type="checkbox"/> Flag leaf on flowering tillers: leaf length (mm) | | | |
| Mean | 16.46 | 21.90 | 11.97 |
| Std. Deviation | 7.69 | 9.42 | 7.03 |
| LSD/sig | 6.12 | ns | ns |
| <input checked="" type="checkbox"/> Flag leaf on flowering tillers: sheath length (mm) | | | |
| Mean | 57.31 | 50.65 | 53.43 |
| Std. Deviation | 8.21 | 6.36 | 8.48 |
| LSD/sig | 5.97 | P≤0.01 | ns |
| <input type="checkbox"/> First stolon node: with a second lateral branch (mm) | | | |
| Mean | 0.83 | 1.00 | 0.87 |
| Std. Deviation | 0.38 | 0.26 | 0.50 |
| LSD/sig | 0.45 | ns | ns |
| <input checked="" type="checkbox"/> First stolon node: with a third lateral branch (mm) | | | |
| Mean | 1.02 | 1.50 | 1.58 |
| Std. Deviation | 0.22 | 0.62 | 0.72 |
| LSD/sig | 0.47 | P≤0.01 | P≤0.01 |
| <input checked="" type="checkbox"/> First stolon node: with a fourth lateral branch (mm) | | | |
| Mean | 1.40 | 2.60 | 2.35 |
| Std. Deviation | 0.72 | 0.96 | 1.13 |
| LSD/sig | 0.85 | P≤0.01 | P≤0.01 |
| <input checked="" type="checkbox"/> First stolon node: with a fifth lateral branch (mm) | | | |
| Mean | 2.18 | 3.48 | 3.20 |
| Std. Deviation | 0.77 | 0.93 | 1.34 |
| LSD/sig | 1.02 | P≤0.01 | P≤0.01 |
| <input checked="" type="checkbox"/> First stolon node : with a sixth lateral branch (mm) | | | |
| Mean | 2.52 | 3.75 | 3.95 |
| Std. Deviation | 0.95 | 0.91 | 1.24 |
| LSD/sig | 0.80 | P≤0.01 | P≤0.01 |
| <input checked="" type="checkbox"/> Fourth internode: leaf length: width ratio | | | |
| Mean | 2.17 | 2.44 | 3.55 |
| Std. Deviation | 0.63 | 1.08 | 0.97 |
| LSD/sig | 0.65 | ns | P≤0.01 |

| | | | | |
|-------------------------------------|--|-------|-------|--------|
| <input type="checkbox"/> | Flag leaf on flowering tillers: leaf length: width ratio | | | |
| | Mean | 11.09 | 13.07 | 8.31 |
| | Std. Deviation | 3.89 | 4.13 | 3.74 |
| | LSD/sig | 2.92 | ns | ns |
| <input type="checkbox"/> | Fourth leaf on flowering tillers: leaf length: width ratio | | | |
| | Mean | 14.66 | 15.34 | 13.42 |
| | Std. Deviation | 4.92 | 4.95 | 5.38 |
| | LSD/sig | 4.56 | ns | ns |
| <input checked="" type="checkbox"/> | Inflorescence spikes: number per inflorescence | | | |
| | Mean | 3.35 | 3.18 | 4.25 |
| | Std. Deviation | 0.66 | 0.62 | 0.51 |
| | LSD/sig | 0.38 | ns | P≤0.01 |

Prior Applications and Sales

Nil.

Description: **M.B.Roche & D.S.Loch**, Queensland Turf Research, Cleveland, QLD.

Plant Varieties Journal - Search Result Details

Perennial Wallflower (*Erysimum asperum*)**Variety:** 'Walfrasan'**Synonym:** N/A**Application no:** 2004/276**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 23-Sep-2004**Accepted:** 10-Nov-2004**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Title Holder:** David R Tristram**Agent:** Ball Australia Pty Ltd**Telephone:** 0397985355**Fax:** 0397983733

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|---|
| Application Number | 2004/276 |
| Variety Name | 'Walfrasun' |
| Genus Species | <i>Erysimum asperum</i> |
| Common Name | Perennial Wallflower |
| Synonym | Nil |
| Accepted Date | 10 Nov 2004 |
| Applicant | David R Tristram, West Sussex, UK |
| Agent | Ball Australia Pty Ltd, Keysborough, VIC. |
| Qualified Person | David Nichols |

Details of Comparative Trial

| | |
|----------------------------|---|
| Overseas Testing | U.S. Plant Patent Office |
| Authority | |
| Overseas Data | PP 13,432 |
| Reference Number | |
| Location | Sussex, UK. |
| Descriptor | PBR General Descriptor |
| Period | 2.5 years date not known |
| Conditions | Plants for local examination were grown under heated glasshouse conditions at the property of Ball Australia at Keysborough , Victoria. |
| Trial Design | Completely randomised |
| Measurements | From all trial plants |
| RHS Chart - edition | 2001 |

Origin and Breeding

Open-pollination: 'Walfrasun' originated in a cultivated area of West Sussex, UK. In 1993 a few seeds were produced on an open pollinated plant of *Erysimum* 'Bredon'. The seeds were sown and one germinated producing a seedling that flowered in 1994. After observation 'Walfrasun' was selected as a new improved cultivar. Selection criteria: superior garden performance, flower colour, number of branches, flower size. Propagation: the variety has been propagated by stem cuttings through several generations to establish uniformity and stability. Breeder: David R Tristram, West Sussex, UK.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|-------------------------|--------------------------|--|
| Plant | vigour | medium-strong |
| Plant | size | medium |
| Leaf | presence of silver sheen | present |
| Leaf | serration | present |
| Flower | colour | yellow orange |
| Flower | fragrance | present |
| Flower buds | colour | greyed orange |
| Seed | viable or sterile | sterile |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|----------------|---|
| 'Bredon' | Parent plant now unavailable. Characteristic based on USA Patent PP 13,432 |
| 'Dawn Breaker' | Variety unavailable. Characteristics based on description in PVJ Vol 11 No. 4 |

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

| Organ/Plant Part: Context | 'Walfrasun' | 'Bredon' | 'Dawn Breaker' |
|--|-------------------------|-------------------------|-------------------------|
| <input type="checkbox"/> Plant: type | herbaceous perennial | herbaceous perennial | herbaceous perennial |
| <input type="checkbox"/> Plant: growth habit | bushy | bushy | bushy |
| <input type="checkbox"/> Plant: size | medium | medium | |
| <input type="checkbox"/> Plant: height | short to medium | | |
| <input type="checkbox"/> Plant: width | broad | | |
| <input type="checkbox"/> Stem: degree of hairiness | medium | | |
| <input type="checkbox"/> Stem: thorns, prickles, spines etc | absent | | |
| <input type="checkbox"/> Stem: presence of hairs | present | | |
| <input type="checkbox"/> Stem: presence of anthocyanin in new growth | absent | | |
| <input type="checkbox"/> Leaf: leaf type | simple | | |
| <input type="checkbox"/> Leaf: size | small | | |
| <input type="checkbox"/> Leaf: attitude | semi-erect | | |
| <input type="checkbox"/> Leaf: arrangement | alternate | | |
| <input type="checkbox"/> Leaf: length of blade | short | | |
| <input type="checkbox"/> Leaf: width of blade | narrow | | |
| <input checked="" type="checkbox"/> Leaf: shape | lanceolate | | spathulate |
| <input type="checkbox"/> Leaf: shape of apex | acute | | |
| <input type="checkbox"/> Leaf: shape of base | attenuate | | |
| <input type="checkbox"/> Leaf: undulation of the margin | very weak | | |
| <input type="checkbox"/> Leaf: shape of cross-section | flat | | |
| <input type="checkbox"/> Leaf: curvature of longitudinal axis | incurved | | |
| <input type="checkbox"/> Leaf: glossiness of upper side | weak | | |
| <input type="checkbox"/> Leaf: green colour | dark | | |
| <input type="checkbox"/> Leaf: presence of variegation | absent | | |
| <input type="checkbox"/> Leaf: primary colour (RHS colour chart) | 189A (2001) | | |
| <input type="checkbox"/> Leaf colour: number of colours | one | | |
| <input type="checkbox"/> Flower: type | single | | |
| <input type="checkbox"/> Flower: attitude | erect | | |
| <input type="checkbox"/> Flower: diameter | medium to large | | |

| | | | |
|--------------------------|--|---------------------|---------------------|
| <input type="checkbox"/> | Flower: fragrance | present | |
| <input type="checkbox"/> | Flower: pedicel length | short | |
| <input type="checkbox"/> | Flower: sepal overlapping | absent | |
| <input type="checkbox"/> | Petal: predominant colour of upper side (RHS colour chart) | 14A (2001) | |
| <input type="checkbox"/> | Petal: eye zone (basal spot upper side) | absent | |
| <input type="checkbox"/> | Petal: reflexing of margin | absent or very weak | |
| <input type="checkbox"/> | Petal: undulation | weak | absent or very weak |

Characteristics Additional to the Descriptor/TG

| Organ/Plant Part: Context | 'Walfrasan' | 'Bredon' | 'Dawn Breaker' |
|--|---------------------|-----------------|-----------------------|
| <input checked="" type="checkbox"/> Plant: vigour | strong | medium | |
| <input type="checkbox"/> Leaf: presence of serration | present | | present |
| <input checked="" type="checkbox"/> Leaf: degree of serration | very weak | | strong |
| <input type="checkbox"/> Leaf: presence of silver sheen | present | present | |
| <input checked="" type="checkbox"/> Leaf: degree of silver sheen | strong | medium | |
| <input type="checkbox"/> Corolla: overlapping of petals | absent or very weak | | medium |

Prior Applications and Sales

| Country | Year | Current Status | Name Applied |
|----------------|-------------|-----------------------|---------------------|
| Canada | 2002 | Withdrawn | 'Walfrasan' |
| EU | 2001 | Applied | 'Walfrasan' |
| USA | 2001 | Granted | 'Walfrasan' |

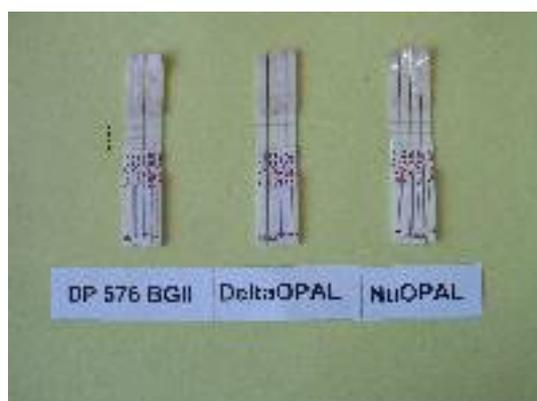
First sold in the USA in Dec 2001

Description: **David R Tristram**, West Sussex, UK.

Plant Varieties Journal - Search Result Details

Cotton (*Gossypium hirsutum*)**Variety:** 'DP 576 BGII'**Synonym:** N/A**Application no:** 2004/283**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 27-Sep-2004**Accepted:** 12-Nov-2004**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Varieties Journal:****Title Holder:** Deltapine Australia Pty Ltd**Agent:** N/A**Telephone:** 0267925233**Fax:** 0267925235

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|---|
| Application Number | 2004/283 |
| Variety Name | 'DP 576 BGII' |
| Genus Species | <i>Gossypium hirsutum</i> |
| Common Name | Cotton |
| Synonym | Nil |
| Accepted Date | 12 Nov 2004 |
| Applicant | Deltapine Australia Pty Ltd, Narrabri, NSW. |
| Agent | Nil |
| Qualified Person | Richard Leske |

Details of Comparative Trial

| | |
|----------------------------|---|
| Location | Locharba Research Centre, Narrabri, NSW, 2390 |
| Descriptor | Cotton - UPOV TG 88/6 |
| Period | Field trial grown during the 2004/2005 summer |
| Conditions | Field trial conditions: plants grown from seed, each variety grown in 1m row spacing x 12m plot length, commercial rates of fertiliser, herbicides and insecticides applied as required, trial fully irrigated. GMO Bio-assay conditions: leaf disc samples removed from small plants and ground in centrifuge tubes with an extraction buffer, test strips impregnated with antibodies added to detect the presence or absence of the Cry 1A(c) & Cry IIA Bt insect proteins |
| Trial Design | Randomised complete block with 10 replicates per variety. |
| Measurements | Field trial: morphological plant characteristics measured from 10 non-tipped plants per replicate, one measurement per plant. Fibre quality samples hand picked from a 1.5 metre section in each replicate and analysed by HVI instrument testing. GMO Bio-assay: leaf disc samples removed from 5 plants per replicate and tested for the presence or absence of the Cry 1A(c) & Cry IIA Bt insect proteins. |
| RHS Chart - edition | N/A |

Origin and Breeding

Controlled pollination: Seed parent 'DeltOPAL' crossed with pollen parent 'DP 50 BX' followed by 2 backcross cycles to the recurrent parent 'DeltaOPAL'. The seed parent is the non GM conventional recurrent parent variety and the pollen parent is used to introduce the transgenic Cry 1A(c) and Cry IIA insect tolerance genes. Hybridisation took place in Deltapine Australia greenhouse located at Locharba, Narrabri, NSW. Progeny row selection was conducted at Narrabri, NSW. The final selection was tested in replicated yield and fibre quality trials in 2003/2004. Selection criteria included monitoring for the incorporation of the transgenic insect tolerance trait, disease tolerance to bacterial blight and fusarium wilt, yield and fibre quality. Propagation: by seed. Breeders: Richard Leske and Gerard Lonergan, Deltapine Australia Pty. Ltd., Locharba, Narrabri, NSW.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|------------------|--------------------------|---|
| Leaf | shape | palmate |
| Plant | shape | cylindrical |
| Flower | petal colour | cream |
| Plant | bacterial blight disease | resistant |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|-------------|--|
| 'DeltaOPAL' | Conventional backcross recurrent parent |
| 'NuOPAL' | INGARD version of same variety |
| 'NuOPAL RR' | INGARD/RR version of the same variety |
| 'DP 50 BX' | DP 50 BX is used as a donor line for the Bt GMO traits. It was never released commercially |

Varieties of Common Knowledge identified and subsequently excluded

| Variety | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety |
|-------------|--------------------------------------|--|---|
| 'DP 50 BX' | plant bacterial blight disease | resistant | susceptible |
| 'NuOPAL RR' | plant glyphosate herbicide tolerance | absent | present |

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

| Organ/Plant Part: Context | 'DP 576 BGII' | 'DeltaOPAL' | 'NuOPAL' |
|---|-----------------------------|-----------------------------|-----------------------------|
| <input type="checkbox"/> *Flower: colour of petal | cream | cream | cream |
| <input type="checkbox"/> Flower: intensity of spot on petal | absent or very weak to weak | absent or very weak to weak | absent or very weak to weak |
| <input type="checkbox"/> *Flower: colour of pollen | cream | cream | cream |
| <input type="checkbox"/> Fruiting branch: length | medium to long | medium | medium |
| <input type="checkbox"/> *Plant: type of flowering | semi-clustered | semi-clustered | semi-clustered |
| <input type="checkbox"/> Fruiting branch: number of nodes | medium | medium | medium |
| <input type="checkbox"/> Fruiting branch: average internode length | medium to long | short to medium | medium |
| <input type="checkbox"/> Plant: number of nodes to the lowest fruiting branch | medium | medium to high | medium to high |
| <input type="checkbox"/> Leaf: intensity of green colour | medium | medium | medium |
| <input type="checkbox"/> *Leaf: shape | palmate | palmate | palmate |
| <input type="checkbox"/> Leaf: size | medium | medium | medium |
| <input type="checkbox"/> *Leaf: pubescence | absent or very weak to weak | absent or very weak to weak | absent or very weak to weak |
| <input type="checkbox"/> *Leaf: nectaries | present | present | present |
| <input type="checkbox"/> Bract: size | medium | medium | medium |
| <input type="checkbox"/> Boll: size | medium | medium | medium |
| <input type="checkbox"/> *Boll: shape in longitudinal section | elliptical | elliptical | elliptical |

| | | | | |
|--------------------------|---------------------------|------------------|-------------------|-------------------|
| <input type="checkbox"/> | *Boll: length of peduncle | medium | medium | medium |
| <input type="checkbox"/> | Boll: prominence of tip | weak | weak | weak |
| <input type="checkbox"/> | *Plant: shape | cylindrical | cylindrical | cylindrical |
| <input type="checkbox"/> | Plant: density of foliage | dense | medium to dense | medium to dense |
| <input type="checkbox"/> | *Plant: height | tall | tall to very tall | tall to very tall |
| <input type="checkbox"/> | *Boll: time of opening | late | late | late |
| <input type="checkbox"/> | Boll: degree of opening | medium to strong | medium to strong | medium to strong |
| <input type="checkbox"/> | *Seed: presence of fuzz | present | present | present |
| <input type="checkbox"/> | Boll: content of lint | medium | medium | medium |
| <input type="checkbox"/> | *Fibre: length | medium | medium | medium |
| <input type="checkbox"/> | Fibre: strength | medium | medium | medium |
| <input type="checkbox"/> | Fibre: elongation | medium | medium | medium |
| <input type="checkbox"/> | Fibre: length uniformity | medium | medium | medium |
| <input type="checkbox"/> | Fibre: colour | white | white | white |

Characteristics Additional to the Descriptor/TG

| Organ/Plant Part: Context | 'DP 576 BGII' | 'DeltaOPAL' | 'NuOPAL' |
|--|----------------------|--------------------|-----------------|
| <input type="checkbox"/> Plant: Bacterial Blight Resistance | resistant | resistant | resistant |
| <input type="checkbox"/> Plant: Tolerance to glyphosate herbicide | absent | absent | absent |
| <input checked="" type="checkbox"/> Plant: Expression of Cry1A(c) Bt protein | present | absent | present |
| <input checked="" type="checkbox"/> Plant: Expression of CryIIA Bt protein | present | absent | absent |

Prior Applications and Sales

Prior applications nil. First sold in Australia in Sep 2003.

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

Plant Varieties Journal - Search Result Details

Cotton (*Gossypium hirsutum*)**Variety:** 'DP 570 BGII'**Synonym:** N/A**Application no:** 2004/282**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 27-Sep-2004**Accepted:** 12-Nov-2004**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Varieties Journal:****Title Holder:** Deltapine Australia Pty Ltd**Agent:** N/A**Telephone:** 0267925233**Fax:** 0267925235

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|---|
| Application Number | 2004/282 |
| Variety Name | 'DP 570 BGII' |
| Genus Species | <i>Gossypium hirsutum</i> |
| Common Name | Cotton |
| Synonym | Nil |
| Accepted Date | 12 Nov 2004 |
| Applicant | Deltapine Australia Pty Ltd, Narrabri, NSW. |
| Agent | Nil |
| Qualified Person | Richard Leske |

Details of Comparative Trial

| | |
|----------------------------|--|
| Location | Locharba Research Centre, Narrabri, NSW, 2390 |
| Descriptor | Cotton - UPOV TG 88/6 |
| Period | Field trial grown during the 2004/2005 summer |
| Conditions | Field trial Conditions: plants grown from seed, each variety grown in 1m row spacing x 12m plot length, commercial rates of fertiliser, herbicides and insecticides applied as required, trial fully irrigated. GMO Bio-assay Conditions: leaf disc samples removed from small plants and ground in centrifuge tubes with an extraction buffer, test strips impregnated with antibodies added to detect the presence or absence of the Cry 1A(c) & Cry IIA Bt insect proteins. |
| Trial Design | Randomised complete block with 10 replicates per variety |
| Measurements | Field trial: morphological plant characteristics measured from 10 non-tipped plants per replicate, one measurement per plant. Fibre quality samples hand picked from a 1.5 metre section in each replicate and analysed by HVI instrument testing. GMO Bio-assay: leaf disc samples removed from 5 plants per replicate and tested for the presence or absence of the Cry 1A(c) & Cry IIA Bt insect proteins. |
| RHS Chart - edition | N/A |

Origin and Breeding

Controlled pollination: Seed parent 'DeltaEMERALD' crossed with pollen parent 'DP 50 BX' followed by 2 backcross cycles to the recurrent parent 'DeltaEMERALD'. The seed parent is the non GM conventional recurrent parent and the pollen parent is used to introduce the transgenic Cry 1A(c) and Cry IIA insect tolerance genes. Hybridisation took place in Deltapine Australia greenhouse located at Locharba, Narrabri, NSW. Progeny row selection was conducted at Narrabri, NSW. The final selection was tested in replicated yield and fibre quality trials in 2003/2004. Selection criteria included monitoring for the incorporation of the transgenic insect tolerance traits, disease tolerance to bacterial blight and fusarium wilt, yield and fibre quality. Propagation: by seed. Breeders: Richard Leske and Gerard Lonergan, Deltapine Australia Pty. Ltd., Locharba, Narrabri, NSW.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|------------------|--------------------------|---|
| Leaf | shape | palmate |
| Plant | shape | cylindrical |
| Flower | colour of petal | cream |
| Plant | bacterial blight disease | resistant |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|----------------|---|
| 'DeltaEMERALD' | Conventional backcross recurrent parent |
| 'NuEMERALD' | INGARD version of the same variety |
| 'DP 50 BX' | Bt gene donor variety |

Varieties of Common Knowledge identified and subsequently excluded

| Variety | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments |
|------------|--------------------------------|--|---|--|
| 'DP 50 BX' | Plant bacterial blight disease | resistant | susceptible | 'DP 50 BX' is used as a donor line for the BT GMO traits. It was never released commercially |

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

| Organ/Plant Part: Context | 'DP 570 BGII' | 'DeltaEMERALD' | 'NuEMERALD' |
|---|-----------------------------|-----------------------------|-----------------------------|
| <input type="checkbox"/> *Flower: colour of petal | cream | cream | cream |
| <input type="checkbox"/> Flower: intensity of spot on petal | absent or very weak to weak | absent or very weak to weak | absent or very weak to weak |
| <input type="checkbox"/> *Flower: colour of pollen | cream | cream | cream |
| <input type="checkbox"/> Fruiting branch: length | medium to long | medium | medium |
| <input type="checkbox"/> *Plant: type of flowering | semi-clustered | semi-clustered | semi-clustered |
| <input type="checkbox"/> Fruiting branch: number of nodes | medium | medium | medium |
| <input type="checkbox"/> Fruiting branch: average internode length | medium | medium | medium |
| <input type="checkbox"/> Plant: number of nodes to the lowest fruiting branch | medium to high | medium | medium |
| <input type="checkbox"/> Leaf: intensity of green colour | medium | medium | medium |
| <input type="checkbox"/> *Leaf: shape | palmate | palmate | palmate |
| <input type="checkbox"/> Leaf: size | medium | medium | medium |
| <input type="checkbox"/> *Leaf: pubescence | absent or very weak to weak | absent or very weak to weak | absent or very weak to weak |
| <input type="checkbox"/> *Leaf: nectaries | present | present | present |

| | | | | |
|--------------------------|--------------------------------------|------------------|------------------|------------------|
| <input type="checkbox"/> | Bract: size | medium | medium | medium |
| <input type="checkbox"/> | Boll: size | medium | medium | medium |
| <input type="checkbox"/> | *Boll: shape in longitudinal section | elliptical | elliptical | elliptical |
| <input type="checkbox"/> | *Boll: length of peduncle | medium | medium | medium |
| <input type="checkbox"/> | Boll: prominence of tip | weak | weak | weak |
| <input type="checkbox"/> | *Plant: shape | cylindrical | cylindrical | cylindrical |
| <input type="checkbox"/> | Plant: density of foliage | medium to dense | dense | dense |
| <input type="checkbox"/> | *Plant: height | tall | tall | tall |
| <input type="checkbox"/> | *Boll: time of opening | medium to late | late | late |
| <input type="checkbox"/> | Boll: degree of opening | medium to strong | medium to strong | medium to strong |
| <input type="checkbox"/> | *Seed: presence of fuzz | present | present | present |
| <input type="checkbox"/> | Seed: colour of fuzz | white | white | white |
| <input type="checkbox"/> | Boll: content of lint | medium | medium | medium |
| <input type="checkbox"/> | *Fibre: length | medium | medium | medium |
| <input type="checkbox"/> | Fibre: strength | medium | medium | medium |
| <input type="checkbox"/> | Fibre: elongation | medium | medium | medium |
| <input type="checkbox"/> | Fibre: length uniformity | medium | medium | medium |
| <input type="checkbox"/> | Fibre: colour | white | white | white |

Characteristics Additional to the Descriptor/TG

| Organ/Plant Part: Context | 'DP 570 BGII' | 'DeltaEMERALD' | 'NuEMERALD' |
|--|----------------------|-----------------------|--------------------|
| <input type="checkbox"/> Plant: Bacterial Blight Resistance | resistant | resistant | resistant |
| <input type="checkbox"/> Plant: Tolerance to glyphosate herbicide | absent | absent | absent |
| <input checked="" type="checkbox"/> Plant: Expression of Cry1A(c) Bt protein | present | absent | present |
| <input checked="" type="checkbox"/> Plant: Expression of CryIIA Bt protein | present | absent | absent |

Prior Applications and Sales

Prior applications nil. First sold in Australia in Sep 2003.

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

Plant Varieties Journal - Search Result Details

Cotton (*Gossypium hirsutum*)**Variety:** 'DP 579 BGII'**Synonym:** N/A**Application no:** 2004/284**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 27-Sep-2004**Accepted:** 12-Nov-2004**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Varieties Journal:****Title Holder:** Deltapine Australia Pty Ltd**Agent:** N/A**Telephone:** 0267925233**Fax:** 0267925235

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|---|
| Application Number | 2004/284 |
| Variety Name | 'DP 579 BGII' |
| Genus Species | <i>Gossypium hirsutum</i> |
| Common Name | Cotton |
| Synonym | Nil |
| Accepted Date | 12 Nov 2004 |
| Applicant | Deltapine Australia Pty Ltd, Narrabri, NSW. |
| Agent | Nil |
| Qualified Person | Richard Leske |

Details of Comparative Trial

| | |
|---------------------|--|
| Location | Locharba Research Centre, Narrabri, NSW, 2390 |
| Descriptor | Cotton - UPOV TG 88/6 |
| Period | Field trial grown during the 2004/2005 summer |
| Conditions | Field trial conditions: plants grown from seed, each variety grown in 1m row spacing x 12m plot length, commercial rates of fertiliser, herbicides and insecticides applied as required, trial fully irrigated. GMO Bio-assay conditions: leaf disc samples removed from small plants and ground in centrifuge tubes with an extraction buffer, test strips impregnated with antibodies added to detect the presence or absence of the Cry 1A(c) & Cry IIA Bt insect proteins. |
| Trial Design | Randomised complete block with 10 replicates per variety |
| Measurements | Field trial: morphological plant characteristics measured from 10 non-tipped plants per replicate, one measurement per plant. Fibre quality samples hand picked from a 1.5 metre section in each replicate and analysed by HVI instrument testing. GMO Bio-assay: leaf disc samples removed from 5 plants per replicate and tested for the presence or absence of the Cry 1A(c) & Cry IIA Bt insect proteins. |

RHS Chart - edition N/A

Origin and Breeding

Controlled pollination: Seed parent 'DeltaPEARL' crossed with pollen parent 'DP 50 BX' followed by 2 backcross cycles to the recurrent parent 'DeltaPEARL'. The seed parent is the non GM conventional recurrent parent variety and the pollen parent is used to introduce the transgenic Cry 1A(c) and Cry IIA insect tolerance genes. Hybridisation took place in Deltapine Australia greenhouse located at Locharba, Narrabri, NSW. Progeny row selection was conducted at Narrabri, NSW. The final selection was tested in replicated yield and fibre quality trials in 2003/2004. Selection criteria included monitoring for the incorporation of the transgenic insect tolerance trait, disease tolerance to bacterial blight and fusarium wilt, yield and fibre quality. Propagation: by seed. Breeders: Richard Leske and Gerard Lonergan, Deltapine Australia Pty. Ltd., Locharba, Narrabri, NSW.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|------------------|--------------------------|---|
| Leaf | shape | palmate |
| Plant | shape | cylindrical |
| Flower | petal colour | cream |
| Plant | bacterial blight disease | resistant |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|--------------|---|
| 'DeltaPEARL' | Conventional backcross recurrent parent |
| 'NuPEARL' | INGARD version of same variety |
| 'NuPEARL RR' | INGARD/RR version of the same variety |
| 'DP 50 BX' | Selection used as the donor lined for the Bt GMO traits. Never released commercially |

Varieties of Common Knowledge identified and subsequently excluded

| Variety | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety |
|--------------------|--------------------------------|--|---|
| 'NuPEARL RR' plant | glyphosate herbicide tolerance | absent | present |
| 'DP 50 BX' plant | bacterial blight disease | resistant | susceptible |

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

| Organ/Plant Part: Context | 'DP 579 BGII' | 'DeltaPEARL' | 'NuPEARL' |
|---|-----------------------------|-----------------------------|-----------------------------|
| <input type="checkbox"/> *Flower: colour of petal | cream | cream | cream |
| <input type="checkbox"/> Flower: intensity of spot on petal | absent or very weak to weak | absent or very weak to weak | absent or very weak to weak |
| <input type="checkbox"/> *Flower: colour of pollen | cream | cream | cream |
| <input type="checkbox"/> Fruiting branch: length | medium to long | medium | medium |
| <input type="checkbox"/> *Plant: type of flowering | semi-clustered | semi-clustered | semi-clustered |
| <input type="checkbox"/> Fruiting branch: number of nodes | medium | medium | medium |
| <input type="checkbox"/> Fruiting branch: average internode length | medium to long | medium | medium |
| <input type="checkbox"/> Plant: number of nodes to the lowest fruiting branch | medium | medium | medium |
| <input type="checkbox"/> Leaf: intensity of green colour | medium | medium | medium |
| <input type="checkbox"/> *Leaf: shape | palmate | palmate | palmate |
| <input type="checkbox"/> Leaf: size | medium to large | medium | medium |
| <input type="checkbox"/> *Leaf: pubescence | absent or very weak to weak | absent or very weak to weak | absent or very weak to weak |
| <input type="checkbox"/> *Leaf: nectaries | present | present | present |
| <input type="checkbox"/> Bract: size | medium to large | medium | medium |
| <input type="checkbox"/> Boll: size | medium | medium | medium |

| | | | | |
|--------------------------|--------------------------------------|----------------|-------------|----------------|
| <input type="checkbox"/> | *Boll: shape in longitudinal section | elliptical | elliptical | elliptical |
| <input type="checkbox"/> | *Boll: length of peduncle | medium to long | medium | medium to long |
| <input type="checkbox"/> | Boll: prominence of tip | weak | weak | weak |
| <input type="checkbox"/> | *Plant: shape | cylindrical | cylindrical | cylindrical |
| <input type="checkbox"/> | Plant: density of foliage | dense | dense | dense |
| <input type="checkbox"/> | *Plant: height | tall | tall | tall |
| <input type="checkbox"/> | *Boll: time of opening | late | late | late |
| <input type="checkbox"/> | Boll: degree of opening | strong | strong | strong |
| <input type="checkbox"/> | *Seed: presence of fuzz | present | present | present |
| <input type="checkbox"/> | Boll: content of lint | medium | medium | medium to high |
| <input type="checkbox"/> | *Fibre: length | medium | medium | medium |
| <input type="checkbox"/> | Fibre: strength | medium | medium | medium |
| <input type="checkbox"/> | Fibre: elongation | medium | medium | medium |
| <input type="checkbox"/> | Fibre: length uniformity | medium | medium | medium |
| <input type="checkbox"/> | Fibre: colour | white | white | white |

Characteristics Additional to the Descriptor/TG

| Organ/Plant Part: Context | ‘DP 579 BGII’ | ‘DeltaPEARL’ | ‘NuPEARL’ |
|--|----------------------|---------------------|------------------|
| <input type="checkbox"/> Plant: Bacterial Blight Resistance | resistant | resistant | resistant |
| <input type="checkbox"/> Plant: Tolerance to glyphosate herbicide | absent | absent | absent |
| <input checked="" type="checkbox"/> Plant: Expression of Cry1A(c) Bt protein | present | absent | present |
| <input checked="" type="checkbox"/> Plant: Expression of CryIIA Bt protein | present | absent | absent |

Prior Applications and Sales

Prior applications nil. First sold in Australia in Sep 2003.

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

Plant Varieties Journal - Search Result Details

Cotton (*Gossypium hirsutum*)**Variety:** 'DP 502 RR'**Synonym:** N/A**Application no:** 2004/278**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 27-Sep-2004**Accepted:** 12-Nov-2004**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Varieties Journal:****Title Holder:** Deltapine Australia Pty Ltd**Agent:** N/A**Telephone:** 0267925233**Fax:** 0267925235

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|---|
| Application Number | 2004/278 |
| Variety Name | 'DP 502 RR' |
| Genus Species | <i>Gossypium hirsutum</i> |
| Common Name | Cotton |
| Synonym | Nil |
| Accepted Date | 12 Nov 2004 |
| Applicant | Deltapine Australia Pty Ltd, Narrabri, NSW. |
| Agent | Nil |
| Qualified Person | Richard Leske |

Details of Comparative Trial

| | |
|---------------------|--|
| Location | Locharba Research Centre, Narrabri, NSW, 2390 |
| Descriptor | Cotton - UPOV TG 88/6 |
| Period | Field trial grown during the 2004/2005 summer |
| Conditions | Field trial conditions: plants grown from seed, each variety grown in 1m row spacing x 12m plot length, commercial rates of fertiliser, herbicides and insecticides applied as required, trial fully irrigated. GMO Bio-assay conditions: leaf disc samples removed from small plants and ground in centrifuge tubes with an extraction buffer, test strips impregnated with antibodies added to detect the presence or absence of the RR herbicide protein. |
| Trial Design | Randomised complete block with 10 replicates per variety. |
| Measurements | Field trial: morphological plant characteristics measured from 10 non-tipped plants per replicate, one measurement per plant. Fibre quality samples hand picked from a 1.5 metre section in each replicate and analysed by HVI instrument testing. GMO Bio-assay: leaf disc samples removed from 5 plants per replicate and tested for the presence or absence of the RR herbicide protein. |

RHS Chart - edition N/A

Origin and Breeding

Controlled pollination: F₁ seed parent 'DeltaSAPPHIRE' x crossed with pollen parent 'DP 5690 RRi' followed by 2 backcross cycles to the recurrent parent 'DeltaSAPPHIRE'. The seed parent is the non GM conventional recurrent parent variety and the pollen parent is used to introduce the transgenic Roundup Ready (RR) glyphosate herbicide tolerance gene. Hybridisation took place in Deltapine Australia greenhouse located at Locharba, Narrabri, NSW. Progeny row selection was conducted at Narrabri, NSW. The final selection was tested in replicated yield and fibre quality trials in 2003/2004. Selection criteria included monitoring for the incorporation of the Roundup Ready transgenic trait, disease tolerance to bacterial blight and fusarium wilt, yield and fibre quality. Propagation: by seed. Breeders: Richard Leske and Gerard Lonergan, Deltapine Australia Pty. Ltd., Locharba, Narrabri, NSW.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|------------------|--------------------------|---|
| Leaf | shape | palmate |
| Plant | shape | cylindrical |
| Plant | bacterial blight disease | tolerance |
| Flower | colour of petal | cream |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|-----------------|---|
| 'DeltaSAPPHIRE' | Conventional backcross recurrent parent |
| 'NuPEARL RR' | (DP 555 BG/RR) RR Donor variety |
| 'NuSAPPHIRE' | INGARD version of the same variety |

Varieties of Common Knowledge identified and subsequently excluded

| Variety | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety |
|--------------|---|--|---|
| 'NuPEARL RR' | Plant expression of cry 1a(c) protein | Bt absent | present |
| 'NuSAPPHIRE' | Plant expression of cry 1a(c) insecticide protein | Bt absent | present |

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

| Organ/Plant Part: Context | 'DP 502 RR' | 'DeltaSAPPHIRE' |
|---|-----------------------------|-----------------------------|
| <input type="checkbox"/> *Flower: colour of petal | cream | cream |
| <input type="checkbox"/> Flower: intensity of spot on petal | absent or very weak to weak | absent or very weak to weak |
| <input type="checkbox"/> *Flower: colour of pollen | cream | cream |
| <input type="checkbox"/> Fruiting branch: length | medium | medium |
| <input type="checkbox"/> *Plant: type of flowering | semi-clustered | semi-clustered |
| <input type="checkbox"/> Fruiting branch: number of nodes | medium | medium |
| <input type="checkbox"/> Fruiting branch: average internode length | medium | medium |
| <input type="checkbox"/> Plant: number of nodes to the lowest fruiting branch | medium | medium |
| <input type="checkbox"/> Leaf: intensity of green colour | medium to dark | medium to dark |
| <input type="checkbox"/> *Leaf: shape | palmate | palmate |
| <input type="checkbox"/> Leaf: size | medium | medium |
| <input type="checkbox"/> *Leaf: pubescence | absent or very weak to weak | absent or very weak to weak |
| <input type="checkbox"/> *Leaf: nectaries | present | present |
| <input type="checkbox"/> Bract: size | medium | medium |
| <input type="checkbox"/> Boll: size | medium | medium |
| <input type="checkbox"/> *Boll: shape in longitudinal section | elliptical | elliptical |
| <input type="checkbox"/> *Boll: length of peduncle | medium | medium to long |
| <input type="checkbox"/> Boll: prominence of tip | weak | weak |

| | | | |
|--------------------------|---------------------------|------------------|------------------|
| <input type="checkbox"/> | *Plant: shape | cylindrical | cylindrical |
| <input type="checkbox"/> | Plant: density of foliage | dense | dense |
| <input type="checkbox"/> | *Plant: height | tall | tall |
| <input type="checkbox"/> | *Boll: time of opening | late | late |
| <input type="checkbox"/> | Boll: degree of opening | medium to strong | medium to strong |
| <input type="checkbox"/> | *Seed: presence of fuzz | present | present |
| <input type="checkbox"/> | Boll: content of lint | medium to high | medium to high |
| <input type="checkbox"/> | *Fibre: length | medium | medium |
| <input type="checkbox"/> | Fibre: strength | medium | medium |
| <input type="checkbox"/> | Fibre: elongation | medium | medium |
| <input type="checkbox"/> | Fibre: length uniformity | medium | medium |
| <input type="checkbox"/> | Fibre: colour | white | white |

Characteristics Additional to the Descriptor/TG

| Organ/Plant Part: Context | 'DP 502 RR' | 'DeltaSAPPHIRE' |
|--|--------------------|------------------------|
| <input type="checkbox"/> Plant: Bacterial Blight Resistance | resistant | resistant |
| <input checked="" type="checkbox"/> Plant: Tolerance to glyphosate herbicide | present | absent |
| <input type="checkbox"/> Plant: Expression of Cry1A(c) Bt protein | absent | absent |
| <input type="checkbox"/> Plant: Expression of CryIIA Bt protein | absent | absent |

Prior Applications and Sales

Prior applications nil. First sold in Australia in Oct 2003.

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

Plant Varieties Journal - Search Result Details

Cotton (*Gossypium hirsutum*)**Variety:** 'DP 560 BGII'**Synonym:** N/A**Application no:** 2004/285**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 27-Sep-2004**Accepted:** 12-Nov-2004**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Varieties Journal:****Title Holder:** Deltapine Australia Pty Ltd**Agent:** N/A**Telephone:** 0267925233**Fax:** 0267925235

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|---|
| Application Number | 2004/285 |
| Variety Name | 'DP 560 BGII' |
| Genus Species | <i>Gossypium hirsutum</i> |
| Common Name | Cotton |
| Synonym | Nil |
| Accepted Date | 12 Nov 2004 |
| Applicant | Deltapine Australia Pty Ltd, Narrabri, NSW. |
| Agent | Nil |
| Qualified Person | Richard Leske |

Details of Comparative Trial

| | |
|----------------------------|--|
| Location | Locharba Research Centre, Narrabri, NSW, 2390 |
| Descriptor | Cotton - UPOV TG 88/6 |
| Period | Field trial grown during the 2004/2005 summer |
| Conditions | Field trial conditions: plants grown from seed, each variety grown in 1m row spacing x 12m plot length, commercial rates of fertiliser, herbicides and insecticides applied as required, trial fully irrigated. GMO Bio-assay conditions: leaf disc samples removed from small plants and ground in centrifuge tubes with an extraction buffer, test strips impregnated with antibodies added to detect the presence or absence of the Cry 1A(c) & Cry IIA Bt insect proteins. |
| Trial Design | Randomised complete block with 10 replicates per variety |
| Measurements | Field trial: morphological plant characteristics measured from 10 non-tipped plants per replicate, one measurement per plant. Fibre quality samples hand picked from a 1.5 metre section in each replicate and analysed by HVI instrument testing. GMO Bio-assay: leaf disc samples removed from 5 plants per replicate and tested for the presence or absence of the Cry 1A(c) & Cry IIA Bt insect proteins. |
| RHS Chart - edition | N/A |

Origin and Breeding

Controlled pollination: Seed parent 'DeltaSAPPHIRE' crossed with pollen parent 'DP 50 BX' followed by 2 backcross cycles to the recurrent parent 'DeltaSAPPHIRE'. The seed parent is the non GM conventional recurrent parent variety and the pollen parent is used to introduce the transgenic Cry 1A(c) and Cry IIA insect tolerance genes. Hybridisation took place in Deltapine Australia greenhouse located at Locharba, Narrabri, NSW. Progeny row selection was conducted at Narrabri, NSW. The final selection was tested in replicated yield and fibre quality trials in 2003/2004. Selection criteria included monitoring for the incorporation of the transgenic insect tolerance trait, disease tolerance to bacterial blight and fusarium wilt, yield and fibre quality. Propagation: by seed. Breeders: Richard Leske and Gerard Lonergan, Deltapine Australia Pty. Ltd., Locharba, Narrabri, NSW.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|------------------|--------------------------|---|
| Leaf | shape | palmate |
| Plant | shape | cylindrical |
| Flower | petal colour | cream |
| Plant | bacterial blight disease | resistant |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|-----------------|---|
| 'DeltaSAPPHIRE' | Conventional backcross recurrent parent |
| 'NuSAPPHIRE' | INGARD version of the same variety |
| 'DP 50 BX' | Selection used as the donor for the Bt GMO traits |

Varieties of Common Knowledge identified and subsequently excluded

| Variety | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety |
|------------|--------------------------------|--|---|
| 'DP 50 BX' | plant bacterial blight disease | resistant | susceptible |

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

| Organ/Plant Part: Context | 'DP 560 BGII' | 'DeltaSAPPHIRE' | 'NuSAPPHIRE' |
|---|-----------------------------|-----------------------------|-----------------------------|
| <input type="checkbox"/> *Flower: colour of petal | cream | cream | cream |
| <input type="checkbox"/> Flower: intensity of spot on petal | absent or very weak to weak | absent or very weak to weak | absent or very weak to weak |
| <input type="checkbox"/> *Flower: colour of pollen | cream | cream | cream |
| <input type="checkbox"/> Fruiting branch: length | medium | short to medium | medium |
| <input type="checkbox"/> *Plant: type of flowering | semi-clustered | semi-clustered | semi-clustered |
| <input type="checkbox"/> Fruiting branch: number of nodes | medium | medium | medium |
| <input type="checkbox"/> Fruiting branch: average internode length | medium | short to medium | medium |
| <input type="checkbox"/> Plant: number of nodes to the lowest fruiting branch | medium | medium | medium |
| <input type="checkbox"/> Leaf: intensity of green colour | medium to dark | medium to dark | medium to dark |
| <input type="checkbox"/> *Leaf: shape | palmate | palmate | palmate |
| <input type="checkbox"/> Leaf: size | medium | medium | medium |
| <input type="checkbox"/> *Leaf: pubescence | absent or very weak to weak | absent or very weak to weak | absent or very weak to weak |
| <input type="checkbox"/> *Leaf: nectaries | present | present | present |
| <input type="checkbox"/> Bract: size | medium | medium | medium |
| <input type="checkbox"/> Boll: size | medium | medium | medium |
| <input type="checkbox"/> *Boll: shape in longitudinal section | elliptical | elliptical | elliptical |
| <input type="checkbox"/> *Boll: length of peduncle | short to medium | short to medium | medium |
| <input type="checkbox"/> Boll: prominence of tip | weak | weak | weak |

| | | | | |
|--------------------------|---------------------------|------------------|------------------|------------------|
| <input type="checkbox"/> | *Plant: shape | cylindrical | cylindrical | cylindrical |
| <input type="checkbox"/> | Plant: density of foliage | dense | dense | dense |
| <input type="checkbox"/> | *Plant: height | medium to tall | tall | tall |
| <input type="checkbox"/> | *Boll: time of opening | medium to late | late | late |
| <input type="checkbox"/> | Boll: degree of opening | medium to strong | medium to strong | medium to strong |
| <input type="checkbox"/> | *Seed: presence of fuzz | present | present | present |
| <input type="checkbox"/> | Seed: colour of fuzz | white | white | white |
| <input type="checkbox"/> | *Fibre: length | medium to long | medium | medium |
| <input type="checkbox"/> | Fibre: strength | medium | medium | medium |
| <input type="checkbox"/> | Fibre: elongation | medium | medium | medium |
| <input type="checkbox"/> | Fibre: length uniformity | medium | medium | medium |
| <input type="checkbox"/> | Fibre: colour | white | white | white |

Characteristics Additional to the Descriptor/TG

| Organ/Plant Part: Context | 'DP 560 BGII' | 'DeltaSAPPHIRE' | 'NuSAPPHIRE' |
|--|----------------------|------------------------|---------------------|
| <input type="checkbox"/> Plant: Bacterial Blight Resistance | resistant | resistant | resistant |
| <input type="checkbox"/> Plant: Tolerance to glyphosate herbicide | absent | absent | absent |
| <input checked="" type="checkbox"/> Plant: Expression of Cry1A(c) Bt protein | present | absent | present |
| <input checked="" type="checkbox"/> Plant: Expression of CryIIA Bt protein | present | absent | absent |

Prior Applications and Sales

Prior applications nil. First sold in Australia in Sep 2003.

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

Plant Varieties Journal - Search Result Details

Cotton (*Gossypium hirsutum*)**Variety:** 'DP 556 BGII/RR'**Synonym:** N/A**Application no:** 2004/281**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 27-Sep-2004**Accepted:** 12-Nov-2004**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Varieties Journal:****Title Holder:** Deltapine Australia Pty Ltd**Agent:** N/A**Telephone:** 0267925233**Fax:** 0267925235

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|---|
| Application Number | 2004/281 |
| Variety Name | 'DP 556 BGII/RR' |
| Genus Species | <i>Gossypium hirsutum</i> |
| Common Name | Cotton |
| Synonym | Nil |
| Accepted Date | 12 Nov 2004 |
| Applicant | Deltapine Australia Pty Ltd, Narrabri, NSW. |
| Agent | Nil |
| Qualified Person | Richard Leske |

Details of Comparative Trial

| | |
|----------------------------|---|
| Location | Locharba Research Centre, Narrabri, NSW, 2390 |
| Descriptor | Cotton - UPOV TG 88/6 |
| Period | Field trial grown during the 2004/2005 summer |
| Conditions | Field trial Conditions: plants grown from seed, each variety grown in 1m row spacing x 12m plot length, commercial rates of fertiliser, herbicides and insecticides applied as required, trial fully irrigated. GMO Bio-assay Conditions: leaf disc samples removed from small plants and ground in centrifuge tubes with an extraction buffer, test strips impregnated with antibodies added to detect the presence or absence of the Cry 1A(c) & Cry IIA Bt insect proteins and the RR herbicide protein. |
| Trial Design | Randomised complete block with 10 replicates per variety |
| Measurements | Field trial: morphological plant characteristics measured from 10 non-tipped plants per replicate, one measurement per plant. Fibre quality samples hand picked from a 1.5 metre section in each replicate and analysed by HVI instrument testing. GMO Bio-assay: leaf disc samples removed from 5 plants per replicate and tested for the presence or absence of the Cry 1A(c) & Cry IIA Bt insect proteins and the RR herbicide protein. |
| RHS Chart - edition | N/A |

Origin and Breeding

Controlled pollination: F₁ seed parent ('DeltaSAPPHIRE' x 'DP 50 BX') crossed with F₁ pollen parent ('DeltaSAPPHIRE' x 'DP 555 BG/RR') followed by 2 backcross cycles to the recurrent parent 'DeltaSAPPHIRE'. The seed parent is used to introduce the transgenic Cry IIA insect tolerance gene and the pollen parent is used to introduce the transgenic Cry 1A(c) insect tolerance gene and the Roundup Ready (RR) herbicide tolerance gene. Hybridisation took place in Deltapine Australia greenhouse located at Locharba, Narrabri, NSW. Progeny row selection was conducted at Narrabri, NSW. The final selection was tested in replicated yield and fibre quality trials in 2003/2004. Selection criteria included monitoring for the incorporation of the insect tolerance and Roundup Ready transgenic traits, disease tolerance to bacterial blight and fusarium wilt, yield and fibre quality. Propagation: by seed. Breeders: Richard Leske and Gerard Lonergan, Deltapine Australia Pty. Ltd., Locharba, Narrabri, NSW.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|------------------|--------------------------|---|
| Leaf | shape | palmate |
| Plant | shape | cylindrical |
| Flower | colour of petal | cream |
| Plant | bacterial blight disease | resistant |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|-----------------|------------------------------------|
| 'DeltaSAPPHIRE' | Conventional backcross parent |
| 'NuSAPPHIRE' | INGARD version of the same variety |
| 'DP 50 BX' | Bt gene donor variety |

Varieties of Common Knowledge identified and subsequently excluded

| Variety | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments |
|------------|---|--|---|---|
| 'DP 50 BX' | Plant bacterial blight disease | resistant | susceptible | 'DP 50 BX' is only used as a donor variety for the GMO Bt traits. It was never released commercially. |
| 'DP 50 BX' | Plant tolerance to glyphosate herbicide | present | absent | |

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

| Organ/Plant Part: Context | 'DP 556 BGII/RR' | 'DeltaSAPPHIRE' | 'NuSAPPHIRE' |
|---|-----------------------------|-----------------------------|-----------------------------|
| <input type="checkbox"/> *Flower: colour of petal | cream | cream | cream |
| <input type="checkbox"/> Flower: intensity of spot on petal | absent or very weak | absent or very weak | absent or very weak |
| <input type="checkbox"/> *Flower: colour of pollen | cream | cream | cream |
| <input type="checkbox"/> Fruiting branch: length | medium | medium | medium |
| <input type="checkbox"/> *Plant: type of flowering | semi-clustered | semi-clustered | semi-clustered |
| <input type="checkbox"/> Fruiting branch: number of nodes | medium | medium | medium |
| <input type="checkbox"/> Fruiting branch: average internode length | medium | medium | medium |
| <input type="checkbox"/> Plant: number of nodes to the lowest fruiting branch | low to medium | medium | medium to high |
| <input type="checkbox"/> Leaf: intensity of green colour | medium to dark | medium to dark | medium to dark |
| <input type="checkbox"/> *Leaf: shape | palmate | palmate | palmate |
| <input type="checkbox"/> Leaf: size | medium | small to medium | medium |
| <input type="checkbox"/> *Leaf: pubescence | absent or very weak to weak | absent or very weak to weak | absent or very weak to weak |

| | | | | |
|--------------------------|--------------------------------------|-------------------|-------------------|-------------------|
| <input type="checkbox"/> | *Leaf: nectaries | present | present | present |
| <input type="checkbox"/> | Bract: size | medium | medium | medium |
| <input type="checkbox"/> | Boll: size | medium | medium | medium |
| <input type="checkbox"/> | *Boll: shape in longitudinal section | elliptical | elliptical | elliptical |
| <input type="checkbox"/> | *Boll: length of peduncle | medium | medium | medium |
| <input type="checkbox"/> | Boll: prominence of tip | very weak to weak | very weak to weak | very weak to weak |
| <input type="checkbox"/> | *Plant: shape | cylindrical | cylindrical | cylindrical |
| <input type="checkbox"/> | Plant: density of foliage | medium to dense | medium to dense | medium to dense |
| <input type="checkbox"/> | *Plant: height | tall | tall | tall |
| <input type="checkbox"/> | *Boll: time of opening | late | late | late |
| <input type="checkbox"/> | Boll: degree of opening | medium to strong | medium to strong | medium to strong |
| <input type="checkbox"/> | *Seed: presence of fuzz | present | present | present |
| <input type="checkbox"/> | Seed: colour of fuzz | white | white | white |
| <input type="checkbox"/> | Boll: content of lint | medium | medium to high | high |
| <input type="checkbox"/> | *Fibre: length | medium to long | medium | medium |
| <input type="checkbox"/> | Fibre: strength | medium to strong | medium | medium |
| <input type="checkbox"/> | Fibre: elongation | medium | medium | medium |
| <input type="checkbox"/> | Fibre: length uniformity | medium | medium | medium |
| <input type="checkbox"/> | Fibre: colour | white | white | white |

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context 'DP 556 BGII/RR' 'DeltaSAPPHIRE' 'NuSAPPHIRE'

| | | | | |
|-------------------------------------|--|-----------|-----------|-----------|
| <input type="checkbox"/> | Plant: Bacterial Blight Resistance | resistant | resistant | resistant |
| <input checked="" type="checkbox"/> | Plant: Expression of CryIIA Bt protein | present | absent | absent |
| <input checked="" type="checkbox"/> | Plant: Tolerance to glyphosate herbicide | present | absent | absent |
| <input checked="" type="checkbox"/> | Plant: Expression of CryIA(c) Bt protein | present | absent | present |

Prior Applications and Sales

Prior applications nil. First sold in Australia in Sep 2003.

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

Plant Varieties Journal - Search Result Details

Cotton (*Gossypium hirsutum*)**Variety:** 'DP 546 BGII/RR'**Synonym:** N/A**Application no:** 2004/280**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 27-Sep-2004**Accepted:** 12-Nov-2004**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Varieties Journal:****Title Holder:** Deltapine Australia Pty Ltd**Agent:** N/A**Telephone:** 0267925233**Fax:** 0267925235

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|---|
| Application Number | 2004/280 |
| Variety Name | 'DP 546 BGII/RR' |
| Genus Species | <i>Gossypium hirsutum</i> |
| Common Name | Cotton |
| Synonym | Nil |
| Accepted Date | 12 Nov 2004 |
| Applicant | Deltapine Australia Pty Ltd, Narrabri, NSW. |
| Agent | Nil |
| Qualified Person | Richard Leske |

Details of Comparative Trial

| | |
|----------------------------|--|
| Location | Locharba Research Centre, Narrabri, NSW, 2390 |
| Descriptor | Cotton - UPOV TG 88/6 |
| Period | Field Trial Period: field trial was grown during the 2004/2005 summer |
| Conditions | Field Trial Conditions: plants grown from seed, each variety sown in 1m row spacing x 12m in length, commercial rates of fertiliser, herbicides and insecticides applied as required, trial fully irrigated. GMO bio-assay Conditions: leaf disc sample removed from small plants and ground in centrifuge tubes with an extraction buffer, test strips impregnated with antibodies added to detect the presence or absence of the Cry 1A(C)& Cry IIA Bt insect proteins and the RR herbicide protein. |
| Trial Design | Trial Design: randomised completed block with 10 replicates per variety. |
| Measurements | Field Trial Measurements: morphological plant characteristics measured from 10 non-tipped plants per replicate, one measurement per plant. Fibre quality samples hand picked from a 1.5 metre section in each replicate and analysed by HVI instrument testing. GMO Trial Measurements : leaf disc sample removed from 5 small plants per replicate and tested for the presence or absence of the Cry1A(c), Cry IIA insecticide proteins & the RR herbicide protein. |
| RHS Chart - edition | N/A |

Origin and Breeding

Controlled pollination: F₁ seed parent ('DeltaOPAL' x 'DP 50 BX') crossed with F₁ pollen parent ('DeltaOPAL' x 'DP 555 BGII/RR') followed by 2 backcross cycles to the recurrent parent 'DeltaOPAL'. The seed parent is used to introduce the transgenic Cry IIA insect tolerance gene and the pollen parent is used to introduce the transgenic Cry 1A(c) insect tolerance gene and the Roundup Ready herbicide tolerance gene. Hybridisation took place in Deltapine Australia's glasshouse located at Locharba, Narrabri, NSW. Progeny row selection was conducted at Narrabri, NSW. The final selection was tested in replicated yield and fibre trials in 2003/04. Selection criteria included monitoring for the incorporation of the insect tolerance and Roundup Ready transgenic traits, disease tolerance to bacterial blight and fusarium wilt, yield and fibre quality. Propagation: by seed. Breeders: Richard Leske and Gerard Lonergan, Deltapine Australia Pty. Ltd, Locharba, Narrabri, NSW.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|------------------|--------------------------|---|
| Leaf | shape | palmate |
| Plant | shape | cylindrical |
| Flower | colour of petal | cream |
| Fruiting branch | length | medium |
| Seed | presence of fuzz | present |
| Plant | bacterial blight disease | resistant |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|-------------|--|
| 'DeltaOPAL' | Conventional backcross parent |
| 'NuOPAL RR' | INGARD/ROUNDUP READY version of the same variety |
| 'DP 50BX' | Bt gene donor variety used in crossing |

Varieties of Common Knowledge identified and subsequently excluded

| Variety | Distinguishing Characteristics | State of Expression in Candidate | State of Expression in Comparator Variety | Comments |
|-----------|---|----------------------------------|---|---|
| 'DP 50BX' | Plant Bacterial blight disease resistance | resistant | susceptible | 'DP 50 BX' is only used as a donor line for Bt GMO traits and was never released commercially |
| 'DP 50BX' | Plant Tolerance to glyphosate herbicide | present | absent | |

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

| Organ/Plant Part: Context | 'DP 546 BGII/RR' | 'DeltaOPAL' | 'NuOPAL RR' |
|---|-----------------------------|---------------------|-----------------------------|
| <input type="checkbox"/> *Flower: colour of petal | cream | cream | cream |
| <input type="checkbox"/> Flower: intensity of spot on petal | absent or very weak | absent or very weak | absent or very weak |
| <input type="checkbox"/> *Flower: colour of pollen | cream | cream | cream |
| <input type="checkbox"/> Fruiting branch: length | medium | medium | medium |
| <input type="checkbox"/> *Plant: type of flowering | semi-clustered | semi-clustered | semi-clustered |
| <input type="checkbox"/> Fruiting branch: average internode length | medium | short to medium | medium |
| <input type="checkbox"/> Plant: number of nodes to the lowest fruiting branch | low to medium | medium | medium |
| <input type="checkbox"/> Leaf: intensity of green colour | medium | medium | light to medium |
| <input type="checkbox"/> *Leaf: shape | palmate | palmate | palmate |
| <input type="checkbox"/> Leaf: size | medium | small to medium | medium |
| <input type="checkbox"/> *Leaf: pubescence | absent or very weak to weak | weak | absent or very weak to weak |

| | | | | |
|--------------------------|--------------------------------------|------------------|-------------------|-------------------|
| <input type="checkbox"/> | *Leaf: nectaries | present | present | present |
| <input type="checkbox"/> | Bract: size | medium | medium | medium |
| <input type="checkbox"/> | Boll: size | medium to large | medium | medium |
| <input type="checkbox"/> | *Boll: shape in longitudinal section | elliptical | elliptical | elliptical |
| <input type="checkbox"/> | *Boll: length of peduncle | medium to long | medium | medium |
| <input type="checkbox"/> | Boll: prominence of tip | weak | weak | very weak to weak |
| <input type="checkbox"/> | *Plant: shape | cylindrical | cylindrical | cylindrical |
| <input type="checkbox"/> | Plant: density of foliage | medium to dense | medium to dense | medium to dense |
| <input type="checkbox"/> | *Plant: height | tall | tall to very tall | tall to very tall |
| <input type="checkbox"/> | *Boll: time of opening | late | late | late |
| <input type="checkbox"/> | Boll: degree of opening | medium to strong | medium to strong | medium to strong |
| <input type="checkbox"/> | *Seed: presence of fuzz | present | present | present |
| <input type="checkbox"/> | Seed: colour of fuzz | white | white | white |
| <input type="checkbox"/> | Boll: content of lint | medium | medium | medium |
| <input type="checkbox"/> | *Fibre: length | medium | medium | medium |
| <input type="checkbox"/> | Fibre: strength | medium to strong | medium | medium |
| <input type="checkbox"/> | Fibre: elongation | medium | medium | medium |
| <input type="checkbox"/> | Fibre: length uniformity | medium | medium | medium |
| <input type="checkbox"/> | Fibre: colour | white | white | white |

Characteristics Additional to the Descriptor/TG

| Organ/Plant Part: Context | 'DP 546 BGII/RR' | 'DeltaOPAL' | 'NuOPAL RR' |
|--|-------------------------|--------------------|--------------------|
| <input checked="" type="checkbox"/> Plant: Expression of Cry1A(c) Bt protein | present | absent | present |
| <input type="checkbox"/> Plant: Bacterial Blight Resistance | resistant | resistant | resistant |
| <input checked="" type="checkbox"/> Plant: Expression of CryIIA Bt protein | present | absent | absent |
| <input checked="" type="checkbox"/> Plant: Tolerance to glyphosate herbicide | present | absent | present |

Prior Applications and Sales

Prior applications nil. First sold in Australia in Sep 2003.

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

Plant Varieties Journal - Search Result Details

Cotton (*Gossypium hirsutum*)**Variety:** 'DP 510 RR'**Synonym:** N/A**Application no:** 2004/279**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 27-Sep-2004**Accepted:** 12-Nov-2004**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Varieties Journal:****Title Holder:** Deltapine Australia Pty Ltd**Agent:** N/A**Telephone:** 0267925233**Fax:** 0267925235

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|---|
| Application Number | 2004/279 |
| Variety Name | 'DP 510 RR' |
| Genus Species | <i>Gossypium hirsutum</i> |
| Common Name | Cotton |
| Synonym | Nil. |
| Accepted Date | 12 Nov 2004 |
| Applicant | Deltapine Australia Pty Ltd, Narrabri, NSW. |
| Agent | Nil |
| Qualified Person | Richard Leske |

Details of Comparative Trial

| | |
|---------------------|--|
| Location | Locharba Research Centre, Narrabri, NSW, 2390 |
| Descriptor | Cotton - UPOV TG 88/6 |
| Period | Field trial grown during the 2004/2005 summer |
| Conditions | Field trial conditions: plants grown from seed, each variety grown in 1m row spacing x 12m plot length, commercial rates of fertiliser, herbicides and insecticides applied as required, trial fully irrigated. GMO Bio-assay conditions: leaf disc samples removed from small plants and ground in centrifuge tubes with an extraction buffer, test strips impregnated with antibodies added to detect the presence or absence of the RR herbicide protein. |
| Trial Design | Randomised complete block with 10 replicates per variety. |
| Measurements | Field trial: morphological plant characteristics measured from 10 non-tipped plants per replicate, one measurement per plant. Fibre quality samples hand picked from a 1.5 metre section in each replicate and analysed by HVI instrument testing. GMO Bio-assay: leaf disc samples removed from 5 plants per replicate and tested for the presence or absence of the RR herbicide protein. |

RHS Chart - edition N/A

Origin and Breeding

Controlled pollination: F₁ seed parent 'DeltaEMERALD' x crossed with pollen parent 'DP 5690 RRi' followed by 2 backcross cycles to the recurrent parent 'DeltaEMERALD'. The seed parent is the non GM conventional recurrent parent variety and the pollen parent is used to introduce the transgenic Roundup Ready (RR) glyphosate herbicide tolerance gene. Hybridisation took place in Deltapine Australia greenhouse located at Locharba, Narrabri, NSW. Progeny row selection was conducted at Narrabri, NSW. The final selection was tested in replicated yield and fibre quality trials in 2003/2004. Selection criteria included monitoring for the incorporation of the Roundup Ready transgenic trait, disease tolerance to bacterial blight and fusarium wilt, yield and fibre quality. Propagation: by seed. Breeders: Richard Leske and Gerard Lonergan, Deltapine Australia Pty. Ltd., Locharba, Narrabri, NSW.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|------------------|--------------------------|---|
| Plant | shape | cylindrical |
| Leaf | shape | palmate |
| Flower | colour of petal | cream |
| Plant | bacterial blight disease | resistance |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|----------------|---|
| 'DeltaEMERALD' | Conventional backcross recurrent parent |
| 'NuEMERALD' | INGARD version of the same variety |
| 'NuEMERALD RR' | INGARD/RR version of the same variety |
| 'NuPEARL RR' | (DP 555 BG/RR) RR donor variety |

Varieties of Common Knowledge identified and subsequently excluded

| Variety | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety |
|----------------|--|--|---|
| 'NuEMERALD' | plant expression of cry 1a(c) Bt protein | absent | present |
| 'NuEMERALD RR' | plant expression of cry 1a(c) Bt protein | absent | present |
| 'NuPEARL RR' | plant expression of cry 1a(c) Bt protein | absent | present |

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

| Organ/Plant Part: Context | 'DP 510 RR' | 'DeltaEMERALD' |
|---|-----------------------------|-----------------------------|
| <input type="checkbox"/> *Flower: colour of petal | cream | cream |
| <input type="checkbox"/> Flower: intensity of spot on petal | absent or very weak to weak | absent or very weak to weak |
| <input type="checkbox"/> *Flower: colour of pollen | cream | cream |
| <input type="checkbox"/> Fruiting branch: length | medium | medium |
| <input type="checkbox"/> *Plant: type of flowering | semi-clustered | semi-clustered |
| <input type="checkbox"/> Fruiting branch: number of nodes | medium | medium |
| <input type="checkbox"/> Fruiting branch: average internode length | short to medium | medium |
| <input type="checkbox"/> Plant: number of nodes to the lowest fruiting branch | medium | medium |
| <input type="checkbox"/> Leaf: intensity of green colour | medium | medium |
| <input type="checkbox"/> *Leaf: shape | palmate | palmate |
| <input type="checkbox"/> Leaf: size | medium | medium |
| <input type="checkbox"/> *Leaf: pubescence | absent or very weak to weak | absent or very weak to weak |
| <input type="checkbox"/> *Leaf: nectaries | present | present |
| <input type="checkbox"/> Bract: size | medium to large | medium |
| <input type="checkbox"/> Boll: size | medium to large | medium to large |

| | | | |
|--------------------------|--------------------------------------|------------------|------------------|
| <input type="checkbox"/> | *Boll: shape in longitudinal section | elliptical | elliptical |
| <input type="checkbox"/> | *Boll: length of peduncle | medium to long | medium to long |
| <input type="checkbox"/> | Boll: prominence of tip | weak | weak |
| <input type="checkbox"/> | *Plant: shape | cylindrical | cylindrical |
| <input type="checkbox"/> | Plant: density of foliage | dense | dense |
| <input type="checkbox"/> | *Plant: height | tall | tall |
| <input type="checkbox"/> | *Boll: time of opening | medium to late | late |
| <input type="checkbox"/> | Boll: degree of opening | medium to strong | medium to strong |
| <input type="checkbox"/> | *Seed: presence of fuzz | present | present |
| <input type="checkbox"/> | Boll: content of lint | medium | medium |
| <input type="checkbox"/> | *Fibre: length | medium | medium |
| <input type="checkbox"/> | Fibre: strength | medium | medium |
| <input type="checkbox"/> | Fibre: elongation | medium | medium |
| <input type="checkbox"/> | Fibre: length uniformity | medium | medium |
| <input type="checkbox"/> | Fibre: colour | white | white |

Characteristics Additional to the Descriptor/TG

| Organ/Plant Part: Context | 'DP 510 RR' | 'DeltaEMERALD' |
|--|--------------------|-----------------------|
| <input type="checkbox"/> Plant: Bacterial Blight Resistance | resistant | resistant |
| <input checked="" type="checkbox"/> Plant: Tolerance to glyphosate herbicide | present | absent |
| <input type="checkbox"/> Plant: Expression of Cry1A(c) Bt protein | absent | absent |
| <input type="checkbox"/> Plant: Expression of CryIIA Bt protein | absent | absent |

Prior Applications and Sales

Prior applications nil. First sold in Australia in Sep 2003.

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

Plant Varieties Journal - Search Result Details

Tea Tree (*Leptospermum hybrid*)**Variety:** 'Alicia Rose'**Synonym:** N/A**Application no:** 2005/254**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 20-Jul-2005**Accepted:** 25-Aug-2005**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Varieties Journal:****Title Holder:** Geoffrey Wallace Watson**Agent:** Aussie Winners Pty Ltd**Telephone:** 0732067676**Fax:** 0732068922

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|--|
| Application Number | 2005/254 |
| Variety Name | 'Alicia Rose' |
| Genus Species | <i>Leptospermum</i> hybrid |
| Common Name | Tea Tree |
| Synonym | Nil |
| Accepted Date | 25 Aug 2005 |
| Applicant | Geoffrey Wallace Watson, Yamba, NSW. |
| Agent | Aussie Winners Pty Ltd, Redland Bay, QLD |
| Qualified Person | Deo Singh |

Details of Comparative Trial

| | |
|---------------------|---|
| Location | Redlands Nursery, REDLAND BAY, QLD. |
| Descriptor | Tea Tree – UPOV TG/211/1 |
| Period | 2004/2005 |
| Conditions | Trial conducted in full sun. |
| Trial Design | 15 pots of each variety arranged in a completely randomized design. |
| Measurements | Colour coding was done from the newly opened flowers. Fully expanded new leaves have been referred as immature leaves and basal leaves have been referred as mature leaves. |

RHS Chart - edition 1995

Origin and Breeding

Controlled pollination: Seed parent *Leptosperma rotundifolium* 'Jervis Bay Form' x pollen parent *Leptospermum scoparium* 'Nanum Rubrum', 1997 at Yamba, NSW. 'Jervis Bay Form' is a tall variety and 'Nanum Rubrum' is a short growing variety with reddish foliage compared to 'Alicia Rose', a medium growing variety with green leaves. Selection criteria: flower colour and size. Propagation: it was propagated vegetatively through several generations, with no off types. Breeder: Geoffrey Wallace Watson, Yamba, NSW.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|-------------------------|----------------|--|
| Flower | colour | red |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|-------------|---|
| 'Naoko' | Red flower colour, some what similar to 'Alicia Rose' |

Varieties of Common Knowledge identified and subsequently excluded

| Variety | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments |
|-------------------|---------------------------------------|---|--|------------------------|
| 'Jervis Bay Form' | leaf colour | green | red | Taller variety. |
| 'Nanum Rubrum' | leaf colour | green | red | Short growing variety. |

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

| Organ/Plant Part: Context | ‘Alicia Rose’ | ‘Naoko’ |
|---|----------------------|---------------------|
| <input type="checkbox"/> Plant: growth habit | bushy | bushy |
| <input type="checkbox"/> Plant: height | medium | medium |
| <input type="checkbox"/> Plant: attitude of branches | erect | erect |
| <input type="checkbox"/> Plant: curvature of branches at distal end | upwards | upwards |
| <input type="checkbox"/> Plant: width | medium | medium |
| <input checked="" type="checkbox"/> Young shoot: main colour | reddish green | red |
| <input type="checkbox"/> Young shoot: hairiness | absent or weak | absent or weak |
| <input checked="" type="checkbox"/> *Young leaf: main colour | yellow green | red brown |
| <input type="checkbox"/> Leaf blade: attitude in relation to stem | oblique | oblique |
| <input type="checkbox"/> *Leaf blade: length | medium | medium |
| <input type="checkbox"/> *Leaf blade: width | medium | narrow |
| <input checked="" type="checkbox"/> Leaf blade: shape | elliptic | linear |
| <input type="checkbox"/> Leaf blade: profile in cross section | incurved | incurved |
| <input type="checkbox"/> Leaf blade: shape of apex | acute | acute |
| <input type="checkbox"/> *Leaf blade: variegation | absent | absent |
| <input type="checkbox"/> Leaf blade: main colour of upper side | grey green | light green |
| <input type="checkbox"/> Leaf blade: glossiness of upper side | absent or very weak | absent or very weak |
| <input type="checkbox"/> Leaf blade: hairiness on lower side | absent or weak | absent or weak |
| <input type="checkbox"/> Flower bud: hairiness | absent or weak | absent or weak |
| <input type="checkbox"/> Flower bud: predominant colour | red | red |
| <input type="checkbox"/> *Flower: number of whorls of petals | one | one |
| <input type="checkbox"/> Flower: arrangement of petals | free | free |
| <input type="checkbox"/> Flower: number of fertile stamens | many | many |
| <input type="checkbox"/> Flower: diameter | medium to large | medium to large |
| <input type="checkbox"/> Flower: diameter of disc in relation to diameter of flower | less than one third | less than one third |
| <input type="checkbox"/> Disc: colour | dark purple | dark purple |
| <input type="checkbox"/> Sepal: length in relation to length of petal | less than one third | less than one third |
| <input checked="" type="checkbox"/> Sepal: shape of apex | acute | rounded |
| <input type="checkbox"/> Sepal: predominant colour | red | red |
| <input type="checkbox"/> Sepal: hairiness | absent or very weak | absent or very weak |
| <input type="checkbox"/> Petal: ratio length/width | longer than broad | longer than broad |
| <input type="checkbox"/> Petal: number of colour on upper side | two or more | two or more |
| <input type="checkbox"/> Petal: distribution of secondary colour (varieties with two or more colours on upper side of petal only) | marginal | marginal |
| <input type="checkbox"/> Petal: colour change after first opening | present | present |

| | | | |
|-------------------------------------|---|--|--|
| <input checked="" type="checkbox"/> | Petal: main colour at first opening (RHS colour chart) | RHS 57A | RHS 69B |
| <input type="checkbox"/> | Petal: secondary colour at first opening (varieties with two or more colours on upper side of petal only) (RHS colour chart) | RHS 57C | RHS 63A |
| <input type="checkbox"/> | Petal: undulation of margin | medium | very weak |
| <input checked="" type="checkbox"/> | Petal: main colour two weeks after first opening (RHS colour chart) | RHS 57D | RHS 69B |
| <input checked="" type="checkbox"/> | Petal: secondary colour two weeks after first opening (varieties with two or more colours on upper side of petal only) (RHS colour chart) | RHS 70D | RHS 63B |
| <input type="checkbox"/> | Disc: main colour two weeks after first opening | brownish | brownish |
| <input type="checkbox"/> | Stamen: length of fertile stamen in relation to length of petal | more than half as long but less than equal | more than half as long but less than equal |
| <input type="checkbox"/> | Filaments: main colour | red | red |
| <input type="checkbox"/> | Time of: beginning of flowering | early | early |

Prior Applications and Sales

Nil.

Description: **Deo Singh**, Ormatec Pty Ltd, QLD.

Plant Varieties Journal - Search Result Details

Tea Tree (*Leptospermum hybrid*)**Variety:** 'Stephen Rose'**Synonym:** N/A**Application no:** 2005/253**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 20-Jul-2005**Accepted:** 25-Aug-2005**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Varieties Journal:****Title Holder:** Geoffrey Wallace Watson**Agent:** Aussie Winners Pty Ltd**Telephone:** 0732067676**Fax:** 0732068922

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|--|
| Application Number | 2005/253 |
| Variety Name | 'Stephen Rose' |
| Genus Species | <i>Leptospermum</i> hybrid |
| Common Name | Tea Tree |
| Synonym | Nil |
| Accepted Date | 25 Aug 2005 |
| Applicant | Geoffrey Wallace Watson, Yamba, NSW. |
| Agent | Aussie Winners Pty Ltd, Redland Bay, QLD |
| Qualified Person | Deo Singh |

Details of Comparative Trial

| | |
|---------------------|---|
| Location | Redlands Nursery, REDLAND BAY, QLD. |
| Descriptor | Tea Tree – UPOV TG/211/1 |
| Period | 2004/2005 |
| Conditions | 15 pots of each variety arranged in a completely randomized design. |
| Trial Design | Trial conducted in full sun. |
| Measurements | Colour coding was done from the newly opened flowers. Fully expanded new leaves have been referred as immature leaves and basal leaves have been referred as mature leaves. |

RHS Chart - edition 1995

Origin and Breeding

Controlled pollination: seed parent *Leptospermum rotundifolium* 'Jervis Bay Form' x pollen parent *Leptospermum scoparium* 'Nanum Rubrum', in 1997, in Yamba, NSW. 'Stephen Rose' has green leaves and pale pink flowers compared to 'Jervis Bay Form' which has red leaves and mauve flowers. Selection criteria: flower colour and size, growth habit. Propagation: it was vegetatively propagated with no off types. Propagation: vegetative. Breeder: Geoffrey Wallace Watson, Yamba, NSW.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|-------------------------|----------------|--|
| Flower | colour | pink |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|-------------|-----------------|
| 'Martin' | |

Varieties of Common Knowledge identified and subsequently excluded

| Variety | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments |
|-------------------|---------------------------------------|---|--|---------------------------------|
| 'Jervis Bay Form' | flower colour | pale pink | mauve | Taller growing variety. |
| 'Nanum Rubrum' | flower colour | pale pink | dark red | Differs in leaf colour as well. |

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

| Organ/Plant Part: Context | 'Stephen Rose' | 'Martin' |
|--|-----------------------|---------------------|
| <input type="checkbox"/> Plant: growth habit | bushy | bushy |
| <input type="checkbox"/> Plant: height | medium | medium |
| <input checked="" type="checkbox"/> Plant: attitude of branches | semi-erect | erect |
| <input type="checkbox"/> Plant: curvature of branches at distal end | upwards | upwards |
| <input type="checkbox"/> Plant: width | medium | medium |
| <input checked="" type="checkbox"/> Young shoot: main colour | reddish green | light green |
| <input type="checkbox"/> Young shoot: hairiness | absent or weak | absent or weak |
| <input type="checkbox"/> *Young leaf: main colour | light green | medium green |
| <input type="checkbox"/> Leaf blade: attitude in relation to stem | oblique | oblique |
| <input type="checkbox"/> *Leaf blade: length | short to medium | medium |
| <input checked="" type="checkbox"/> *Leaf blade: width | medium | narrow |
| <input checked="" type="checkbox"/> Leaf blade: shape | elliptic | linear |
| <input type="checkbox"/> Leaf blade: profile in cross section | flat | incurved |
| <input type="checkbox"/> Leaf blade: shape of apex | acute | acute |
| <input type="checkbox"/> *Leaf blade: variegation | absent | absent |
| <input type="checkbox"/> Leaf blade: main colour of upper side | light green | light green |
| <input type="checkbox"/> Leaf blade: glossiness of upper side | absent or very weak | absent or very weak |
| <input type="checkbox"/> Leaf blade: hairiness on lower side | absent or weak | absent or weak |
| <input type="checkbox"/> Flower bud: hairiness | absent or weak | absent or weak |
| <input type="checkbox"/> Flower bud: predominant colour | pink | pink |
| <input type="checkbox"/> *Flower: number of whorls of petals | one | one |
| <input checked="" type="checkbox"/> Flower: arrangement of petals | touching | free |
| <input type="checkbox"/> Flower: number of fertile stamens | many | many |
| <input type="checkbox"/> Flower: diameter | medium to large | small to medium |
| <input type="checkbox"/> Flower: diameter of disc in relation to diameter of flower | less than one third | less than one third |
| <input type="checkbox"/> Disc: colour | medium green | yellow green |
| <input type="checkbox"/> Sepal: length in relation to length of petal | less than one third | less than one third |
| <input type="checkbox"/> Sepal: shape of apex | acute | rounded |
| <input checked="" type="checkbox"/> Sepal: predominant colour | red | pink |
| <input type="checkbox"/> Sepal: hairiness | absent or very weak | absent or very weak |
| <input checked="" type="checkbox"/> Petal: ratio length/width | broader than long | longer than broad |
| <input checked="" type="checkbox"/> Petal: number of colour on upper side | one | two or more |
| <input type="checkbox"/> Petal: colour change after first opening | present | present |
| <input checked="" type="checkbox"/> Petal: main colour at first opening (RHS colour chart) | RHS 69A | RHS 69C |
| <input type="checkbox"/> Petal: undulation of margin | weak | weak to medium |

| | | | |
|-------------------------------------|---|--------------------|--|
| <input checked="" type="checkbox"/> | Petal: main colour two weeks after first opening (RHS colour chart) | RHS 69D | RHS 62B |
| <input checked="" type="checkbox"/> | Disc: main colour two weeks after first opening | greenish | brownish |
| <input checked="" type="checkbox"/> | Stamen: length of fertile stamen in relation to length of petal | up to half as long | more than half as long but less than equal |
| <input type="checkbox"/> | Filaments: main colour | pink | pink |
| <input type="checkbox"/> | Time of: beginning of flowering | early | early |

Prior Applications and Sales

Nil.

Description: **Deo Singh**, Ormatec Pty Ltd, QLD.

Plant Varieties Journal - Search Result Details

Peach (*Prunus persica*)**Variety:** 'Silvan Sunset'**Synonym:** N/A**Application no:** 2003/163**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 04-Jul-2003**Accepted:** 13-Aug-2003**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Title Holder:** JFT Nurseries Pty Ltd**Agent:** N/A**Telephone:** (03) 9737 9633**Fax:** (03) 9737 9755

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|--------------------------------------|
| Application Number | 2003/163 |
| Variety Name | 'Silvan Sunset' |
| Genus Species | <i>Prunus persica</i> |
| Common Name | Peach |
| Synonym | Nil |
| Accepted Date | 13 Aug 2003 |
| Applicant | JFT Nurseries Pty Ltd, Monbulk, VIC. |
| Agent | Nil |
| Qualified Person | David Nichols |

Details of Comparative Trial

| | |
|----------------------------|--|
| Location | Silvan |
| Descriptor | Peach/Nectarine (<i>Prunus persica</i>) TG 53/5 |
| Period | Aug to Nov 2005 |
| Conditions | Trees grown in krasnozem soils under ambient Southern Victorian (38°S) conditions. |
| Trial Design | Split plots consisting of rows of trees. |
| Measurements | Observation taken from all trial plants. |
| RHS Chart - edition | 2001 |

Origin and Breeding

Open-pollinated seedling: The breeder noticed an open-pollinated seedling from common form of 'Golden Queen' peach with unusual red and yellow colouring on the stem in autumn. The parental variety is characterised by greyed-yellow to yellow green stem colour. Scions from the new variety were budded onto *Prunus* rootstock. Selection criteria: juvenile stem colour. Propagation: the new variety 'Silvan Sunset' has been propagated to a fourth generation whilst maintaining uniformity and stability. Breeder: Colin James, Monbulk, VIC.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|-------------------------|--------------------------|--|
| Tree | size | large |
| Flower | type | showy |
| Petiole | nectaries | absent |
| Fruit | pubescence | present |
| Fruit | ground colour of flesh | light yellow |
| Stone | adherence to flesh | strong |
| Time of | beginning of flowering | medium |
| Time of | maturity for consumption | medium |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|----------------|-----------------------|
| 'Golden Queen' | Parent of new variety |

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

| Organ/Plant Part: Context | 'Silvan Sunset' | 'Golden Queen' |
|---|-----------------|-----------------|
| <input type="checkbox"/> *Tree: size | large | large |
| <input type="checkbox"/> Tree: vigour | strong | strong |
| <input type="checkbox"/> *Tree: habit | semi-upright | semi-upright |
| <input type="checkbox"/> Flowering shoot: thickness | medium | medium |
| <input type="checkbox"/> Flowering shoot: length of internodes | medium | medium |
| <input type="checkbox"/> *Flowering shoot: intensity of anthocyanin colouration | present | absent |
| <input type="checkbox"/> *Flowering shoot: anthocyanin colouration | weak | |
| <input type="checkbox"/> *Flowering shoot: density of flower buds | dense | dense |
| <input type="checkbox"/> Flowering shoot: general distribution of flower buds | isolated | isolated |
| <input type="checkbox"/> *Flower: type | showy | showy |
| <input type="checkbox"/> *Calyx: colour of inner side | greenish yellow | greenish yellow |
| <input type="checkbox"/> *Corolla: predominant colour | light pink | very light pink |
| <input type="checkbox"/> *Petal: shape | round | round |
| <input type="checkbox"/> *Petal: size | medium | medium |
| <input type="checkbox"/> *Petals: number | five | five |
| <input type="checkbox"/> Stamens: position | same level | same level |
| <input type="checkbox"/> *Stigma: position | below | below |
| <input type="checkbox"/> *Anthers: pollen | present | present |
| <input type="checkbox"/> *Ovary: pubescence | absent | absent |
| <input type="checkbox"/> Young shoot: length of stipule | short | short |
| <input type="checkbox"/> *Leaf blade: length | medium | medium |
| <input type="checkbox"/> *Leaf blade: width | medium | medium |
| <input type="checkbox"/> *Leaf blade: ratio | medium | medium |
| <input type="checkbox"/> Leaf blade: shape in cross section | concave | concave |
| <input type="checkbox"/> Leaf blade: recurvature of apex | absent | absent |
| <input type="checkbox"/> Leaf blade: angle at base | acute | acute |
| <input type="checkbox"/> Leaf blade: angle at apex | medium | medium |
| <input checked="" type="checkbox"/> Leaf blade: colour | greenish yellow | green |
| <input type="checkbox"/> Petiole: length | short | short |
| <input type="checkbox"/> *Petiole: nectaries | absent | absent |
| <input type="checkbox"/> *Fruit: size | medium | medium |
| <input type="checkbox"/> *Fruit: shape | oblate | oblate |

| | | |
|--|---------------------------------|---------------------------------|
| <input type="checkbox"/> *Fruit: shape of pistil end | weakly pointed | weakly pointed |
| <input type="checkbox"/> Fruit: symmetry | asymmetric | asymmetric |
| <input type="checkbox"/> Fruit: prominence of suture | strong | strong |
| <input type="checkbox"/> Fruit: depth of stalk cavity | medium | medium |
| <input type="checkbox"/> Fruit: width of stalk cavity | medium | medium |
| <input type="checkbox"/> *Fruit: ground colour | greenish white | greenish white |
| <input type="checkbox"/> Fruit: over colour | absent | absent |
| <input type="checkbox"/> *Fruit: pubescence | present | present |
| <input type="checkbox"/> *Fruit: density of pubescence | medium | medium |
| <input type="checkbox"/> Fruit: thickness of skin | medium | medium |
| <input type="checkbox"/> Fruit: adherence of skin to flesh | medium | medium |
| <input type="checkbox"/> *Fruit: firmness of flesh | firm | firm |
| <input type="checkbox"/> *Fruit: ground colour of flesh | light yellow | light yellow |
| <input type="checkbox"/> *Fruit: anthocyanin colouration directly under skin | absent or very weakly expressed | absent or very weakly expressed |
| <input type="checkbox"/> *Fruit: anthocyanin colouration of flesh | absent or very weakly expressed | absent or very weakly expressed |
| <input type="checkbox"/> *Fruit: anthocyanin colouration around stone | weakly expressed | weakly expressed |
| <input type="checkbox"/> Fruit: texture of the flesh | not fibrous | not fibrous |
| <input type="checkbox"/> Fruit: sweetness | medium | medium |
| <input type="checkbox"/> Fruit: acidity | low | low |
| <input type="checkbox"/> *Stone: size compared to fruit | medium | medium |
| <input type="checkbox"/> *Stone: shape | elliptic | elliptic |
| <input type="checkbox"/> Stone: intensity of brown colour | light | light |
| <input type="checkbox"/> Stone: relief of surface | grooves | grooves |
| <input type="checkbox"/> Stone: tendency of splitting | absent or very low | absent or very low |
| <input type="checkbox"/> *Stone: adherence to flesh | present | present |
| <input type="checkbox"/> Stone: degree of adherence to flesh | strong | strong |
| <input type="checkbox"/> Time of: leaf bud burst | medium | medium |
| <input type="checkbox"/> *Time of: beginning of flowering | medium | medium |
| <input type="checkbox"/> *Duration of: flowering | medium | medium |
| <input type="checkbox"/> *Time of: maturity | medium | medium |
| <input type="checkbox"/> Tendency to: pre harvest drop | absent or very weak | absent or very weak |

Characteristics Additional to the Descriptor/TG

| Organ/Plant Part: Context | ‘Silvan Sunset’ | ‘Golden Queen’ |
|---|------------------------|-----------------------|
| <input checked="" type="checkbox"/> Flowering stem: colour on side facing towards sun | RHS 45A, 30B | RHS 187A |
| <input checked="" type="checkbox"/> Young stem: colour | RHS 145A | RHS 144B |
| <input checked="" type="checkbox"/> Flowering stem: colour on side facing away from sun | RHS 11A, 21A, 14B | RHS 146B |
| <input type="checkbox"/> Petal: colour | RHS 69B | RHS 69C |

Prior Applications and Sales

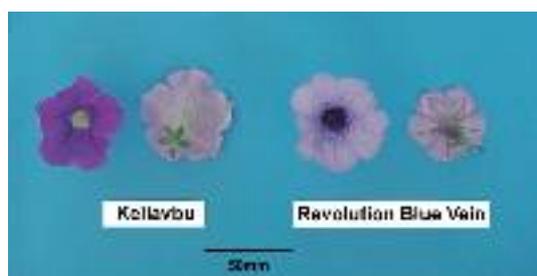
Nil.

Description: **David Nichols**, Rye, VIC.

Plant Varieties Journal - Search Result Details

Petunia (*Petunia hybrid*)**Variety:** 'Keilavbu'**Synonym:** Ocean Blue**Application no:** 2003/239**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 26-Aug-2003**Accepted:** 24-Nov-2003**Granted:** N/A**Description****published****in Plant** Volume 18, Issue 4**Varieties****Journal:****Title Holder:** Keisei Rose Nurseries, Inc.**Agent:** Ramm Botanicals Holdings Pty Ltd**Telephone:** 0243512099**Fax:** 0243531875

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|--|
| Application Number | 2003/239 |
| Variety Name | 'Keilavbu' |
| Genus Species | <i>Petunia</i> hybrid |
| Common Name | Petunia |
| Synonym | Ocean Blue |
| Accepted Date | 24 Nov 2003 |
| Applicant | Keisei Rose Nurseries, Inc., Tokyo, Japan. |
| Agent | Ramm Botanicals Holdings Pty Ltd, Tuggerah, NSW. |
| Qualified Person | Ian Paananen |

Details of Comparative Trial

| | |
|----------------------------|---|
| Location | Tuggerah, NSW |
| Descriptor | Petunia (<i>Petunia</i>) TWO/34/14 |
| Period | Nov 2005 to Jan 2006 |
| Conditions | Trial conducted in a plastic tunnel house, plants propagated from cuttings, rooted cuttings planted into 140mm pots filled with soilless potting mix, nutrition maintained with slow release fertilisers and drip irrigated, no pest or disease treatments were required. |
| Trial Design | Fifteen pots of each variety arranged in a completely randomised design. |
| Measurements | From ten plants at random. One sample per plant. |
| RHS Chart - edition | 1995 |

Origin and Breeding

Controlled pollination: seed parent 'Unnamed Seedling' x pollen parent 'Unnamed Seedling'. The parents are characterised by an upright plant growth habit and an absence of blue flower colour. Selection took place at Keisei Rose Nurseries Inc, Sawara Branch, Japan. Selection criteria: bluish flower colour, large single flowers, free flowering, pendant habit and free branching. Propagation: stock plants generated vegetatively through micropropagation and cuttings are found to be uniform and stable. Breeder: Hiroshi Hirabayashi, Japan.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|-------------------------|----------------|--|
| Plant | growth habit | creeping |
| Flower | colour group | blue |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|------------------------|-----------------|
| 'Revolution Blue Vein' | |

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

| Organ/Plant Part: Context | 'Keilavbu' | 'Revolution Blue Vein' |
|--|----------------------|-------------------------------|
| <input type="checkbox"/> *Plant: growth habit | creeping | creeping |
| <input type="checkbox"/> *Plant: height | short | short |
| <input type="checkbox"/> *Shoot: length | medium to long | medium to long |
| <input type="checkbox"/> Shoot: thickness | medium | medium |
| <input checked="" type="checkbox"/> *Leaf blade: length | medium to long | medium |
| <input checked="" type="checkbox"/> *Leaf blade: width | medium to broad | medium |
| <input type="checkbox"/> *Leaf blade: shape | elliptic | elliptic |
| <input type="checkbox"/> Leaf blade: shape of apex | narrow acute | narrow acute |
| <input type="checkbox"/> *Leaf blade: variegation | absent | absent |
| <input type="checkbox"/> *Leaf blade: green colour of upper side (varieties with non-variegated leaves only) | medium | medium |
| <input type="checkbox"/> Leaf blade: blistering | absent | absent |
| <input type="checkbox"/> Petiole: length | absent or very short | absent or very short |
| <input checked="" type="checkbox"/> Pedicel: length | medium | short to medium |
| <input type="checkbox"/> *Sepal: length | medium | medium |
| <input type="checkbox"/> *Sepal: width | narrow to medium | narrow to medium |
| <input type="checkbox"/> Sepal: shape | linear | linear |
| <input type="checkbox"/> Sepal: anthocyanin colouration | absent | absent |
| <input type="checkbox"/> *Flower: type | single | single |
| <input type="checkbox"/> *Flower: diameter | medium | medium |
| <input type="checkbox"/> *Flower: shape | funnelform | funnelform |
| <input checked="" type="checkbox"/> Flower: colour of veins | yellow | purple |
| <input type="checkbox"/> *Corolla lobe: number of colours of upper side | one | one |
| <input checked="" type="checkbox"/> *Corolla lobe: main colour of upper side (RHS colour chart) | 88C | 85D |
| <input checked="" type="checkbox"/> *Corolla lobe: conspicuousness of veins on upper side | absent or very weak | very strong |
| <input checked="" type="checkbox"/> Corolla lobe: undulation of margin | medium | weak to medium |
| <input type="checkbox"/> Corolla tube: length | medium | medium |
| <input checked="" type="checkbox"/> *Corolla tube: main colour of inner side (RHS colour chart) | 1D to 155D | 83A |
| <input checked="" type="checkbox"/> Corolla tube: conspicuousness of veins on inner side | weak | very strong |
| <input checked="" type="checkbox"/> *Anther: colour before dehiscence | yellowish white | light grey |

Characteristics Additional to the Descriptor/TG

| Organ/Plant Part: Context | 'Keilavbu' | 'Revolution Blue Vein' |
|---|---|-------------------------------|
| <input checked="" type="checkbox"/> Corolla lobe: colour variation in newly opened flower | 88C with 82B margins and 90A edge of throat | N/A |
| <input checked="" type="checkbox"/> Corolla lobe: colour of veins (RHS) | N/A | 83A |

Statistical Table

| Organ/Plant Part: Context | 'Keilavbu' | 'Revolution Blue Vein' |
|--|-------------------|-------------------------------|
| <input type="checkbox"/> Plant: height | | |
| Mean | 15.40 | 13.40 |
| Std. Deviation | 3.20 | 3.50 |
| LSD/sig | 3.80 | ns |
| <input checked="" type="checkbox"/> Flower: diameter | | |
| Mean | 56.00 | 51.10 |
| Std. Deviation | 2.00 | 1.60 |
| LSD/sig | 2.06 | P≤0.01 |
| <input checked="" type="checkbox"/> Corolla tube: length | | |
| Mean | 31.90 | 27.10 |
| Std. Deviation | 1.90 | 0.80 |
| LSD/sig | 1.67 | P≤0.01 |

Prior Applications and Sales

| Country | Year | Current Status | Name Applied |
|----------------|-------------|-----------------------|---------------------|
| Canada | 2000 | Granted | 'Keilavbu' |
| Israel | 2000 | Granted | 'Keilavbu' |
| Japan | 1998 | Granted | 'Keilavbu' |
| Norway | 2002 | Granted | 'Keilavbu' |
| Poland | 2000 | Granted | 'Keilavbu' |
| EU | 2002 | Granted | 'Keilavbu' |

First sold in Japan in Sep 1999. First Australian sale Sep 2002.

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

Plant Varieties Journal - Search Result Details

Peruvian Lily (*Alstroemeria hybrid*)**Variety:** 'Konovatio'**Synonym:** N/A**Application no:** 2004/124**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 13-Apr-2004**Accepted:** 21-May-2004**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Title Holder:** Konst Breeding B.V.**Agent:** David Nichols - postal address for service of notice on the applicant Konst Breeding BV**Telephone:** 0359774755**Fax:** 0359774921

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|--|
| Application Number | 2004/124 |
| Variety Name | 'Konovatio' |
| Genus Species | <i>Alstroemeria</i> hybrid |
| Common Name | Peruvian Lily |
| Synonym | Nil |
| Accepted Date | 21 May 2004 |
| Applicant | Konst Breeding B.V., Nieuwveen, The Netherlands. |
| Agent | Nil |
| Qualified Person | David Nichols |

Details of Comparative Trial

| | |
|----------------------------|---|
| Overseas Testing | Community Plant Variety Office (CPVO) |
| Authority | |
| Overseas Data | INC 828 |
| Reference Number | |
| Location | Overseas data was verified in Monbulk, VIC. |
| Descriptor | <i>Alstroemeria</i> (<i>Alstroemeria</i>) TG/29/6 |
| Period | Nov 2005 |
| Conditions | Comparisons of most characteristics are based on Dutch trials, which were assessed under conditions of controlled environment in glasshouses at Wageningen, The Netherlands. Detailed flower descriptions of the candidate variety are based on plants growing in soil in a multispans polyhouse at Monbulk, VIC. Flowers from these plants were cut in bud and transferred to Devon Meadows, VIC, and placed in a solution of 5% sugar and 1ml/l chlorine bleach. The flowers were assessed 3 days later. Descriptions of the comparators are derived from those published in the Plant Varieties Journal. |
| Trial Design | Completely randomised |
| Measurements | Taken from all trial plant. |
| RHS Chart - edition | 2001 |

Origin and Breeding

Controlled pollination: seed parent 5230-2 x pollen parent 5332-7, in a planned breeding program at the applicant's research station at Nieuwveens, The Netherlands. Both parents are non-commercial varieties within the breeding programme. Selection criteria: growth characteristics and bi-colour flower. Propagation: a number of matures stock plants were generated from the original seedling by tissue culture through 10 generations to confirm uniformity and stability. Breeder: J. W. Konst, Konst Breeding B.V., Nieuwveen, The Netherlands.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|-------------------------|---------------------------|--|
| Flower | main colour | red purple |
| Inner median tepal | presence of yellow colour | absent |
| Inner median tepal | presence of stripes | present |
| Stem | length | medium |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|-----------|-----------------------------------|
| 'Zanysia' | Description published in PVJ 15:2 |

Varieties of Common Knowledge identified and subsequently excluded

| Variety | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments |
|---------|--------------------------------|--|---|--|
| 'Roma' | Flower main colour | white with pink edge | pink no edge | variety from the same breeding program |
| 'Miami' | Flower main colour | white with pink edge | pink no edge | variety from the same breeding program |

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

| Organ/Plant Part: Context | 'Konovatio' | 'Zanysia' |
|--|-----------------|-----------------|
| <input type="checkbox"/> *Stem: length | medium | medium |
| <input type="checkbox"/> *Stem: thickness | thin to medium | medium |
| <input type="checkbox"/> *Stem: density of foliage | medium | medium |
| <input type="checkbox"/> *Leaf: length | short | short to medium |
| <input checked="" type="checkbox"/> *Leaf: width | narrow | medium |
| <input type="checkbox"/> *Leaf: shape of blade | narrow-elliptic | elliptic |
| <input type="checkbox"/> *Leaf: longitudinal axis of blade | straight | straight |
| <input type="checkbox"/> *Inflorescence: number of branches in umbel | medium to many | medium |
| <input type="checkbox"/> *Inflorescence: length of branches in umbel | short | short |
| <input checked="" type="checkbox"/> *Inflorescence: length of pedicel | very long | medium |
| <input type="checkbox"/> *Flower: main colour | red purple | red purple |
| <input type="checkbox"/> *Flower: size | medium | medium to large |
| <input checked="" type="checkbox"/> *Flower: spread of tepals | medium | large |
| <input type="checkbox"/> *Outer tepal: shape of blade | broad obovate | broad obovate |
| <input type="checkbox"/> *Outer tepal: depth of emargination | shallow | very shallow |
| <input checked="" type="checkbox"/> *Outer tepal: main colour of inner side of blade (RHS colour chart) | 54A | 62A |
| <input type="checkbox"/> *Outer tepal: stripes on inner side of blade | absent | absent |
| <input checked="" type="checkbox"/> *Inner tepal: shape of blade | elliptic | obovate |
| <input checked="" type="checkbox"/> *Inner lateral tepal: main colour of inner side of middle zone of blade (RHS colour chart) | 1B | 155A |
| <input type="checkbox"/> Inner lateral tepal: number of stripes on inner side of blade | medium to many | medium |
| <input type="checkbox"/> *Inner lateral tepal: size of stripes on inner side of blade | small | small to medium |
| <input type="checkbox"/> *Stamens: main colour of filament | red purple | red purple |
| <input type="checkbox"/> *Stamens: small spots on filament | absent | absent |

| | | | |
|-------------------------------------|--|-----------------------------|-----------|
| <input checked="" type="checkbox"/> | *Stamens: colour of anthers at the start of dehiscence | greenish | yellowish |
| <input checked="" type="checkbox"/> | Pistil: anthocyanin colouration of ovary | absent or very weak to weak | medium |
| <input type="checkbox"/> | Pistil: spots on the stigma | absent | absent |

Characteristics Additional to the Descriptor/TG

| Organ/Plant Part: Context | ‘Konovatio’ | ‘Zanysia’ |
|--|--------------------|------------------|
| <input type="checkbox"/> Outer tepal: colour of margins | pink | pink |
| <input type="checkbox"/> Inner median tepal: presence of stripes | present | absent |
| <input type="checkbox"/> Inner median tepal: presence of yellow colour | absent | absent |
| <input type="checkbox"/> Outer tepal: colour of centre | white | white |

Prior Applications and Sales

| Country | Year | Current Status | Name Applied |
|----------------|-------------|-----------------------|---------------------|
| EU | 2004 | Applied | ‘Konovatio’ |

First sold in The Netherlands in Apr 2003. First Australian sale May 2003.

Description: David Nichols, Rye, VIC.

Plant Varieties Journal - Search Result Details

Peruvian Lily (*Alstroemeria hybrid*)**Variety:** 'Kogoa'**Synonym:** N/A**Application no:** 2004/125**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 13-Apr-2004**Accepted:** 21-May-2004**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Title Holder:** Konst Breeding B.V.**Agent:** David Nichols - postal address for service of notice on the applicant Konst Breeding BV**Telephone:** 0359774755**Fax:** 0359774921

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|--|
| Application Number | 2004/125 |
| Variety Name | 'Kogoa' |
| Genus Species | <i>Alstroemeria</i> hybrid |
| Common Name | Peruvian Lily |
| Synonym | Nil |
| Accepted Date | 21 May 2004 |
| Applicant | Konst Breeding B.V., Nieuwveen, The Netherlands. |
| Agent | Nil |
| Qualified Person | David Nichols |

Details of Comparative Trial

| | |
|----------------------------|--|
| Overseas Testing | Community Plant Variety Office (CPVO) |
| Authority | |
| Overseas Data | INC 815 |
| Reference Number | |
| Location | Overseas data was verified in Monbulk, VIC. |
| Descriptor | <i>Alstroemeria</i> (<i>Alstroemeria</i>) TG/29/6 |
| Period | Nov 2005 |
| Conditions | Comparisons of most characteristics are based on Dutch trials, which were assessed under conditions of controlled environment in glasshouses at Wageningen, The Netherlands. Detailed flower descriptions of the candidate variety are based on plants growing in soil in a multispan polyhouse at Monbulk VIC. Flowers from these plants were cut in bud and transferred to Devon Meadows VIC, and placed in a solution of 5% sugar and 1 ml/l chlorine bleach. The flowers were assessed 3 days later. Descriptions of the comparator variety are derived from those published in the Plant Variety Journal. |
| Trial Design | Completely randomised |
| Measurements | Taken from all trial plant. |
| RHS Chart - edition | 2001 |

Origin and Breeding

Controlled pollination: seed parent 6454-6 x pollen parent 90-3-8, in a planned breeding program at the applicant's research station at Nieuwveens, The Netherlands. Both parents are non-commercial varieties within the breeding programme. Selection criteria: growth characteristics and bright yellow flower. Propagation: a number of mature stock plants were generated from the original seedling by tissue culture through 10 generations to confirm uniformity and stability. Breeder: J. W. Konst, Konst Breeding B.V., Nieuwveen, The Netherlands.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|-------------------------|----------------|--|
| Flower | main colour | yellow |
| Stem | length | medium to long |
| Inner median tepal | stripes | present |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|-----------|--|
| 'Jamaica' | This variety comes from the same breeding program and is published in PVJ 14:3 |

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

| Organ/Plant Part: Context | 'Kogoa' | 'Jamaica' |
|--|---------------------|-------------------|
| <input type="checkbox"/> *Stem: length | medium to long | long |
| <input type="checkbox"/> *Stem: thickness | medium to thick | thick |
| <input type="checkbox"/> *Stem: density of foliage | medium | medium |
| <input type="checkbox"/> *Leaf: length | long | medium to long |
| <input type="checkbox"/> *Leaf: width | medium | medium to broad |
| <input type="checkbox"/> *Leaf: shape of blade | narrow-elliptic | narrow-elliptic |
| <input type="checkbox"/> *Leaf: longitudinal axis of blade | recurved | recurved |
| <input type="checkbox"/> *Inflorescence: number of branches in umbel | many | medium |
| <input type="checkbox"/> *Inflorescence: length of branches in umbel | medium | medium to long |
| <input type="checkbox"/> *Inflorescence: length of pedicel | short to medium | medium |
| <input type="checkbox"/> *Flower: main colour | yellow | yellow |
| <input type="checkbox"/> *Flower: size | medium | medium to large |
| <input type="checkbox"/> *Flower: spread of tepals | medium | medium |
| <input type="checkbox"/> *Outer tepal: shape of blade | broad obovate | broad obovate |
| <input type="checkbox"/> *Outer tepal: depth of emargination | medium | shallow to medium |
| <input checked="" type="checkbox"/> *Outer tepal: main colour of inner side of blade (RHS colour chart) | 13B | 17B |
| <input type="checkbox"/> *Outer tepal: stripes on inner side of blade | absent | present |
| <input checked="" type="checkbox"/> *Inner tepal: shape of blade | obovate | elliptic |
| <input checked="" type="checkbox"/> *Inner lateral tepal: main colour of inner side of middle zone of blade (RHS colour chart) | RHS 13B | 17A |
| <input type="checkbox"/> Inner lateral tepal: number of stripes on inner side of blade | few to medium | few to medium |
| <input type="checkbox"/> *Inner lateral tepal: size of stripes on inner side of blade | medium | medium to large |
| <input checked="" type="checkbox"/> *Stamens: main colour of filament | yellow | orange |
| <input type="checkbox"/> *Stamens: small spots on filament | absent | absent |
| <input checked="" type="checkbox"/> *Stamens: colour of anthers at the start of dehiscence | greenish | brownish |
| <input checked="" type="checkbox"/> Pistil: anthocyanin colouration of ovary | absent or very weak | medium |
| <input checked="" type="checkbox"/> Pistil: spots on the stigma | absent | present |

Characteristics Additional to the Descriptor/TG

| Organ/Plant Part: Context | 'Kogoa' | 'Jamaica' |
|--|---------|-----------|
| <input type="checkbox"/> Inner median tepal: presence of stripes | present | present |

Prior Applications and Sales

| Country | Year | Current Status | Name Applied |
|-----------------|-------------|-----------------------|---------------------|
| The Netherlands | 2003 | Applied | 'Kogoa' |

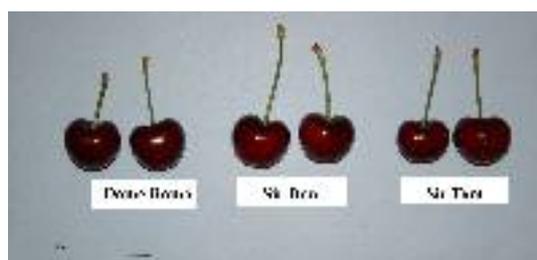
First sold in UK in Apr 2003. First Australian sale May 2003.

Description: **David Nichols**, Rye, VIC.

Plant Varieties Journal - Search Result Details

Sweet Cherry (*Prunus avium*)**Variety:** 'Dame Roma'**Synonym:** N/A**Application no:** 2001/216**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 24-Aug-2001**Accepted:** 17-Sep-2001**Granted:** N/A**Description published****in Plant** Volume 18, Issue 4**Varieties****Journal:****Title Holder:** Minister for Agriculture, Food and Fisheries and Cherry Growers of SA, SAFF Inc**Agent:** Australian Nurserymen's Fruit Improvement Company**Telephone:** 0263326960**Fax:** 0263326962

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|--|
| Application Number | 2001/216 |
| Variety Name | 'Dame Roma' |
| Genus Species | <i>Prunus avium</i> |
| Common Name | Sweet Cherry |
| Synonym | Nil |
| Accepted Date | 17 Sep 2001 |
| Applicant | Minister for Agriculture, Food and Fisheries, Adelaide, SA and Cherry Growers of SA, SAFF Inc |
| Agent | Australian Nurserymen's Fruit Improvement Company, Bathurst, NSW. |
| Qualified Person | Peter Kennedy |

Details of Comparative Trial

| | |
|----------------------------|--|
| Location | Young, NSW. Longitude 148°18' E, Latitude 34°18' S. |
| Descriptor | Sweet cherry (<i>Prunus avium</i>) |
| Period | 2001-2005 |
| Conditions | Grown under normal orchard conditions |
| Trial Design | Six trees of the candidate variety and four trees of the comparator varieties were planted at a designated trial site in 2001 on a commercial orchard. |
| Measurements | From all trial plants |
| RHS Chart - edition | N/A |

Origin and Breeding

Controlled pollination: the candidate variety is a product of a deliberate cross of two known commercial varieties 'Stella' and 'Black Douglas' at SARDI, Lenswood Horticultural Centre. Observations were made at the Lenswood Horticultural Centre. Selection criteria: crack resistance, large size, self-fertility. Propagation: the variety has been vegetatively propagated and trial trees sent to national variety testing blocks in Australia. No off types have been observed. Breeder Dr. Andrew Granger, SARDI, Lenswood Horticultural Centre, SA.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|-------------------------|----------------|--|
| Fruit | size | medium to large |
| Fruit | maturity | late |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|-------------|----------------------------|
| 'Sir Don' | Similar maturity and size. |
| 'Sir Tom' | Similar maturity and Size |

Varieties of Common Knowledge identified and subsequently excluded

| Variety | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety |
|-----------------|---------------------------------------|---|--|
| 'Stella' | Fruit maturity | late | mid season |
| 'Black Douglas' | Fruit maturity | late | very late |

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

| Organ/Plant Part: Context | ‘Dame Roma’ | ‘Sir Don’ | ‘Sir Tom’ |
|--|-----------------------------------|-----------------------------------|-----------------------------------|
| <input type="checkbox"/> Tree: vigour | strong | strong | medium to strong |
| <input type="checkbox"/> *Tree: habit | semi upright | semi upright | semi upright |
| <input type="checkbox"/> *Tree: branching | weak to medium | weak to medium | medium |
| <input type="checkbox"/> One-year-old shoot: thickness (at mid-length) | thin to medium | medium | medium |
| <input type="checkbox"/> Leaf blade: length | medium | long | medium |
| <input type="checkbox"/> Leaf blade: width | narrow to medium | medium | medium |
| <input type="checkbox"/> Leaf blade: intensity of green colour of upper side | dark | dark | dark |
| <input type="checkbox"/> *Petiole: nectaries | present | present | present |
| <input checked="" type="checkbox"/> Petiole: colour of nectaries | greenish yellow | light red | light red |
| <input type="checkbox"/> Flower: diameter | medium to large | medium to large | |
| <input type="checkbox"/> Flower: arrangement of petals | touching | touching | |
| <input type="checkbox"/> *Fruit: size | large | large | medium to large |
| <input type="checkbox"/> *Fruit: shape | reniform | reniform | reniform |
| <input type="checkbox"/> Fruit: pistil end | flat | flat | flat |
| <input type="checkbox"/> Fruit: suture | absent or very weakly conspicuous | absent or very weakly conspicuous | absent or very weakly conspicuous |
| <input type="checkbox"/> *Fruit: length of stalk | medium | medium | medium |
| <input type="checkbox"/> Fruit: thickness of stalk | medium | medium | medium |
| <input type="checkbox"/> Fruit: abscission layer between stalk and fruit | present | present | present |
| <input type="checkbox"/> *Fruit: colour of skin | dark red | dark red | dark red |
| <input type="checkbox"/> Fruit: size of lenticels on skin | medium | medium | medium |
| <input type="checkbox"/> Fruit: number of lenticels on skin | medium | medium | medium |
| <input type="checkbox"/> *Fruit: colour of flesh | medium red | medium red | medium red |
| <input type="checkbox"/> Fruit: colour of juice | pink | pink | pink |
| <input type="checkbox"/> *Fruit: firmness | firm | medium | medium |
| <input type="checkbox"/> Fruit: acidity | medium | high | high |
| <input type="checkbox"/> Fruit: sweetness | medium | low to medium | medium |
| <input type="checkbox"/> Fruit: juiciness | medium | medium | |
| <input type="checkbox"/> *Stone: size | medium | | small to medium |
| <input type="checkbox"/> *Stone: shape (in ventral view) | circular | circular | circular |
| <input type="checkbox"/> *Time of: beginning of flowering | late to very late | late | late |
| <input type="checkbox"/> *Time of: beginning of fruit ripening | late | late | late |

Characteristics Additional to the Descriptor/TG

| Organ/Plant Part: Context | 'Dame Roma' | 'Sir Don' | 'Sir Tom' |
|---|--------------------|------------------|------------------|
| <input checked="" type="checkbox"/> Fruit: susceptibility to cracking | medium | very low | low |

Statistical Table

| Organ/Plant Part: Context | 'Dame Roma' | 'Sir Don' | 'Sir Tom' |
|---|--------------------|------------------|------------------|
| <input checked="" type="checkbox"/> Leaf: length (mm) | | | |
| Mean | 146.88 | 183.2 | 156.9 |
| Std. Deviation | 5.70 | 17.39 | 24.87 |
| LSD/sig | 19.71 | P≤0.01 | ns |
| <input type="checkbox"/> Leaf: width (mm) | | | |
| Mean | 71.11 | 79.25 | 72.30 |
| Std. Deviation | 2.46 | 8.76 | 10.79 |
| LSD/sig | 9.01 | ns | ns |
| <input type="checkbox"/> Petiole: length (mm) | | | |
| Mean | 40.05 | 38.45 | 39.10 |
| Std. Deviation | 9.80 | 15.91 | 2.76 |
| LSD/sig | 3.40 | ns | ns |
| <input type="checkbox"/> Leaf length/petiole length ratio | | | |
| Mean | 3.53 | 4.79 | 4.01 |
| Std. Deviation | 0.62 | 0.56 | 0.61 |
| LSD/sig | 0.66 | P≤0.01 | ns |
| <input type="checkbox"/> Fruit: Diameter (mm) | | | |
| Mean | 28.02 | 28.90 | 26.93 |
| Std. Deviation | 1.25 | 1.60 | 1.46 |
| LSD/sig | 1.60 | ns | ns |
| <input checked="" type="checkbox"/> Fruit: length of stalk (mm) | | | |
| Mean | 40.10 | 52.50 | 44.32 |
| Std. Deviation | 4.29 | 5.35 | 4.99 |
| LSD/sig | 5.41 | P≤0.01 | ns |
| <input type="checkbox"/> Stone: diameter (mm) | | | |
| Mean | 9.91 | 9.60 | 9.69 |
| Std. Deviation | 0.49 | 0.48 | 0.44 |
| LSD/sig | 0.52 | ns | ns |
| <input checked="" type="checkbox"/> Brix: percentage | | | |
| Mean | 15.63 | 19.63 | 14.49 |
| Std. Deviation | 1.50 | 1.54 | 0.96 |
| LSD/sig | 1.51 | P≤0.01 | ns |

Prior Applications and Sales

Nil.

Description: **Peter Kennedy**, Young, NSW.

Plant Varieties Journal - Search Result Details

Oats (*Avena sativa*)**Variety:** 'Drover'**Synonym:** PO 615**Application no:** 2004/323**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 29-Nov-2004**Accepted:** 25-Feb-2005**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Varieties Journal:****Title Holder:** NDSU Research Foundation**Agent:** Pacific Seeds Pty Ltd**Telephone:** 0746902663**Fax:** 0746301063

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|---|
| Application Number | 2004/323 |
| Variety Name | 'Drover' |
| Genus Species | <i>Avena sativa</i> |
| Common Name | Oats |
| Synonym | PO 615 |
| Accepted Date | 25 Feb 2005 |
| Applicant | NDSU Research Foundation, Fargo, ND, USA. |
| Agent | Pacific Seeds Pty Ltd, Toowoomba, QLD. |
| Qualified Person | Peter Stuart |

Details of Comparative Trial

| | |
|----------------------------|--|
| Location | Gatton, Queensland |
| Descriptor | Oat – UPOV TG/20/10 |
| Period | Winter-Spring 2004 |
| Conditions | The trial was sown into a well prepared seedbed at the Pacific Seeds Research Station, located at Gatton in the Lockyer Valley, in South East Queensland. Sowing date was 6th Jul, 2004. The trial was conducted under irrigated conditions, using a row spacing of 76 cm. |
| Trial Design | Trial design was a randomised complete block with four replications, four rows per plot, plots 5m long. |
| Measurements | Measurements were taken from 60 plants, selected randomly from over 2000 plants |
| RHS Chart - edition | N/A |

Origin and Breeding

Controlled pollination: 'Drover' is a selection from an original cross between seed parent ND 90141 and pollen parent ND 900118 made in 1992 at North Dakota State University, Fargo, North Dakota, USA. The F₁ and F₂ generations were grown in 1993. Single plant selections were made from the F₂ and F₃ generations. Subsequent generations involved screening for resistance to critical races of stem and leaf rust. Selection criteria: leaf rust resistance, maturity, plant bio-mass production. Propagation: seed. Breeder: Dr. Michael McMullen, North Dakota State University, Fargo, ND, USA.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|-------------------------|------------------------------|--|
| Stem | hairiness of upper most node | absent |
| Panicle | attitude of spikelets | pendulous |
| Primary grain | colour of lemma | yellow |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|-------------|--|
| 'Volta' | Released as a crown rust resistant forage oat variety |
| 'Warrego' | A forage oat variety with intermediate growth habit. |
| 'Taipan' | Released as a crown rust resistant forage oat variety. |

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

| Organ/Plant Part: Context | ‘Drover’ | ‘Taipan’ | ‘Volta’ | ‘Warrego’ |
|--|---------------------|---------------------|---------------------|-----------------------------|
| <input type="checkbox"/> Plant: growth habit | intermediate | erect | intermediate | intermediate |
| <input type="checkbox"/> Lowest leaves: hairiness of sheaths | absent or very weak to weak |
| <input type="checkbox"/> *Leaf blade: hairiness of margins of leaf below flag leaf | absent or very weak |
| <input type="checkbox"/> Plant: frequency of plants with recurved flag leaves | low | low | absent or very low | medium |
| <input type="checkbox"/> *Time of: panicle emergence | medium | late to very late | medium | medium |
| <input type="checkbox"/> *Stem: hairiness of uppermost node | absent | absent | absent | absent |
| <input type="checkbox"/> Panicle: orientation of branches | sub-unilateral | equilateral | sub-unilateral | equilateral |
| <input type="checkbox"/> Panicle: attitude of branches | semi-erect | semi-erect | horizontal | semi-erect |
| <input type="checkbox"/> Panicle: attitude of spikelets | pendulous | pendulous | pendulous | pendulous |
| <input type="checkbox"/> Glumes: glaucosity | medium | weak | medium | weak |
| <input type="checkbox"/> Glumes: length | medium | medium | medium | medium |
| <input type="checkbox"/> *Primary grain: glaucosity of lemma | absent | absent | absent | absent |
| <input type="checkbox"/> *Plant: length | medium | long to very long | long | medium |
| <input checked="" type="checkbox"/> *Grain: husk | absent | present | present | present |
| <input type="checkbox"/> Primary grain: tendency to be awned | absent or very weak | strong | medium | absent or very weak to weak |
| <input type="checkbox"/> Primary grain: length of lemma | medium | medium | medium | medium |
| <input type="checkbox"/> *Grain: colour of lemma | yellow | yellow | yellow | yellow |
| <input type="checkbox"/> Primary grain: hairiness of back of lemma | absent | absent | present | absent |
| <input type="checkbox"/> Primary grain: hairiness of base | absent or very weak | weak | medium to strong | absent or very weak to weak |
| <input type="checkbox"/> Primary grain: length of basal hairs | very short | medium | long to very long | very short |
| <input type="checkbox"/> Primary grain: length of rachilla | medium | medium | medium | medium |

Statistical Table

| Organ/Plant Part: Context | ‘Drover’ | ‘Taipan’ | ‘Volta’ | ‘Warrego’ |
|---|-----------------|-----------------|----------------|------------------|
| <input checked="" type="checkbox"/> Mature plant: height (mm) | | | | |
| Mean | 1071.00 | 1265.00 | 1192.50 | 1095.50 |
| Std. Deviation | 74.83 | 125.48 | 98.08 | 96.98 |
| LSD/sig | 62.6 | P≤0.01 | P≤0.01 | ns |
| <input checked="" type="checkbox"/> Flag leaf: width (mm) | | | | |
| Mean | 20.40 | 19.40 | 17.38 | 18.90 |
| Std. Deviation | 2.87 | 5.16 | 3.35 | 2.72 |

| | | | | |
|---|--------|--------|--------|--------|
| LSD/sig | 2.04 | ns | P≤0.01 | ns |
| <input checked="" type="checkbox"/> Flag leaf : length (mm) | | | | |
| Mean | 173.00 | 220.50 | 199.58 | 191.30 |
| Std. Deviation | 32.37 | 55.81 | 45.47 | 30.04 |
| LSD/sig | 26.1 | P≤0.01 | P≤0.01 | ns |

Prior Applications and Sales

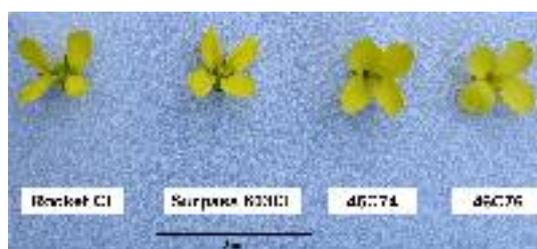
Nil.

Description: **Peter Stuart**, Pacific Seeds Pty Ltd, Toowoomba, QLD.

Plant Varieties Journal - Search Result Details

Canola (*Brassica napus*)**Variety:** 'Rocket CL'**Synonym:** N/A**Application no:** 2004/329**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 06-Dec-2004**Accepted:** 22-Feb-2005**Granted:** N/A**Description****published****in Plant** Volume 18, Issue 4**Varieties****Journal:****Title Holder:** Pacific Seeds Pty Ltd**Agent:** N/A**Telephone:** 0746902666**Fax:** 0746301063

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|--|
| Application Number | 2004/329 |
| Variety Name | 'Rocket CL' |
| Genus Species | <i>Brassica napus</i> |
| Common Name | Canola |
| Synonym | Nil |
| Accepted Date | 22 Feb 2005 |
| Applicant | Pacific Seeds Pty Ltd, Toowoomba, QLD. |
| Agent | Nil |
| Qualified Person | Heidi Mouwen |

Details of Comparative Trial

| | |
|----------------------------|--|
| Location | Gatton, Queensland, Australia |
| Descriptor | Canola/Rape Seed – UPOV TG/ 36/6 |
| Period | Sown 17 May 2005 |
| Conditions | Normal Agronomic practises were followed. |
| Trial Design | 3 rep lattice design, with a plot width of 1.5m, consisting of 2 rows each 75cm apart and a plot length of 10m |
| Measurements | 20 random samples were taken from each of the 3 reps. |
| RHS Chart - edition | N/A |

Origin and Breeding

Controlled pollination: The variety 'Rocket CL' was derived from controlled pollination of female parent 'C9128' with pollen parent 'Surpass 603CL'. The F₁ generation was used to produce dihaploids. The female parent is a Pacific Seeds breeding line which differs by way of absence of resistance to imidazolinone. The male parent 'Surpass 603CL' differs by way of earlier flowering and maturity. The dihaploid lines were screened and evaluated for oil content, plant type, maturity and imidazolinone tolerance. The dihaploid line 'J9747' was bulked and evaluated in trials and used for subsequent seed increases. The breeding work commenced in 2001 and was conducted in Toowoomba, QLD. Selection criteria: imidazolinone tolerance, maturity. Propagation: seed. Breeder: Andrew Easton, Pacific Seeds Pty Ltd, Toowoomba, QLD.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|-------------------------|--------------------------------------|--|
| Plant | maturity | medium |
| Plant | imidazoninone tolerance | present |
| Leaf | lobes | present |
| Plant | total length including side branches | long –very long |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|-----------------|-----------------|
| 'Surpass 603CL' | |
| '46C74' | |
| '46C76' | |

Varieties of Common Knowledge identified and subsequently excluded

| Variety | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments |
|----------------|---------------------------------------|---|--|-----------------|
| '44C71' | Leaf length | medium | long | |

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

| Organ/Plant Part: Context | 'Rocket CL' | '46C74' | '46C76' | 'Surpass 603CL' |
|--|-----------------------|-------------------|-------------------|------------------------|
| <input type="checkbox"/> *Seed: erucic acid | absent | absent | absent | absent |
| <input checked="" type="checkbox"/> *Leaf: green colour | medium to dark | medium to dark | medium | dark |
| <input type="checkbox"/> *Leaf: lobes | present | present | present | present |
| <input checked="" type="checkbox"/> *Leaf: number of lobes | few | medium | medium to many | medium |
| <input checked="" type="checkbox"/> *Leaf: dentation of margin | weak | medium | weak to medium | weak |
| <input checked="" type="checkbox"/> Leaf: length | medium | long | long to very long | medium |
| <input type="checkbox"/> Leaf: width | medium | narrow to medium | medium | medium |
| <input checked="" type="checkbox"/> Leaf: length of petiole (varieties with lobed leaves only) | medium | medium to long | long | short to medium |
| <input type="checkbox"/> *Time of: flowering | medium | medium | medium to late | medium |
| <input type="checkbox"/> *Flower: colour of petals | yellow | yellow | yellow | yellow |
| <input checked="" type="checkbox"/> Flower: length of petals | long to very long | long | long | medium |
| <input checked="" type="checkbox"/> Flower: width of petals | very narrow to narrow | broad | medium to broad | medium |
| <input checked="" type="checkbox"/> *Plant: total length including side branches | long | long to very long | long to very long | long |

Statistical Table

| Organ/Plant Part: Context | 'Rocket CL' | '46C74' | '46C76' | 'Surpass 603CL' |
|---|--------------------|----------------|----------------|------------------------|
| <input checked="" type="checkbox"/> Plant : Height (cm) | | | | |
| Mean | 174.08 | 183.58 | 186.67 | 177.92 |
| Std. Deviation | 26.00 | 21.70 | 11.80 | 10.10 |
| LSD/sig | 9.49 | P≤0.01 | P≤0.01 | ns |
| <input checked="" type="checkbox"/> Leaf: length (cm) | | | | |
| Mean | 26.50 | 31.89 | 33.84 | 26.18 |
| Std. Deviation | 2.00 | 3.70 | 2.70 | 2.20 |
| LSD/sig | 1.67 | P≤0.01 | P≤0.01 | ns |
| <input checked="" type="checkbox"/> Leaf: width (cm) | | | | |
| Mean | 12.29 | 10.89 | 12.47 | 12.15 |
| Std. Deviation | 1.00 | 1.20 | 2.00 | 1.50 |
| LSD/sig | 0.96 | P≤0.01 | ns | ns |
| <input checked="" type="checkbox"/> Petal: length (mm) | | | | |
| Mean | 13.95 | 13.73 | 13.42 | 12.52 |
| Std. Deviation | 0.70 | 0.80 | 0.70 | 0.70 |
| LSD/sig | 0.46 | ns | P≤0.01 | P≤0.01 |
| <input checked="" type="checkbox"/> Petal: width (mm) | | | | |
| Mean | 5.50 | 7.62 | 6.82 | 6.23 |

| | | | | |
|----------------|------|--------|--------|--------|
| Std. Deviation | 0.60 | 0.80 | 0.60 | 0.60 |
| LSD/sig | 0.6 | P≤0.01 | P≤0.01 | P≤0.01 |

Prior Applications and Sales

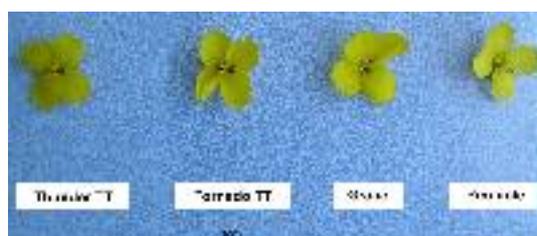
Nil.

Description: **Heidi Mouwen**, Pacific Seeds Pty Ltd, Toowoomba, QLD.

Plant Varieties Journal - Search Result Details

Canola (*Brassica napus*)**Variety:** 'Thunder TT'**Synonym:** N/A**Application no:** 2004/328**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 06-Dec-2004**Accepted:** 22-Feb-2005**Granted:** N/A**Description****published****in Plant** Volume 18, Issue 4**Varieties****Journal:****Title Holder:** Pacific Seeds Pty Ltd**Agent:** N/A**Telephone:** 0746902666**Fax:** 0746301063

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|--|
| Application Number | 2004/328 |
| Variety Name | 'Thunder TT' |
| Genus Species | <i>Brassica napus</i> |
| Common Name | Canola |
| Synonym | Nil |
| Accepted Date | 22 Feb 2005 |
| Applicant | Pacific Seeds Pty Ltd, Toowoomba, QLD. |
| Agent | Nil |
| Qualified Person | Heidi Mouwen |

Details of Comparative Trial

| | |
|----------------------------|--|
| Location | Gatton, Queensland, Australia |
| Descriptor | Canola/Rape Seed – UPOV TG/ 36/6 |
| Period | Sown 17 May 2005 |
| Conditions | Normal agronomic practises were followed Comparators Tornado TT, Grace and Pinnacle |
| Trial Design | 3-rep lattice, plot width 1.5m, consisting of 2 rows each 75cm apart and a plot length of 10m |
| Measurements | 20 random samples were taken from each of the 3 reps. |
| RHS Chart - edition | N/A |

Origin and Breeding

Controlled pollination: The variety 'Thunder TT' was derived from controlled pollination of female parent 'Surpass 600T' with pollen parent '9102'. The female parent 'Surpass 600TT' differs by way of tall plant height and later maturity. The male parent is a Pacific Seeds breeding line '9120' which differs by way of absence of resistance to triazine and early maturity. The male parent was backcrossed three times on to the triazine tolerant female parent, followed by three generations of selfing and seed increase. Early generations were selected based on triazine tolerance, oil content, plant type and maturity. The seed line was bulked and evaluated in trials and used for subsequent seed increases. The breeding work commenced in 1998 and was conducted in Toowoomba, QLD. Selection criteria: triazine tolerance, plant type, maturity. Propagation: seed. Breeder: Andrew Easton, Pacific Seeds Pty Ltd, Toowoomba, QLD.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|-------------------------|---|--|
| Flowering | maturity | medium |
| Leaf | lobes | present |
| Plant | total length including side branches | medium |
| Plant | triazine herbicide tolerance | present |
| Siliqua | length | medium |
| Siliqua | length of beak | medium |
| Siliqua | length of peduncle | medium |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|--------------|-----------------|
| 'Grace' | |
| 'Tornado TT' | |
| 'Pinnacle' | |

Varieties of Common Knowledge identified and subsequently excluded

| Variety | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments |
|------------------------------------|------------------------------------|--|---|----------------------------------|
| 'Surpass 600TT' | Flowering maturity | medium | medium to late | also has poor lodging resistance |
| Pacific Seeds Breeding line '9102' | Plant triazine herbicide tolerance | present | absent | |

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

| Organ/Plant Part: Context | 'Thunder TT' | 'Grace' | 'Pinnacle' | 'Tornado TT' |
|--|-----------------|------------------|----------------|---------------|
| <input type="checkbox"/> *Seed: erucic acid | absent | absent | absent | absent |
| <input checked="" type="checkbox"/> *Leaf: green colour | light to medium | medium | medium | medium |
| <input type="checkbox"/> *Leaf: lobes | present | present | present | present |
| <input checked="" type="checkbox"/> *Leaf: number of lobes | few | medium to many | medium to many | few to medium |
| <input checked="" type="checkbox"/> *Leaf: dentation of margin | weak to medium | weak to medium | medium | weak |
| <input type="checkbox"/> Leaf: length | medium | medium to long | long | medium |
| <input type="checkbox"/> Leaf: width | medium | narrow to medium | medium | medium |
| <input checked="" type="checkbox"/> Leaf: length of petiole (varieties with lobed leaves only) | short to medium | medium to long | long | medium |
| <input type="checkbox"/> *Time of: flowering | medium | medium | medium | medium |
| <input type="checkbox"/> *Flower: colour of petals | yellow | yellow | yellow | yellow |
| <input checked="" type="checkbox"/> Flower: length of petals | short | medium | medium | medium |
| <input checked="" type="checkbox"/> Flower: width of petals | broad | medium to broad | medium | medium |
| <input type="checkbox"/> Production of: pollen | present | present | present | present |
| <input type="checkbox"/> *Plant: total length including side branches | medium | medium | medium | medium |
| <input type="checkbox"/> Siliqua: length | medium | medium | medium | medium |
| <input type="checkbox"/> Siliqua: length of beak | medium | medium | medium | medium |
| <input type="checkbox"/> Siliqua: length of peduncle | medium | medium | medium | medium |

Statistical Table

| Organ/Plant Part: Context | 'Thunder TT' | 'Grace' | 'Pinnacle' | 'Tornado TT' |
|---|--------------|---------|------------|--------------|
| <input type="checkbox"/> Plant: Height (cm) | | | | |
| Mean | 165.00 | 163.50 | 161.92 | 167.42 |
| Std. Deviation | 8.40 | 15.60 | 19.10 | 10.60 |
| LSD/sig | 9.46 | ns | ns | ns |
| <input checked="" type="checkbox"/> Leaf: Length (cm) | | | | |
| Mean | 26.28 | 29.43 | 31.48 | 27.60 |
| Std. Deviation | 2.60 | 2.70 | 2.90 | 2.20 |

| | | | | |
|--|-------|--------|--------|--------|
| LSD/sig | 1.85 | P≤0.01 | P≤0.01 | ns |
| <input checked="" type="checkbox"/> Leaf: width (cm) | | | | |
| Mean | 11.54 | 10.31 | 10.92 | 11.64 |
| Std. Deviation | 1.70 | 1.80 | 1.00 | 1.10 |
| LSD/sig | 1.05 | P≤0.01 | ns | ns |
| <input checked="" type="checkbox"/> Petal: Length (mm) | | | | |
| Mean | 12.58 | 13.17 | 12.93 | 13.50 |
| Std. Deviation | 0.90 | 1.00 | 0.70 | 0.70 |
| LSD/sig | 0.55 | P≤0.01 | ns | P≤0.01 |
| <input checked="" type="checkbox"/> Petal: width (mm) | | | | |
| Mean | 6.75 | 6.30 | 6.52 | 7.10 |
| Std. Deviation | 0.60 | 0.70 | 0.60 | 0.50 |
| LSD/sig | 0.41 | P≤0.01 | ns | ns |

Prior Applications and Sales

Nil.

Description: **Heidi Mouwen**, Pacific Seeds Pty Ltd, Toowoomba, QLD.

Plant Varieties Journal - Search Result Details

Grevillea (*Grevillea hybrid*)**Variety:** 'Raptor'**Synonym:** N/A**Application no:** 2003/295**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 16-Oct-2003**Accepted:** 13-Nov-2003**Granted:** N/A**Description published in Plant** Volume 18, Issue 4**Varieties Journal:****Title Holder:** Peter James Ollerenshaw**Agent:** N/A**Telephone:** 0262369280**Fax:** 0262369429

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|-------------------------|
| Application Number | 2003/295 |
| Variety Name | 'Raptor' |
| Genus Species | <i>Grevillea</i> hybrid |
| Common Name | Grevillea |
| Synonym | Nil |
| Accepted Date | 13 Nov 2003 |
| Applicant | Peter James Ollerenshaw |
| Agent | Nil |
| Qualified Person | Robert Dunstone |

Details of Comparative Trial

| | |
|----------------------------|--|
| Location | Bywong Nursery, Bywong NSW |
| Descriptor | PBR GREV <i>Grevillea</i> (<i>Grevillea</i>) |
| Period | 1 Nov 2003 to 30 Oct 2005 |
| Conditions | Cuttings of the varieties 'Raptor', 'Royal Mantle' and <i>G. gaudichaudii</i> were rooted and planted in a pine bark based potting mix containing a coated fertiliser in 20 cm pots. |
| Trial Design | Ten replicates per variety were set out in a randomised block pattern under natural light in a shadehouse, pest control was not required. |
| Measurements | One measurement per plant was taken. |
| RHS Chart - edition | 1986 |

Origin and Breeding

Controlled pollination. Flowers of *Grevillea* 'Copper Rocket' were emasculated and pollinated with pollen from *Grevillea laurifolia*. The seed parent was characterised by a prostrate habit, some dissected leaves and red purple inflorescences. The pollen parent was characterised by a prostrate habit, dissected leaves and red-purple inflorescences. Hybridisation took place at Bywong, NSW Australia in February, 1998. Seeds from the cross were germinated and grown to flowering stage. The selection was made on the basis of inflorescence colour, flowering time and plant habit. The variety was developed as a clonal block by cuttings. Breeder: Peter James Ollerenshaw, Bywong, NSW Australia.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|-------------------------|--------------------|--|
| Plant | habit | prostrate |
| Leaf | division of blade | some or all of leaves divided |
| Inflorescence | predominant colour | red |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|-------------------------------|--|
| Royal Mantle | prostrate habit, divided leaves, red inflorescence |
| <i>Grevillea gaudichaudii</i> | prostrate habit, divided leaves, red inflorescence |

Varieties of Common Knowledge identified and subsequently excluded

| Variety | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety |
|-----------------------------|--------------------------------|--|---|
| <i>Grevillea juniperina</i> | leaf division of blade | entire or dissected | entire |

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

| Organ/Plant Part: Context | 'Raptor' | <i>G. gaudichaudii</i> | 'Royal Mantle' |
|--|--|--|--|
| <input type="checkbox"/> Plant: growth habit | prostrate | prostrate | prostrate |
| <input type="checkbox"/> Plant: attitude of branches | prostrate | prostrate | prostrate |
| <input type="checkbox"/> Plant: height | short (< 1m) | short (< 1m) | short (< 1m) |
| <input type="checkbox"/> Plant: density (assessment of foliage at flowering) | sparse | sparse | sparse |
| <input type="checkbox"/> Young stem: colour | greyed purple | greyed orange | greyed orange |
| <input type="checkbox"/> Stem: colour | greyed orange | greyed purple | greyed purple |
| <input type="checkbox"/> Stem: hairiness | weak | weak | weak |
| <input type="checkbox"/> Petiole: length | short | short | short |
| <input type="checkbox"/> Leaf: length | short (5-10cm) | short (5-10cm) | short (5-10cm) |
| <input type="checkbox"/> Leaf: width at widest point | very narrow (< 5cm) | very narrow (< 5cm) | very narrow (< 5cm) |
| <input type="checkbox"/> Leaf: attitude to stem | erect | semi-erect | semi-erect |
| <input type="checkbox"/> Leaf: curvature of margin | flat or slightly recurved, undersurface on either side of the midvein wholly exposed | flat or slightly recurved, undersurface on either side of the midvein wholly exposed | flat or slightly recurved, undersurface on either side of the midvein wholly exposed |
| <input type="checkbox"/> Leaf: colour of upper side (including hairs) | medium green | light green | light green |
| <input type="checkbox"/> Leaf: colour of lower side (including hairs) | light green | light green | light green |
| <input type="checkbox"/> Leaf: degree of hairiness on upper side | very weak | very weak | very weak |
| <input type="checkbox"/> Leaf: degree of hairiness on lower side | very weak | very weak | weak to medium |
| <input type="checkbox"/> Leaf: colour of hairiness on lower side | white | white | white |
| <input type="checkbox"/> Leaf: undulation of margin | medium | very weak | very weak |
| <input type="checkbox"/> Leaf: division of blade | some or all leaves on plant divided | some or all leaves on plant divided | some or all leaves on plant divided |
| <input type="checkbox"/> Leaf: degree of division of blade (varieties with division of blade present only) | first order | first order | first order |
| <input type="checkbox"/> Leaf: depth of division of blade | sinus greater than two thirds of way to | sinus greater than two thirds of way to | sinus greater than two thirds of way to |

| | | | |
|---|---------------------|----------------------------|---------------------|
| (varieties with division of blade present only) | midrib | to midrib | midrib |
| <input type="checkbox"/> Leaf: number of lobes (varieties with division of blade present only) | medium | medium | medium |
| <input type="checkbox"/> Leaf: regularity of lobing (varieties with division of blade present only) | irregular | regular | regular |
| <input type="checkbox"/> Leaf: attitude of longitudinal axis of lobes to longitudinal axis of midrib (varieties with division of blade present only) | semi-erect | semi-erect | semi-erect |
| <input type="checkbox"/> Leaf: attitude of longitudinal axis of lobes to one another on same side of leaf (varieties with division of blade present only) | parallel | parallel | parallel |
| <input type="checkbox"/> Leaf: shape of apex of sinus (varieties with division of blade present only) | pointed | pointed | pointed |
| <input type="checkbox"/> Lobe: width (varieties with division of blade present only) | narrow | narrow | narrow to medium |
| <input type="checkbox"/> Lobe: shape of apex of ultimate lobe (varieties with division of blade present only) | pointed | pointed | pointed |
| <input type="checkbox"/> Flowering branch: position of inflorescence | terminal only | both terminal and axillary | terminal only |
| <input type="checkbox"/> Inflorescence: length | short | short | short |
| <input type="checkbox"/> Inflorescence: width | narrow | narrow | narrow |
| <input type="checkbox"/> Inflorescence: predominant colour | red | red | red |
| <input type="checkbox"/> Inflorescence: density of florets | dense | dense | dense |
| <input type="checkbox"/> Inflorescence: number of flowers | medium | medium | medium |
| <input type="checkbox"/> Inflorescence: attitude | horizontal | horizontal | horizontal |
| <input type="checkbox"/> Inflorescence: form | secund | secund | secund |
| <input type="checkbox"/> Inflorescence: branching | absent or very weak | absent or very weak | absent or very weak |
| <input type="checkbox"/> Inflorescence: sequence of opening of the flowers | centripetal | centripetal | centripetal |
| <input type="checkbox"/> Rachis: length | short | short | short |
| <input type="checkbox"/> Bud: colour of perianth | red | red | red |
| <input type="checkbox"/> Bud: colour of limb | red | red | red |
| <input type="checkbox"/> Bud: attitude of limb in relation to longitudinal axis of bud (late bud prior to anthesis) | drooping | drooping | drooping |
| <input type="checkbox"/> Flower: attitude of pedicel in relation to rachis | perpendicular | perpendicular | perpendicular |

| | | | | |
|--------------------------|--|-------------------------|-------------------------|-------------------------|
| <input type="checkbox"/> | Flower: length of pedicel | short | short | short |
| <input type="checkbox"/> | Perianth: colour | red | red | red |
| <input type="checkbox"/> | Perianth: degree of hairiness (outside of perianth including limb) | medium | medium | medium |
| <input type="checkbox"/> | Perianth: colour of hairs | white | white | white |
| <input type="checkbox"/> | Perianth: length | short | short | short |
| <input type="checkbox"/> | Perianth: width | narrow | narrow | narrow |
| <input type="checkbox"/> | Perianth: coherence of tepals on dorsal side | less than one third | less than one third | less than one third |
| <input type="checkbox"/> | Perianth: coherence of tepals on ventral side | greater than two thirds | greater than two thirds | greater than two thirds |
| <input type="checkbox"/> | Tepal: flanging at margin | absent or very weak | absent or very weak | absent or very weak |
| <input type="checkbox"/> | Nectary: colour | yellow | white | white |
| <input type="checkbox"/> | Ovary: colour | white | white | white |
| <input type="checkbox"/> | Ovary: hairiness | medium | medium | medium |
| <input type="checkbox"/> | Style: colour | red | red | red |
| <input type="checkbox"/> | Style: curvature (after anthesis before dehiscence of perianth) | gently curved | gently curved | gently curved |
| <input type="checkbox"/> | Style: position of curve | top half | continuous along length | continuous along length |
| <input type="checkbox"/> | Style: hairiness | absent or very weak | absent or very weak | absent or very weak |
| <input type="checkbox"/> | Pistil: length | medium | medium | medium |
| <input type="checkbox"/> | Pistil: length in relation to length of perianth | much longer | much longer | much longer |
| <input type="checkbox"/> | Stigma: colour | green | green | green |
| <input type="checkbox"/> | Pollen presenter: attitude to style | oblique | oblique | oblique |
| <input type="checkbox"/> | Pollen presenter: colour | green | green | green |
| <input type="checkbox"/> | Pollen presenter: concurrence with style | present | present | present |
| <input type="checkbox"/> | Pollen presenter: shape | cone | cone | cone |
| <input type="checkbox"/> | Pollen: colour | purple | purple | purple |
| <input type="checkbox"/> | Time of: flowering | early | | |

Statistical Table

| Organ/Plant Part: Context | ‘Raptor’ | <i>G. gaudichaudii</i> | ‘Royal Mantle’ |
|---|-----------------|-------------------------------|-----------------------|
| <input checked="" type="checkbox"/> Leaf: length (mm) | | | |
| Mean | 90.94 | 63.13 | 79.10 |
| Std. Deviation | 15.78 | 11.97 | 14.44 |
| LSD/sig | 1.84 | P≤0.01 | P≤0.01 |
| <input checked="" type="checkbox"/> Leaf: width (mm) | | | |

| | | | |
|--|-------|--------|--------|
| Mean | 41.39 | 49.61 | 26.97 |
| Std. Deviation | 19.46 | 8.96 | 5.34 |
| LSD/sig | 12.35 | ns | P≤0.01 |
| <input checked="" type="checkbox"/> Leaf lobes: number (count) | | | |
| Mean | 4.40 | 7.40 | 8.20 |
| Std. Deviation | 0.70 | 1.43 | 3.12 |
| LSD/sig | 2.1 | P≤0.01 | P≤0.01 |
| <input checked="" type="checkbox"/> Leaf lobe: length (mm) | | | |
| Mean | 44.12 | 29.69 | 18.01 |
| Std. Deviation | 4.71 | 5.08 | 2.56 |
| LSD/sig | 4.59 | P≤0.01 | P≤0.01 |

Prior Applications and Sales

Nil.

Description: **Robert Dunstone**, Curtin, ACT.

Plant Varieties Journal - Search Result Details

Leucospermum (*Leucospermum glabrum* x *Leucospermum tottum*)**Variety:** 'Lance'**Synonym:** N/A**Application no:** 2003/350**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 09-Dec-2003**Accepted:** 24-Dec-2003**Granted:** N/A**Description published****in Plant Varieties Journal:** Volume 18, Issue 4**Title Holder:** Proteaflora Enterprises Pty Ltd**Agent:** N/A**Telephone:** 0397567233**Fax:** 0397566948

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|--|
| Application Number | 2003/350 |
| Variety Name | 'Lance' |
| Genus Species | <i>Leucospermum glabrum</i> x <i>Leucospermum tottum</i> |
| Common Name | Leucospermum |
| Synonym | Nil |
| Accepted Date | 24 Dec 2003 |
| Applicant | Proteaflora Enterprises Pty Ltd, Monbulk, VIC. |
| Agent | Nil |
| Qualified Person | Paul Armitage |

Details of Comparative Trial

| | |
|----------------------------|---|
| Location | Proteaflora Enterprises Pty Ltd, Monbulk, VIC 3793. |
| Descriptor | Leucospermum (<i>Leucospermum</i>) TG128/3 |
| Period | Mar 2004- Nov 2005 |
| Conditions | Trial conducted in outdoor nursery growing area. Rooted cuttings potted to 140mm pots filled with soilless potting mix, nutrients maintained with controlled release fertilisers, overhead irrigated, plants pinched at potting, pest and disease treatments applied as required. |
| Trial Design | Fifteen plants of each variety arranged in completely randomised design. |
| Measurements | Measurements from 10 plants at random, one sample per plant |
| RHS Chart - edition | 1986 |

Origin and Breeding

Spontaneous mutation: 'Scarlet Ribbon'. The new variety arose as a naturally occurring branch mutation on 'Scarlet Ribbon'. The parent variety is characterised by fine pubescence on new stems, leaves and perianth. Selection took place at Monbulk, VIC. Selection criteria: colour of flower mass deep red, pubescence on perianth absent or very weak, new leaves and shoots, colouration on the exposed side of flower stems red. Propagation: vegetative. Breeder: Andrew Mathews, Proteaflora Enterprises Pty Ltd, Monbulk, VIC.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|-------------------------|------------------|--|
| Leaf | shape | oblong |
| Flower | main colour | red |
| Style | colour of middle | orange |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|------------------|-----------------|
| 'Scarlet Ribbon' | parent variety |

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

| Organ/Plant Part: Context | 'Lance' | 'Scarlet Ribbon' |
|---|--------------------------|--------------------------|
| <input type="checkbox"/> *Plant: growth habit | erect | erect |
| <input type="checkbox"/> Plant: height | medium | medium |
| <input type="checkbox"/> Plant: diameter | medium | medium |
| <input type="checkbox"/> Plant: density of foliage | medium | medium |
| <input type="checkbox"/> *Plant: lignotuber | absent | absent |
| <input type="checkbox"/> Main stem: colour (non lignotuberos varieties only) | brown | brown |
| <input type="checkbox"/> Leaf: blade always upright | present | absent |
| <input type="checkbox"/> Leaf: predominant attitude in relation to branch | oblique | oblique |
| <input type="checkbox"/> Leaf: length | medium | medium |
| <input type="checkbox"/> Leaf: width | narrow | narrow |
| <input type="checkbox"/> *Leaf: position of broadest part | along most of its length | along most of its length |
| <input type="checkbox"/> *Leaf: shape of apex | acute | acute |
| <input type="checkbox"/> *Leaf: shape of base | acute | acute |
| <input type="checkbox"/> Leaf: shape in cross section | more or less straight | more or less straight |
| <input type="checkbox"/> Leaf: colour | yellow green | yellow green |
| <input type="checkbox"/> Leaf: pubescence of blade | inconspicuous | inconspicuous |
| <input type="checkbox"/> *Leaf: incisions on distal part | present | present |
| <input type="checkbox"/> *Leaf: number of incisions on distal part | medium | medium |
| <input type="checkbox"/> *Leaf: depth of incisions on distal part | medium | medium |
| <input type="checkbox"/> Leaf: colour of callus on teeth | reddish | reddish |
| <input type="checkbox"/> Leaf: undulation of margin | absent | present |
| <input type="checkbox"/> Leaf: conspicuous colour of margin | greenish | greenish |
| <input type="checkbox"/> Leaf: fringe on margin | absent | absent |
| <input type="checkbox"/> *Leaf: petiole | absent | absent |
| <input type="checkbox"/> Flowering branch: length | medium | medium |
| <input type="checkbox"/> Flowering branch: thickness | thin to medium | medium |
| <input type="checkbox"/> Flowering branch: rigidity | medium | medium |
| <input checked="" type="checkbox"/> Flowering branch: pubescence | inconspicuous | conspicuous |
| <input checked="" type="checkbox"/> Flowering branch: predominant colour | reddish | greenish |
| <input type="checkbox"/> *Flowering branch: clustering of fully developed flower heads | sometimes presents | sometimes present |
| <input type="checkbox"/> Flowering branch: number of fully developed flower heads per cluster | 2 to 3 | 2 to 3 |
| <input type="checkbox"/> Flower head: length of narrowed basal part | medium | medium |
| <input type="checkbox"/> *Flower head: length | short to medium | medium |

| | | | |
|-------------------------------------|--|-----------------|-----------------|
| <input type="checkbox"/> | *Flower head: diameter | small to medium | medium |
| <input type="checkbox"/> | *Flower head: predominant colour | red | red |
| <input type="checkbox"/> | *Flower head: texture of involucre bract | cartilaginous | cartilaginous |
| <input type="checkbox"/> | Flower head: pubescence of involucre bract | conspicuous | conspicuous |
| <input type="checkbox"/> | *Flower head: diameter of perianth mass | medium | medium |
| <input type="checkbox"/> | Floret: length of perianth | short to medium | medium |
| <input checked="" type="checkbox"/> | Floret: pubescence on apex of bud | inconspicuous | conspicuous |
| <input type="checkbox"/> | *Floret: colour of apex of bud | reddish | reddish |
| <input type="checkbox"/> | *Floret: colour of perianth below apex of bud | red | red |
| <input type="checkbox"/> | *Floret: colour of rolled up perianth segments | red | red |
| <input type="checkbox"/> | Floret: intensity of colour of rolled up perianth segments | dark | dark |
| <input type="checkbox"/> | Floret: length of style | short to medium | medium |
| <input type="checkbox"/> | Floret: degree of curvature of style | weak | weak |
| <input type="checkbox"/> | Floret: thickness of style | thin to medium | thin to medium |
| <input type="checkbox"/> | *Floret: attitude of basal part of style in relation to receptacle | oblique | oblique |
| <input type="checkbox"/> | *Floret: colour of middle part of style | orange | orange |
| <input type="checkbox"/> | Floret: intensity of colour of middle part of style | light to medium | light to medium |
| <input type="checkbox"/> | Floret: length of pollen presenter | medium | medium |
| <input type="checkbox"/> | *Floret: shape of pollen presenter in lateral view | triangular | triangular |
| <input checked="" type="checkbox"/> | Floret: colour of pollen presenter | orange | red |
| <input type="checkbox"/> | Floret: intensity of colour of pollen presenter | medium | medium |
| <input type="checkbox"/> | *Time of: flowering | early to medium | early to medium |

Characteristics Additional to the Descriptor/TG

| Organ/Plant Part: Context | ‘Lance’ | ‘Scarlet Ribbon’ |
|---|---------------------------|--------------------------|
| <input checked="" type="checkbox"/> Flowering branch: predominant colour (exposed side) | greyed purple RHS 184A | yellow green RHS 146D |
| <input type="checkbox"/> Floret: colour of middle part of style | orange RHS 26B | orange RHS 26B |
| <input type="checkbox"/> Floret: colour of rolled up perianth segments | red RHS 53A | red RHS 53A |
| <input type="checkbox"/> Floret: colour of pollen presenter | red RHS 42B | red RHS 42B |
| <input checked="" type="checkbox"/> Young leaf: density of pubescence | absent or very weak | medium |

Statistical Table

| Organ/Plant Part: Context | ‘Lance’ | ‘Scarlet Ribbon’ |
|--|----------------|-------------------------|
| <input checked="" type="checkbox"/> Plant: number of stems with inflorescences | | |
| Mean | 7.00 | 4.60 |
| Std. Deviation | 1.41 | 1.26 |
| LSD/sig | 1.53 | P≤0.01 |

| | | |
|--|-------|--------|
| ☑ Flower head: diameter of perianth mass | | |
| Mean | 58.33 | 67.50 |
| Std. Deviation | 1.76 | 2.79 |
| LSD/sig | 2.67 | P≤0.01 |
| ☑ Floret: length of perianth | | |
| Mean | 31.10 | 36.40 |
| Std. Deviation | 1.97 | 2.63 |
| LSD/sig | 2.75 | P≤0.01 |
| ☑ Flower head: length of perianth mass | | |
| Mean | 52.90 | 63.80 |
| Std. Deviation | 2.88 | 2.78 |
| LSD/sig | 3.21 | P≤0.01 |

Prior Applications and Sales

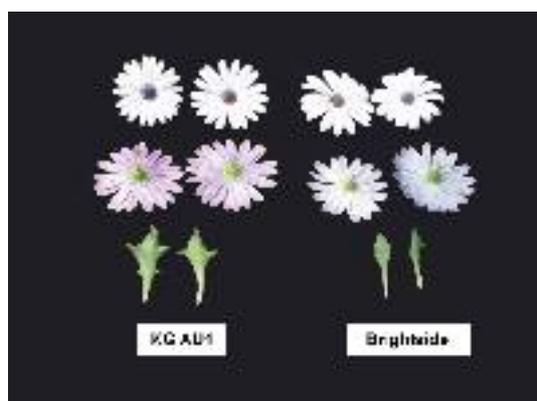
Nil.

Description: **Paul Armitage**, Proteaflora Enterprises Pty Ltd, Monbulk, VIC.

Plant Varieties Journal - Search Result Details

Cape Daisy (*Osteospermum fruticosum*)**Variety:** 'Kakegawa AU1'**Synonym:** White Mist**Application no:** 2003/246**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 08-Sep-2003**Accepted:** 10-Dec-2003**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Varieties Journal:****Title Holder:** Sakata Seed Corporation**Agent:** Ramm Botanicals Holdings Pty Ltd**Telephone:** 0243512099**Fax:** 0243531875

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|--|
| Application Number | 2003/246 |
| Variety Name | 'Kakegawa AU1' |
| Genus Species | <i>Osteospermum fruticosum</i> |
| Common Name | Cape Daisy |
| Synonym | White Mist |
| Accepted Date | 10 Dec 2003 |
| Applicant | Sakata Seed Corporation, Yokohama, Japan. |
| Agent | Ramm Botanicals Holdings Pty Ltd, Tuggerah, NSW. |
| Qualified Person | Ian Paananen |

Details of Comparative Trial

| | |
|----------------------------|---|
| Location | Tuggerah, NSW |
| Descriptor | Osteospermum (TG/176/3) |
| Period | May 2005 to Sept 2005 |
| Conditions | Trial conducted in a plastic tunnel house, plants propagated from cuttings, rooted cuttings planted into 200mm pots filled with soilless potting mix, nutrition maintained with slow release fertilisers and drip irrigated, no pest or disease treatments were required. |
| Trial Design | Fifteen pots of each variety arranged in a completely randomised design. |
| Measurements | From ten plants at random. One sample per plant. |
| RHS Chart - edition | 1995 |

Origin and Breeding

Controlled pollination: seed parent 'Line 474' x pollen parent 'Line 247'. The seed parent is characterised by a long duration of flower opening and the pollen parent is characterised by small, rose bicoloured flowers. Selection took place at the Chogo Research Station of Sakata Seed Corp, Japan. Selection criteria: large flowers staying open in low light. Propagation: stock plants generated vegetatively through micropropagation and cuttings found to be uniform and stable. Breeder: Masao Kanno, Japan.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|-------------------------|--------------------------------|--|
| Inflorescence | shape of ray floret | elliptic |
| Ray floret | colour of middle of upper side | white |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|--------------|-----------------|
| 'Brightside' | |

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

| Organ/Plant Part: Context | ‘Kakegawa AU1’ | ‘Brightside’ |
|--|-----------------------|---------------------|
| <input type="checkbox"/> *Plant: attitude of shoots | erect | erect |
| <input checked="" type="checkbox"/> *Shoot: length | medium | medium to long |
| <input checked="" type="checkbox"/> *Leaf: length | medium to long | medium |
| <input checked="" type="checkbox"/> *Leaf: width | medium to broad | medium |
| <input type="checkbox"/> Leaf: degree of lobing | strong | strong |
| <input type="checkbox"/> *Leaf: variegation | absent | absent |
| <input type="checkbox"/> Leaf: green colour of upper side (only varieties without variegation) | medium | medium |
| <input type="checkbox"/> *Inflorescence: number of complete ray floret whorls | only one | only one |
| <input type="checkbox"/> *Inflorescence: presence of incomplete ray floret whorls | absent | absent |
| <input type="checkbox"/> *Inflorescence: diameter | medium | medium |
| <input type="checkbox"/> *Inflorescence: shape of ray floret | elliptic only | elliptic only |
| <input type="checkbox"/> Ray floret: length | medium | medium |
| <input type="checkbox"/> Ray floret: width | medium | medium |
| <input type="checkbox"/> *Ray floret: colour of margin of upper side (RHS colour chart) | ca 155D | ca 155D |
| <input type="checkbox"/> *Ray floret: colour of middle of upper side (RHS colour chart) | ca 155D | ca 155D |
| <input type="checkbox"/> *Ray floret: colour of base of upper side (RHS colour chart) | ca 155D | ca 155D |
| <input checked="" type="checkbox"/> *Ray floret: main colour of middle of lower side | red purple | violet blue |
| <input checked="" type="checkbox"/> *Disc: colour | violet | dark blue |
| <input type="checkbox"/> Time of: beginning of flowering | medium | medium |

Characteristics Additional to the Descriptor/TG

| Organ/Plant Part: Context | ‘Kakegawa AU1’ | ‘Brightside’ |
|---|-----------------------|---------------------|
| <input checked="" type="checkbox"/> Ray floret: colour of stripes on lower side (RHS) | 90B | 97A |

Statistical Table

| Organ/Plant Part: Context | ‘Kakegawa AU1’ | ‘Brightside’ |
|---|-----------------------|---------------------|
| <input checked="" type="checkbox"/> Inflorescence: diameter | | |
| Mean | 62.90 | 57.00 |
| Std. Deviation | 3.20 | 2.00 |
| LSD/sig | 3.02 | P≤0.01 |
| <input type="checkbox"/> Ray floret: length | | |
| Mean | 28.00 | 26.60 |
| Std. Deviation | 1.20 | 1.60 |
| LSD/sig | 1.61 | ns |
| <input type="checkbox"/> Ray floret: width | | |

| | | |
|----------------|------|------|
| Mean | 7.70 | 8.20 |
| Std. Deviation | 0.30 | 0.60 |
| LSD/sig | 0.51 | ns |

Prior Applications and Sales

| Country | Year | Current Status | Name Applied |
|----------------|-------------|-----------------------|---------------------|
| Japan | 2000 | Granted | 'Kakegawa AU1' |
| USA | 2000 | Granted | 'Kakegawa AU1' |
| Canada | 2002 | Applied | 'Kakegawa AU1' |

First sold in the USA in Oct 1999.

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

Plant Varieties Journal - Search Result Details

Cape Daisy (*Osteospermum fruticosum*)**Variety:** 'Kakegawa AU2'**Synonym:** Blush Mist**Application no:** 2003/247**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 08-Sep-2003**Accepted:** 10-Dec-2003**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Varieties Journal:****Title Holder:** Sakata Seed Corporation**Agent:** Ramm Botanicals Holdings Pty Ltd**Telephone:** 0243512099**Fax:** 0243531875

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|--|
| Application Number | 2003/247 |
| Variety Name | 'Kakegawa AU2' |
| Genus Species | <i>Osteospermum fruticosum</i> |
| Common Name | Cape Daisy |
| Synonym | Blush Mist |
| Accepted Date | 10 Dec 2003 |
| Applicant | Sakata Seed Corporation, Yokohama, Japan. |
| Agent | Ramm Botanicals Holdings Pty Ltd, Tuggerah, NSW. |
| Qualified Person | Ian Paananen |

Details of Comparative Trial

| | |
|----------------------------|---|
| Location | Tuggerah, NSW |
| Descriptor | Osteospermum (TG/176/3) |
| Period | May 2005 to Sep 2005 |
| Conditions | Trial conducted in a plastic tunnel house, plants propagated from cuttings, rooted cuttings planted into 200mm pots filled with soilless potting mix, nutrition maintained with slow release fertilisers and drip irrigated, no pest or disease treatments were required. |
| Trial Design | Fifteen pots of each variety arranged in a completely randomised design. |
| Measurements | From ten plants at random. One sample per plant. |
| RHS Chart - edition | 1995 |

Origin and Breeding

Controlled pollination: seed parent 'Line 303' x pollen parent 'Line B-27'. The seed parent is characterised by a long duration of flower opening and rose coloured flowers and the pollen parent is characterised by a light pink flower colour. Selection took place at the Chogo Research Station of Sakata Seed Corp, Japan. Selection criteria: large flowers staying open in low light. Propagation: stock plants generated vegetatively through micropropagation and cuttings found to be uniform and stable. Breeder: Masao Kanno, Japan.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|-------------------------|--------------------------------|--|
| Inflorescence | shape of ray floret | elliptic only |
| Ray floret | colour of middle of upper side | pink fading to white at base |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|-------------|-----------------|
| 'Seaside' | |

Varieties of Common Knowledge identified and subsequently excluded

| Variety | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments |
|------------|---|--|---|---|
| 'Highside' | Ray floret colour of middle of upper side | medium pink | dark pink | also has a weaker change to basal whitening |

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

| Organ/Plant Part: Context | 'Kakegawa AU2' | 'Seaside' |
|--|---|----------------------------------|
| <input type="checkbox"/> *Plant: attitude of shoots | erect | erect |
| <input type="checkbox"/> *Shoot: length | medium | medium |
| <input type="checkbox"/> *Leaf: length | medium | medium |
| <input checked="" type="checkbox"/> *Leaf: width | medium to broad | medium |
| <input type="checkbox"/> Leaf: degree of lobing | strong | strong |
| <input type="checkbox"/> *Leaf: variegation | absent | absent |
| <input type="checkbox"/> Leaf: green colour of upper side (only varieties without variegation) | medium | medium |
| <input type="checkbox"/> *Inflorescence: number of complete ray floret whorls | only one | only one |
| <input type="checkbox"/> *Inflorescence: presence of incomplete ray floret whorls | absent | absent |
| <input type="checkbox"/> *Inflorescence: diameter | medium | medium |
| <input type="checkbox"/> *Inflorescence: shape of ray floret | elliptic only | elliptic only |
| <input type="checkbox"/> Ray floret: length | medium | medium |
| <input type="checkbox"/> Ray floret: width | medium | medium |
| <input checked="" type="checkbox"/> *Ray floret: colour of margin of upper side (RHS colour chart) | 70B | 66D |
| <input checked="" type="checkbox"/> *Ray floret: colour of middle of upper side (RHS colour chart) | 70B | 66D |
| <input checked="" type="checkbox"/> *Ray floret: colour of base of upper side (RHS colour chart) | 155D, plus inconspicuous purple at base | 155D with base 78B (conspicuous) |
| <input type="checkbox"/> *Ray floret: main colour of middle of lower side | red purple | red purple |
| <input type="checkbox"/> *Disc: colour | dark blue | dark blue |
| <input type="checkbox"/> Time of: beginning of flowering | medium | medium |

Statistical Table

| Organ/Plant Part: Context | 'Kakegawa AU2' | 'Seaside' |
|---|----------------|-----------|
| <input checked="" type="checkbox"/> Inflorescence: diameter | | |
| Mean | 54.70 | 60.20 |
| Std. Deviation | 1.30 | 4.20 |

| | | |
|--|-------|--------|
| LSD/sig | 3.52 | P≤0.01 |
| <input checked="" type="checkbox"/> Ray floret: length | | |
| Mean | 24.20 | 28.20 |
| Std. Deviation | 0.30 | 2.20 |
| LSD/sig | 1.78 | P≤0.01 |
| <input type="checkbox"/> Ray floret: width | | |
| Mean | 7.60 | 7.80 |
| Std. Deviation | 0.10 | 0.40 |
| LSD/sig | 0.36 | ns |

Prior Applications and Sales

| Country | Year | Current Status | Name Applied |
|----------------|-------------|-----------------------|---------------------|
| Japan | 2000 | Granted | 'Kakegawa AU2' |
| USA | 2000 | Granted | 'Kakegawa AU2' |
| Canada | 2002 | Applied | 'Kakegawa AU2' |

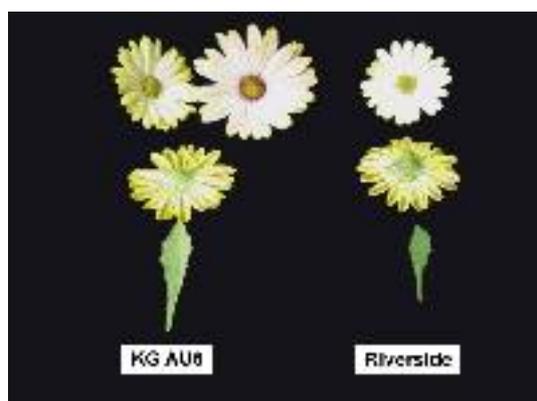
First sold in the USA in Oct 1999.

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

Plant Varieties Journal - Search Result Details

Cape Daisy (*Osteospermum fruticosum*)**Variety:** 'Kakegawa AU6'**Synonym:** Lemon Mist**Application no:** 2003/249**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 08-Sep-2003**Accepted:** 10-Dec-2003**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Varieties Journal:****Title Holder:** Sakata Seed Corporation**Agent:** Ramm Botanicals Holdings Pty Ltd**Telephone:** 0243512099**Fax:** 0243531875

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|--|
| Application Number | 2003/249 |
| Variety Name | 'Kakegawa AU6' |
| Genus Species | <i>Osteospermum fruticosum</i> |
| Common Name | Cape Daisy |
| Synonym | Lemon Mist |
| Accepted Date | 10 Dec 2003 |
| Applicant | Sakata Seed Corporation, Yokohama, Japan. |
| Agent | Ramm Botanicals Holdings Pty Ltd, Tuggerah, NSW. |
| Qualified Person | Ian Paananen |

Details of Comparative Trial

| | |
|----------------------------|---|
| Location | Tuggerah, NSW |
| Descriptor | Osteospermum (TG/176/3) |
| Period | May 2005 to Sep 2005 |
| Conditions | Trial conducted in a plastic tunnel house, plants propagated from cuttings, rooted cuttings planted into 200mm pots filled with soilless potting mix, nutrition maintained with slow release fertilisers and drip irrigated, no pest or disease treatments were required. |
| Trial Design | Fifteen pots of each variety arranged in a completely randomised design. |
| Measurements | From ten plants at random. One sample per plant. |
| RHS Chart - edition | 1995 |

Origin and Breeding

Controlled pollination: seed parent 'Line 573' x pollen parent 'Line 601'. The parents are characterised by a long duration of flower opening. Selection took place at the Chogo Research Station of Sakata Seed Corp, Japan. Selection criteria: large flowers staying open in low light and yellow floret colour. Propagation: stock plants were generated vegetatively through micropropagation and cuttings were found to be uniform and stable. Breeder: Masao Kanno, Japan.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|-------------------------|--------------------------------|--|
| Inflorescence | shape of ray floret | elliptic only |
| Ray floret | colour of middle of upper side | yellow |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|-------------|-----------------|
| 'Riverside' | |

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

| Organ/Plant Part: Context | ‘Kakegawa AU6’ ‘Riverside’ | |
|--|-----------------------------------|-----------------|
| <input type="checkbox"/> *Plant: attitude of shoots | erect | erect |
| <input checked="" type="checkbox"/> *Shoot: length | long | medium |
| <input checked="" type="checkbox"/> *Leaf: length | medium to long | medium |
| <input checked="" type="checkbox"/> *Leaf: width | medium to broad | medium |
| <input checked="" type="checkbox"/> Leaf: degree of lobing | weak to medium | medium |
| <input type="checkbox"/> *Leaf: variegation | absent | absent |
| <input type="checkbox"/> Leaf: green colour of upper side (only varieties without variegation) | light to medium | medium |
| <input type="checkbox"/> *Inflorescence: number of complete ray floret whorls | only one | only one |
| <input type="checkbox"/> *Inflorescence: presence of incomplete ray floret whorls | absent | absent |
| <input checked="" type="checkbox"/> *Inflorescence: diameter | large | medium |
| <input type="checkbox"/> *Inflorescence: shape of ray floret | elliptic only | elliptic only |
| <input checked="" type="checkbox"/> Ray floret: length | long | medium |
| <input type="checkbox"/> Ray floret: width | medium | medium |
| <input type="checkbox"/> *Ray floret: colour of margin of upper side (RHS colour chart) | 9A | 9A |
| <input type="checkbox"/> *Ray floret: colour of middle of upper side (RHS colour chart) | 8C fading to 8D | 8C fading to 8D |
| <input type="checkbox"/> *Ray floret: colour of base of upper side (RHS colour chart) | 8C fading to 8D | 8C fading to 8D |
| <input type="checkbox"/> *Ray floret: main colour of middle of lower side | yellow | yellow |
| <input type="checkbox"/> *Disc: colour | yellow | yellow |
| <input checked="" type="checkbox"/> Time of: beginning of flowering | medium | late |

Characteristics Additional to the Descriptor/TG

| Organ/Plant Part: Context | ‘Kakegawa AU6’ ‘Riverside’ | |
|--|-----------------------------------|------|
| <input type="checkbox"/> Ray floret: colour of stripes on lower side (RHS) | 165A | 165A |

Statistical Table

| Organ/Plant Part: Context | ‘Kakegawa AU6’ ‘Riverside’ | |
|---|-----------------------------------|--------|
| <input checked="" type="checkbox"/> Inflorescence: diameter | | |
| Mean | 68.20 | 56.30 |
| Std. Deviation | 2.60 | 1.90 |
| LSD/sig | 2.61 | P<0.01 |
| <input checked="" type="checkbox"/> Ray floret: ray floret | | |
| Mean | 31.80 | 23.60 |
| Std. Deviation | 1.20 | 2.00 |
| LSD/sig | 1.89 | P<0.01 |
| <input checked="" type="checkbox"/> Ray floret: width | | |

| | | |
|----------------|------|--------|
| Mean | 8.80 | 6.30 |
| Std. Deviation | 0.60 | 0.50 |
| LSD/sig | 0.59 | P≤0.01 |

Prior Applications and Sales

| Country | Year | Current Status | Name Applied |
|----------------|-------------|-----------------------|---------------------|
| USA | 2000 | Granted | 'Kakegawa AU6' |
| Canada | 2002 | Applied | 'Kakegawa AU6' |

First sold in the USA in Oct 1999.

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

Plant Varieties Journal - Search Result Details

Cape Daisy (*Osteospermum fruticosum*)**Variety:** 'Kakegawa AU3'**Synonym:** Purple Mist**Application no:** 2003/248**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 08-Sep-2003**Accepted:** 10-Dec-2003**Granted:** N/A**Description published in Plant** Volume 18, Issue 4**Varieties Journal:****Title Holder:** Sakata Seed Corporation**Agent:** Ramm Botanicals Holdings Pty Ltd**Telephone:** 0243512099**Fax:** 0243531875

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|--|
| Application Number | 2003/248 |
| Variety Name | 'Kakegawa AU3' |
| Genus Species | <i>Osteospermum fruticosum</i> |
| Common Name | Cape Daisy |
| Synonym | Purple Mist |
| Accepted Date | 10 Dec 2003 |
| Applicant | Sakata Seed Corporation, Yokohama, Japan. |
| Agent | Ramm Botanicals Holdings Pty Ltd, Tuggerah, NSW. |
| Qualified Person | Ian Paananen |

Details of Comparative Trial

| | |
|----------------------------|---|
| Location | Tuggerah, NSW |
| Descriptor | Osteospermum (TG/176/3) |
| Period | May 2005 to Sep 2005 |
| Conditions | Trial conducted in a plastic tunnel house, plants propagated from cuttings, rooted cuttings planted into 200mm pots filled with soilless potting mix, nutrition maintained with slow release fertilisers and drip irrigated, no pest or disease treatments were required. |
| Trial Design | Fifteen pots of each variety arranged in a completely randomised design. |
| Measurements | From ten plants at random. One sample per plant. |
| RHS Chart - edition | 1995 |

Origin and Breeding

Controlled pollination: seed parent 'line 697' x pollen parent 'line 137'. The parents are characterised by a long duration of flower opening. Selection took place at the Chogo Research Station of Sakata Seed Corp, Japan. Selection criteria: large flowers staying open in low light and purple floret colour. Propagation: stock plants generated vegetatively through micropropagation and cuttings are found to be uniform and stable. Breeder: Masao Kanno, Japan.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|-------------------------|--------------------------------|--|
| Inflorescence | shape of ray floret | elliptic only |
| Ray floret | colour of middle of upper side | purple |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|-------------|-----------------|
| 'Wildside' | |

Varieties of Common Knowledge identified and subsequently excluded

| Variety | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety |
|----------------|---------------------------------------|---|--|
| 'Picton' | Inflorescence diameter | medium | small |

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

| Organ/Plant Part: Context | ‘Kakegawa AU3’ | ‘Wildside’ |
|--|-----------------------|----------------------|
| <input type="checkbox"/> *Plant: attitude of shoots | erect | erect |
| <input type="checkbox"/> *Shoot: length | medium | medium |
| <input type="checkbox"/> *Leaf: length | medium to long | medium to long |
| <input type="checkbox"/> *Leaf: width | medium to broad | medium to broad |
| <input checked="" type="checkbox"/> Leaf: degree of lobing | medium to strong | medium to strong |
| <input type="checkbox"/> *Leaf: variegation | absent | absent |
| <input type="checkbox"/> Leaf: green colour of upper side (only varieties without variegation) | medium | medium |
| <input type="checkbox"/> *Inflorescence: number of complete ray floret whorls | only one | only one |
| <input type="checkbox"/> *Inflorescence: presence of incomplete ray floret whorls | absent | absent |
| <input type="checkbox"/> *Inflorescence: diameter | medium to large | small to medium |
| <input type="checkbox"/> *Inflorescence: shape of ray floret | elliptic only | elliptic only |
| <input checked="" type="checkbox"/> Ray floret: length | medium | short to medium |
| <input checked="" type="checkbox"/> Ray floret: width | medium | medium to broad |
| <input type="checkbox"/> *Ray floret: colour of margin of upper side (RHS colour chart) | 72A stripes over 72B | 72A stripes over 72B |
| <input type="checkbox"/> *Ray floret: colour of middle of upper side (RHS colour chart) | 72A stripes over 72B | 72A stripes over 72B |
| <input type="checkbox"/> *Ray floret: colour of base of upper side (RHS colour chart) | 72A stripes over 72B | 72A stripes over 72B |
| <input type="checkbox"/> *Ray floret: main colour of middle of lower side | red purple | red purple |
| <input type="checkbox"/> *Disc: colour | purple | purple |
| <input checked="" type="checkbox"/> Time of: beginning of flowering | medium | late |

Characteristics Additional to the Descriptor/TG

| Organ/Plant Part: Context | ‘Kakegawa AU3’ | ‘Wildside’ |
|--|-----------------------|----------------------|
| <input type="checkbox"/> Ray floret: colour of stripes on lower side (RHS) | 79A stripes over 72C | 79A stripes over 72C |

Statistical Table

| Organ/Plant Part: Context | ‘Kakegawa AU3’ | ‘Wildside’ |
|---|-----------------------|-------------------|
| <input checked="" type="checkbox"/> Inflorescence: diameter | | |
| Mean | 56.00 | 44.90 |
| Std. Deviation | 3.40 | 1.30 |
| LSD/sig | 2.93 | P≤0.01 |
| <input checked="" type="checkbox"/> Ray floret: length | | |
| Mean | 25.80 | 21.80 |
| Std. Deviation | 1.70 | 1.90 |

| | | |
|--|------|--------|
| LSD/sig | 2.04 | P≤0.01 |
| <input type="checkbox"/> Ray floret: width | | |
| Mean | 6.70 | 7.30 |
| Std. Deviation | 0.30 | 0.60 |
| LSD/sig | 0.54 | ns |

Prior Applications and Sales

| Country | Year | Current Status | Name Applied |
|----------------|-------------|-----------------------|---------------------|
| Japan | 2000 | Granted | 'Kakegawa AU3' |
| USA | 2000 | Granted | 'Kakegawa AU3' |
| Canada | 2002 | Applied | 'Kakegawa AU3' |

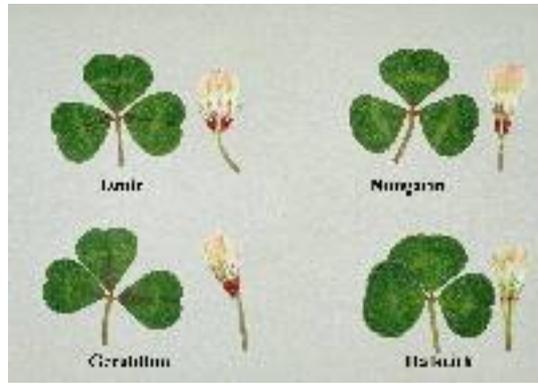
First sold in the USA in Oct 1999.

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

Plant Varieties Journal - Search Result Details

Subterranean Clover (*Trifolium subterraneum* var. *subterraneum*)**Variety:** 'Izmir'**Synonym:** N/A**Application no:** 2003/204**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 11-Aug-2003**Accepted:** 24-Nov-2003**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Title Holder:** State of Western Australia through its Department of Agriculture, Grains Research and Development Corporation, Murdoch University and Australian Wool Innovation Limited**Agent:** State of Western Australia through its Department of Agriculture**Telephone:** 0893683347**Fax:** (08) 9368 3946

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|---|
| Application Number | 2003/204 |
| Variety Name | 'Izmir' |
| Genus Species | <i>Trifolium subterraneum</i> var. <i>subterraneum</i> |
| Common Name | Subterranean Clover |
| Synonym | |
| Accepted Date | 24 Nov 2003 |
| Applicant | State of Western Australia through its Department of Agriculture, South Perth, WA and Grains Research and Development Corporation, Barton, ACT and Murdoch University, Murdoch, WA and Australian Wool Innovation Limited, Sydney, NSW. |
| Agent | State of Western Australia through its Department of Agriculture, South Perth, WA. |
| Qualified Person | Phillip Nichols |

Details of Comparative Trial

| | |
|----------------------------|--|
| Location | University of Western Australia Field Station, Shenton Park, Western Australia (31°57' south, 115°47' east, 21m elevation) |
| Descriptor | TG/170/3 Subterranean Clover (<i>Trifolium subterraneum</i>) |
| Period | May 2003 - Jun 2004 |
| Conditions | Plants germinated in peat pots in the glasshouse in early May, transplanted to the field in mid-June, undefoliated throughout the season, hand-weeded, irrigated when necessary. |
| Trial Design | Completely randomised block with 4 replications and up to 10 individuals per treatment (spaced 1m apart). Two generations of 'Izmir' (2001 and 2002 seed) were sown as individual treatments. The original source population from which 'Izmir' was selected ('CIZ008') was included to provide evidence of breeding. 'CIZ008' plots contained one each of the 10 genotypes isolated from the original population in a randomised order. |
| Measurements | Measurements were taken on all plants. |
| RHS Chart - edition | Nil |

Origin and Breeding

Single plant selection: derived from the wild population 'CIZ008', collected in Jun 1987 by C.M. Francis near the village of Emiralem in Izmir province, Turkey. Ten distinct subterranean clover genotypes were isolated from the population in 1988 at South Perth, with 'Izmir' (originally known as 'CIZ008Sub-G') being one of them. Field evaluation commenced in 1991 in Western Australia, New South Wales, South Australia, Victoria and Queensland as part of the National Annual Pasture Legume Improvement Program (NAPLIP). Testing was conducted under the code-name of SE008. 'Izmir' was selected for release as a new cultivar in Jul 2001 by P.G.H. Nichols and B.J. Nutt (Department of Agriculture Western Australia), G.A. Sandral and B.S. Dear (New South Wales Agriculture), C.T. de Koning and A.D. Craig (South Australian Agricultural Research and Development Institute), P.M. Evans (Agriculture Victoria), and D.L. Lloyd (Queensland Department of Primary Industries). Selection criteria: early flowering, high hardseededness, low formononetin content, greater herbage production and persistence than cultivar 'Nungarin' and high

seed production. 'Izmir' is the most hardseeded of the 10 genotypes from the original 'CIZ008' population and has significantly higher levels of genistein and lower levels of biochanin A than the population mean. It is also the only genotype from the 'CIZ008' population matching the morphological description in the table of comparators. Propagation: seed. Breeder: P.G.H. Nichols, Department of Agriculture WA, South Perth, WA.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|------------------|----------------------------|---|
| Flower | time to start of flowering | very early to early |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|-------------|---|
| 'Nungarin' | Closest comparator in terms of very early flowering |
| 'Dalkeith' | Widely sown early flowering cultivar |
| 'Geraldton' | Most similar morphologically to 'Izmir' |
| 'CIZ008' | The original source population from which 'Izmir' was selected, to provide evidence of breeding |

Varieties of Common Knowledge identified and subsequently excluded

| Variety | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety |
|-------------|--------------------------------|--|---|
| 'Dawlganup' | Leaf formononetin content | very low | high |
| 'Northam' | Leaflet pattern of mark | C3(A1) | B1 |

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

| Organ/Plant Part: Context | 'Izmir' | 'CIZ008' | 'Dalkeith' | 'Geraldton' | 'Nungarin' |
|---|-------------------------------|----------|-------------------------------|-------------------------------|-------------------------------|
| <input checked="" type="checkbox"/> Leaf: hairiness of petiole | weak | weak | medium | medium | medium |
| <input checked="" type="checkbox"/> *Leaflet: pattern of mark | a pair of arms and a crescent | | a pair of arms and a crescent | a single transverse band only | a single transverse band only |
| <input checked="" type="checkbox"/> Leaflet: width of arms (only for varieties with arms) | narrow | | narrow | | |
| <input type="checkbox"/> Leaflet: clarity of arms (only for varieties with arms) | faint | | clear | | |
| <input type="checkbox"/> Leaflet: colour of arms (only for varieties with arms) | white | | white | | |
| <input type="checkbox"/> Leaflet: position of crescent (only for varieties with | central | | central | | |

| | | | | | | |
|--|---|-----------------------------|---------------------|---|---------------------|--|
| crescent) | | | | | | |
| <input type="checkbox"/> Leaflet: position of arms relative to crescent (only for varieties with both a crescent and arms) | arms both adjacent and beneath crescent | | | arms both adjacent and beneath crescent | | |
| <input checked="" type="checkbox"/> Leaflet: base of crescent (only for varieties with crescent) | Type C3 | | | Type C2 | | |
| <input type="checkbox"/> Leaflet: colour of crescent (only for varieties with crescent) | medium green | | | medium green | | |
| <input checked="" type="checkbox"/> Leaflet: indentation of distal margin | medium to strong | weak to medium | medium | medium to strong | weak to medium | |
| <input checked="" type="checkbox"/> Leaflet: degree of anthocyanin flecks | absent or very weak | absent or very weak to weak | weak | weak | absent or very weak | |
| <input checked="" type="checkbox"/> Leaflet: degree of flush | medium to strong | medium | absent or very weak | weak to medium | weak | |
| <input checked="" type="checkbox"/> Leaflet: predominant location of flush | along midrib and around leaf mark | | | along midrib and around leaf mark | along midrib only | |
| <input checked="" type="checkbox"/> Leaflet: degree of hairiness of upper surface | strong | | | medium | strong | |
| <input checked="" type="checkbox"/> Leaf: level of formononetin before start of flowering | very low | low | very low | high | very low | |
| <input checked="" type="checkbox"/> Leaf: level of genistein before start of flowering | high | medium to high | medium | low to medium | medium | |
| <input checked="" type="checkbox"/> Leaf: level of biochanin A before the start of flowering | low to medium | medium to high | very low | high | high | |
| <input checked="" type="checkbox"/> Stipules: degree of anthocyanin colouration | weak to medium | weak to medium | weak | weak | weak | |
| <input checked="" type="checkbox"/> *Time of: start of flowering | very early | very early | early | early | very early | |
| <input type="checkbox"/> *Calyx tube: hue | present | present | present | present | present | |

| | | | | | |
|---|---------------------------------|-------------------|--------------------------|---------------------------------|---------------------------------|
| <input checked="" type="checkbox"/> *Calyx tube: colour of hue | purplish red | | pinkish red | purplish red | purplish red |
| <input checked="" type="checkbox"/> *Calyx tube: distribution of colouration | on upper three-quarters of tube | | on upper quarter of tube | on upper three-quarters of tube | on upper three-quarters of tube |
| <input checked="" type="checkbox"/> Peduncle: degree of hairiness | strong | strong | strong | medium | strong |
| <input type="checkbox"/> *Stem (runner): degree of hairiness | strong | strong | strong | strong | strong |
| <input type="checkbox"/> *Seed: colour | black | black | black | black | black |
| <input checked="" type="checkbox"/> *Seed: hard seed breakdown over four months | very slow | very slow to slow | very slow to slow | slow | very slow to slow |

Statistical Table

| Organ/Plant Part: Context | 'Izmir' | 'CIZ008' | 'Dalkeith' | 'Geraldton' | 'Nungarin' |
|---|----------------|-----------------|-------------------|--------------------|-------------------|
| <input checked="" type="checkbox"/> Flower: time to first flowering | | | | | |
| Mean | 81.86 | 78.41 | 96.09 | 91.06 | 80.39 |
| Std. Deviation | 4.06 | 8.28 | 7.13 | 6.63 | 6.44 |
| LSD/sig | 4.08 | ns | P≤0.01 | P≤0.01 | ns |
| <input checked="" type="checkbox"/> Leaf: level of formononetin | | | | | |
| Mean | 0.04 | 0.18 | 0.03 | 1.20 | 0.07 |
| Std. Deviation | 0.03 | 0.41 | 0.04 | 0.26 | 0.05 |
| LSD/sig | 0.155 | ns | ns | P≤0.01 | ns |
| <input checked="" type="checkbox"/> Leaf: level of genistein | | | | | |
| Mean | 0.96 | 0.64 | 0.50 | 0.36 | 0.56 |
| Std. Deviation | 0.28 | 0.36 | 0.21 | 0.13 | 0.20 |
| LSD/sig | 0.199 | P≤0.01 | P≤0.01 | P≤0.01 | P≤0.01 |
| <input checked="" type="checkbox"/> Leaf: level of biochanin A | | | | | |
| Mean | 0.30 | 0.73 | 0.08 | 0.96 | 1.12 |
| Std. Deviation | 0.09 | 0.80 | 0.05 | 0.16 | 0.31 |
| LSD/sig | 0.252 | P≤0.01 | ns | P≤0.01 | P≤0.01 |
| <input checked="" type="checkbox"/> Seed: hardseededness | | | | | |
| Mean | 71.17 | 60.22 | 61.39 | 41.24 | 63.18 |
| Std. Deviation | 6.16 | 11.58 | 7.01 | 13.54 | 6.68 |
| LSD/sig | 7.83 | P≤0.01 | P≤0.01 | P≤0.01 | P≤0.01 |

Prior Applications and Sales

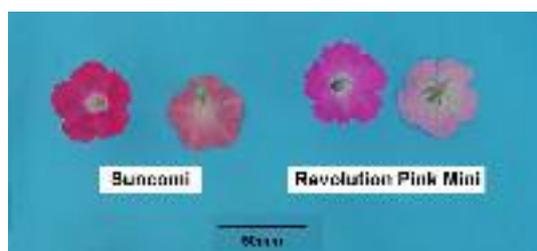
Nil.

Description: **Phillip Nichols**, Department of Agriculture WA, South Perth, WA.

Plant Varieties Journal - Search Result Details

Petunia (*Petunia hybrid*)**Variety:** 'Suncomi'**Synonym:** N/A**Application no:** 2001/381**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 20-Dec-2001**Accepted:** 14-Aug-2002**Granted:** N/A**Description****published****in Plant** Volume 18, Issue 4**Varieties****Journal:****Title Holder:** Suntory Flowers Limited**Agent:** Ramm Botanicals Pty Ltd**Telephone:** 0243512099**Fax:** 0243531875

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|---|
| Application Number | 2001/381 |
| Variety Name | 'Suncomi' |
| Genus Species | <i>Petunia</i> hybrid |
| Common Name | Petunia |
| Synonym | Nil |
| Accepted Date | 14 Aug 2002 |
| Applicant | Suntory Flowers Limited, Tokyo, Japan. |
| Agent | Ramm Botanicals Pty Ltd, Tuggerah, NSW. |
| Qualified Person | Ian Paananen |

Details of Comparative Trial

| | |
|----------------------------|---|
| Location | Tuggerah, NSW |
| Descriptor | Petunia (<i>Petunia</i>) TWO/34/14 |
| Period | Nov 2005 to Jan 2006 |
| Conditions | Trial conducted in a plastic tunnel house, plants propagated from cuttings, rooted cuttings planted into 140mm pots filled with soilless potting mix, nutrition maintained with slow release fertilisers and drip irrigated, no pest or disease treatments were required. |
| Trial Design | Fifteen pots of each variety arranged in a completely randomised design. |
| Measurements | From ten plants at random. One sample per plant. |
| RHS Chart - edition | 1995 |

Origin and Breeding

Spontaneous mutation: 'Revolution Bright Pink Mini'. The parent is characterised by a red purple main flower colour with a purple throat colour. Selection took place at Omi R&D Centre, Shiga, Japan. Selection criteria: flower colour, decumbent habit, profuse flowering. Propagation: stock plants generated vegetatively through micropropagation and cuttings are found to be uniform and stable. Breeders: Kiyoshi Miyazaki, Kazunari Iwaki, Takuro Ishihara and Hiroshi Shimizu, Japan.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|-------------------------|--|--|
| Plant | growth habit | creeping |
| Corolla lobe | number of colours of upper side | one |
| Flower | colour group | pink |
| Corolla lobe | conspicuousness of veins on upper side | very weak to weak |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|------------------------|---|
| 'Revolution Pink Mini' | Choice of comparator takes into account that no other varieties have the same corolla lobe colours. So other traits and similar breeding background were important. |

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

| Organ/Plant Part: Context | 'Suncomi' | 'Revolution Pink Mini' |
|---|----------------------|-------------------------------|
| <input type="checkbox"/> *Plant: growth habit | creeping | creeping |
| <input type="checkbox"/> *Plant: height | short | short |
| <input checked="" type="checkbox"/> *Shoot: length | short to medium | medium |
| <input type="checkbox"/> Shoot: thickness | medium | medium |
| <input type="checkbox"/> *Leaf blade: length | medium | medium |
| <input type="checkbox"/> *Leaf blade: width | medium | medium |
| <input type="checkbox"/> *Leaf blade: shape | elliptic | elliptic |
| <input type="checkbox"/> Leaf blade: shape of apex | narrow acute | narrow acute |
| <input type="checkbox"/> *Leaf blade: variegation | absent | absent |
| <input type="checkbox"/> *Leaf blade: green colour of upper side (varieties with non-variegated leaves only) | medium | medium |
| <input type="checkbox"/> Leaf blade: blistering | absent | absent |
| <input type="checkbox"/> Petiole: length | absent or very short | absent or very short |
| <input type="checkbox"/> Pedicel: length | medium | medium |
| <input type="checkbox"/> *Sepal: length | medium | medium |
| <input type="checkbox"/> *Sepal: width | narrow to medium | narrow to medium |
| <input type="checkbox"/> Sepal: shape | linear | linear |
| <input type="checkbox"/> Sepal: anthocyanin colouration | absent | absent |
| <input type="checkbox"/> *Flower: type | single | single |
| <input type="checkbox"/> *Flower: diameter | medium | medium |
| <input type="checkbox"/> *Flower: shape | funnelform | funnelform |
| <input checked="" type="checkbox"/> Flower: colour of veins | yellow | purple |
| <input type="checkbox"/> *Corolla lobe: number of colours of upper side | one | one |
| <input checked="" type="checkbox"/> *Corolla lobe: main colour of upper side (RHS colour chart) | 58B | 74A |
| <input checked="" type="checkbox"/> *Corolla lobe: conspicuousness of veins on upper side | absent or very weak | weak to medium |
| <input type="checkbox"/> Corolla lobe: undulation of margin | weak | weak |
| <input type="checkbox"/> Corolla tube: length | medium | medium |
| <input type="checkbox"/> *Corolla tube: main colour of inner side (RHS colour chart) | ca 155D | ca 155D |
| <input checked="" type="checkbox"/> Corolla tube: conspicuousness of veins on inner side | absent or very weak | medium to strong |
| <input checked="" type="checkbox"/> *Anther: colour before dehiscence | yellowish white | light grey |

Statistical Table

| Organ/Plant Part: Context | 'Suncomi' | 'Revolution Pink Mini' |
|---|------------------|-------------------------------|
| <input type="checkbox"/> Plant: height | | |
| Mean | 13.40 | 13.30 |
| Std. Deviation | 1.10 | 2.30 |
| LSD/sig | 2.08 | ns |
| <input type="checkbox"/> Flower: diameter | | |
| Mean | 46.10 | 47.40 |
| Std. Deviation | 1.10 | 1.10 |
| LSD/sig | 1.31 | ns |
| <input type="checkbox"/> Corolla tube: length | | |
| Mean | 25.70 | 27.00 |
| Std. Deviation | 1.70 | 1.60 |
| LSD/sig | 1.84 | ns |

Prior Applications and Sales

| Country | Year | Current Status | Name Applied |
|----------------|-------------|-----------------------|---------------------|
| Japan | 2001 | Granted | 'Suncomi' |
| EU | 2003 | Granted | 'Suncomi' |

First sold in Australia in Sep 2001.

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

Plant Varieties Journal - Search Result Details

Peach (*Prunus persica*)**Variety:** 'Coconut Ice'**Synonym:** N/A**Application no:** 2003/314**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 10-Nov-2003**Accepted:** 02-Mar-2004**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Title Holder:** The Horticulture and Food Research Institute of New Zealand Limited**Agent:** A J Park**Telephone:** 0262435151**Fax:** 0262435153

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|---|
| Application Number | 2003/314 |
| Variety Name | 'Coconut Ice' |
| Genus Species | <i>Prunus persica</i> |
| Common Name | Peach |
| Synonym | Nil |
| Accepted Date | 02 Mar 2004 |
| Applicant | The Horticulture and Food Research Institute of New Zealand Limited, Havelock North, New Zealand. |
| Agent | A J Park, Canberra, ACT. |
| Qualified Person | Michael Malone |

Details of Comparative Trial

| | |
|---------------------------------------|--|
| Overseas Testing Authority | New Zealand Plant Variety Rights Office |
| Overseas Data Reference Number | SFM076 (Grant no.1590) |
| Location | Cultivar Centre, HortResearch, Havelock North, New Zealand |
| Descriptor Period | Peach/Nectarine (<i>Prunus persica</i>) TG/53/6 1998-1999 |

Origin and Breeding

Open pollination: 'Yumyeong'. The seed parent is characterised by large, very firm, non-melting fleshed fruit of late maturity. Seedlings derived from the variety 'Yumyeong' were planted in 1990. One seedling was selected in 1995 on the basis of fruit quality (firmness, eating quality) and propagated onto rootstock and planted at the HortResearch orchard Havelock North, New Zealand for further evaluation. Selection criteria: productivity, fruit firmness, fruit size and eating quality. The seedling was subsequently named 'Coconut Ice'. Propagation: by budding and grafting. After each propagation, the variety has been true to type and stable. Breeder: Michael T. Malone and Paul G. Glucina, HortResearch, Hawke's Bay, New Zealand.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|----------------------------------|------------------------|--|
| Flower | petal size | medium to large |
| Fruit | ground colour of flesh | white |
| Time of maturity for consumption | | medium |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|-------------|-----------------|
| 'Tasty Zee' | |

Varieties of Common Knowledge identified and subsequently excluded

| Variety | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety |
|-------------------|--|--|---|
| 'Yumyeong' | Time of fruit maturity for consumption | medium | late |
| 'Scarlet O' Hara' | Fruit hue of over colour | pink red | dark red |

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

| Organ/Plant Part: Context | 'Coconut Ice' | 'Tasty Zee' |
|---|---------------------------|-------------|
| <input type="checkbox"/> *Tree: size | medium to large | |
| <input type="checkbox"/> Tree: vigour | medium | |
| <input type="checkbox"/> *Tree: habit | spreading | |
| <input type="checkbox"/> Flowering shoot: thickness | medium | |
| <input type="checkbox"/> Flowering shoot: length of internodes | medium | |
| <input type="checkbox"/> *Flowering shoot: intensity of anthocyanin colouration | present | |
| <input type="checkbox"/> *Flowering shoot: anthocyanin colouration | medium | |
| <input type="checkbox"/> *Flowering shoot: density of flower buds | medium to dense | |
| <input type="checkbox"/> Flowering shoot: general distribution of flower buds | in groups of two or more | |
| <input type="checkbox"/> *Flower: type | showy | |
| <input type="checkbox"/> *Calyx: colour of inner side | greenish yellow | |
| <input type="checkbox"/> *Corolla: predominant colour | light pink | |
| <input type="checkbox"/> *Petal: shape | broad elliptic | |
| <input type="checkbox"/> *Petal: size | medium to large | |
| <input type="checkbox"/> *Petals: number | five | |
| <input type="checkbox"/> Stamens: position | below | |
| <input type="checkbox"/> *Stigma: position | same level | |
| <input type="checkbox"/> *Anthers: pollen | present | |
| <input type="checkbox"/> *Ovary: pubescence | present | |
| <input type="checkbox"/> Young shoot: length of stipule | medium | |
| <input type="checkbox"/> *Leaf blade: length | medium | |
| <input type="checkbox"/> *Leaf blade: width | medium | |
| <input type="checkbox"/> *Leaf blade: ratio | medium | |
| <input type="checkbox"/> Leaf blade: shape in cross section | flat | |
| <input type="checkbox"/> Leaf blade: angle at base | approximately right angle | |
| <input type="checkbox"/> Leaf blade: angle at apex | medium | |
| <input type="checkbox"/> Leaf blade: colour | purplish red | |
| <input type="checkbox"/> Petiole: length | medium | |

| | | | |
|-------------------------------------|---|---------------------------------|----------------|
| <input type="checkbox"/> | *Petiole: nectaries | absent | |
| <input type="checkbox"/> | *Petiole: shape of nectaries | round | |
| <input type="checkbox"/> | Petiole: predominant number of nectaries | two | |
| <input type="checkbox"/> | *Fruit: size | large to very large | large |
| <input type="checkbox"/> | *Fruit: shape | oblate | |
| <input type="checkbox"/> | *Fruit: shape of pistil end | weakly pointed | |
| <input type="checkbox"/> | Fruit: symmetry | asymmetric | |
| <input type="checkbox"/> | Fruit: prominence of suture | weak | |
| <input type="checkbox"/> | Fruit: depth of stalk cavity | medium | |
| <input type="checkbox"/> | Fruit: width of stalk cavity | medium | |
| <input type="checkbox"/> | *Fruit: ground colour | cream yellow | |
| <input type="checkbox"/> | Fruit: over colour | present | |
| <input checked="" type="checkbox"/> | Fruit: hue of over colour | pink red | dark red |
| <input type="checkbox"/> | *Fruit: pattern of over colour | mottled | |
| <input type="checkbox"/> | *Fruit: extent of over colour | medium to large | |
| <input type="checkbox"/> | *Fruit: pubescence | present | |
| <input type="checkbox"/> | *Fruit: density of pubescence | medium | |
| <input type="checkbox"/> | Fruit: thickness of skin | medium | |
| <input type="checkbox"/> | Fruit: adherence of skin to flesh | medium to strong | |
| <input checked="" type="checkbox"/> | *Fruit: firmness of flesh | very firm | medium |
| <input type="checkbox"/> | *Fruit: ground colour of flesh | white | greenish white |
| <input type="checkbox"/> | *Fruit: anthocyanin colouration directly under skin | absent or very weakly expressed | |
| <input type="checkbox"/> | *Fruit: anthocyanin colouration of flesh | strongly expressed | |
| <input type="checkbox"/> | *Fruit: anthocyanin colouration around stone | weakly expressed | |
| <input type="checkbox"/> | Fruit: texture of the flesh | fibrous | |
| <input type="checkbox"/> | Fruit: sweetness | low to medium | |
| <input type="checkbox"/> | Fruit: acidity | low | |
| <input type="checkbox"/> | *Stone: size compared to fruit | small to medium | |
| <input type="checkbox"/> | *Stone: shape | round | |
| <input type="checkbox"/> | Stone: intensity of brown colour | medium | |
| <input type="checkbox"/> | Stone: relief of surface | pits and grooves | |
| <input type="checkbox"/> | Stone: tendency of splitting | absent or very low | |
| <input checked="" type="checkbox"/> | *Stone: adherence to flesh | present | absent |
| <input type="checkbox"/> | Stone: degree of adherence to flesh | very strong | |
| <input type="checkbox"/> | Time of: leaf bud burst | late to very late | |
| <input type="checkbox"/> | *Time of: beginning of flowering | late to very late | |
| <input type="checkbox"/> | *Duration of: flowering | medium | |

- *Time of: maturity late
- Tendency to: pre-harvest drop weak to medium

Prior Applications and Sales

| Country | Year | Current Status | Name Applied |
|----------------|-------------|-----------------------|---------------------|
| Canada | 2003 | Applied | 'Coconut Ice' |
| Chile | 2004 | Applied | 'Coconut Ice' |
| New Zealand | 1998 | Granted | 'Coconut Ice' |
| EU | 2003 | Applied | 'Coconut Ice' |
| South Africa | 2003 | Applied | 'Coconut Ice' |

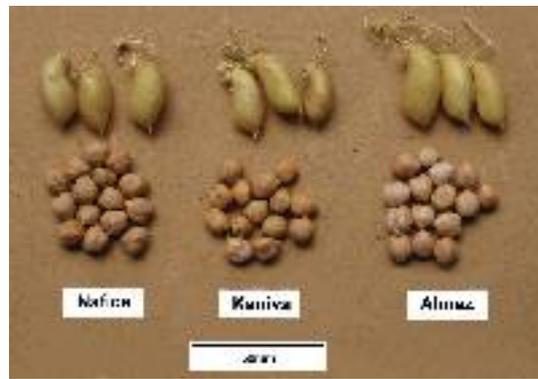
First sold in New Zealand in Jul 1998.

Description: **HortResearch**, Havelock North, New Zealand.

Plant Varieties Journal - Search Result Details

Chickpea (*Cicer arietinum*)**Variety:** 'Nafice'**Synonym:** N/A**Application no:** 2005/083**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 22-Mar-2005**Accepted:** 17-Jun-2005**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Title Holder:** The University of Western Australia, State of Western Australia through its Department of Agriculture, Council of Grain Growers Organisation, Grains Research and Development Corporation**Agent:** The University of Western Australia**Telephone:** 0864887012**Fax:** 0864887354

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|--|
| Application Number | 2005/083 |
| Variety Name | 'Nafice' |
| Genus Species | <i>Cicer arietinum</i> |
| Common Name | Chickpea |
| Synonym | Nil |
| Accepted Date | 17 Jun 2005 |
| Applicant | The University of Western Australia, Crawley WA; State of Western Australia through its Department of Agriculture; South Perth, WA; Council of Grain Growers Organisation, South Perth, WA and Grains Research and Development Corporation, Barton, ACT. |
| Agent | The University of Western Australia, Crawley, WA. |
| Qualified Person | David Collins |

Details of Comparative Trial

| | |
|----------------------------|---|
| Location | Wongamine, WA |
| Descriptor | Chick-pea (<i>Cicer arietinum</i>) TG/143/3 |
| Period | 15 May 2005 to 1 Dec 2005 |
| Conditions | Plants were in red brown sandy loam pH 5.5 in CaCl ₂ in open plots. The site was treated with glyphosate at 1 l/ha and simazine at 1.5 l/ha on the 10/05/05 and cultivated on the 12/05/05. Superphosphate + TE at 100 kg/ha was applied at seeding and seed was inoculated with group N inoculum and lime pelleted the same day as seeding. |
| Trial Design | Plants sown in randomised complete blocks 10m long by 0.71m wide (4 rows) by 2 replications. |
| Measurements | Taken from 10 specimens per replicate selected at random from approximately 1000 plants. One sample per plant. |
| RHS Chart - edition | 1995 |

Origin and Breeding

Single plant selection: in 1998, single plant selection made from F₅ segregating population ('Flip86-6' x 'Flip90-109') and selected linebulk harvested, Menemen, Izmir, Turkey. Bulked in 1999 in quarantine SARDI South Australia. In 2000, F₆ seed from individual plant selections harvested Bindoon, WA. F₇ seed from individual plant selections sown in 35 single rows at Carnarvon WA in 2001. Selection was made for uniformity, seed size and seed colour, 28 selections were harvested and seed inspected. In 2002, F₈ selected lines were bulked at Carnarvon WA. F_{9/10} pre basic seed produced at Carnarvon and then Deepdale, WA in 2003. In 2004, F₁₁ bulked in WA, Vic and Qld. Selection criteria ascochyta resistance, seed size, seed colour and other agronomic features. Selection criteria: Ascochyta resistance, seed size, plant habit, seed colour, days to flower and other agronomic traits. Propagation: seed. Breeder: Prof. K.H.M Siddique, Director, CLIMA, University of Western Australia.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|------------------|-------------------------|---|
| Plant | time to flowering | medium |
| Seed | colour | beige |
| Seed | weight | medium to high |
| Plant | resistance to ascochyta | moderately resistant |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|----------|--|
| 'Kaniva' | similar seed colour and seed size |
| 'Almaz' | similar seed size, seed colour, maturity and resistance to ascochyta |

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

| Organ/Plant Part: Context | 'Nafice' | 'Almaz' | 'Kaniva' |
|--|------------------|------------------|------------------|
| <input type="checkbox"/> *Plant: height | medium to tall | medium to tall | medium |
| <input type="checkbox"/> *Plant: attitude | semi-erect | semi-erect | semi-erect |
| <input type="checkbox"/> *Stem: anthocyanin colouration | absent | absent | absent |
| <input type="checkbox"/> *Foliage: intensity of green colour | medium | medium | medium |
| <input type="checkbox"/> *Leaflet: size | medium to large | medium to large | medium |
| <input type="checkbox"/> *Flower: colour | white | white | white |
| <input type="checkbox"/> Peduncle: length | medium | medium to long | medium |
| <input type="checkbox"/> *Pod: size | large | large | medium |
| <input type="checkbox"/> *Pod: intensity of green colour | medium | medium | medium |
| <input type="checkbox"/> Pod: length of beak | short | short | short |
| <input type="checkbox"/> *Pod: predominant number of ovules | two | two | two |
| <input type="checkbox"/> *Seed: colour | beige | beige | beige |
| <input type="checkbox"/> *Seed: intensity of colour | light | light | medium |
| <input type="checkbox"/> *Seed: weight | high | medium to high | medium |
| <input type="checkbox"/> *Seed: shape | round to angular | round to angular | round to angular |
| <input checked="" type="checkbox"/> *Seed: ribbing | medium | weak | medium |
| <input checked="" type="checkbox"/> *Time of: flowering | medium | medium | early |
| <input type="checkbox"/> *Time of: maturity of pod | early to medium | early to medium | early to medium |

Characteristics Additional to the Descriptor/TG

| Organ/Plant Part: Context | 'Nafice' | 'Almaz' | 'Kaniva' |
|---|----------|-----------|-----------|
| <input checked="" type="checkbox"/> Stem: number | many | few | few |
| <input checked="" type="checkbox"/> Pod: intensity of hairs | strong | very weak | very weak |

Statistical Table

| Organ/Plant Part: Context | 'Nafice' | 'Almaz' | 'Kaniva' |
|---|----------|---------|----------|
| <input checked="" type="checkbox"/> Seed: 100 seed weight (g) | | | |

| | | | |
|--|--------|--------|--------|
| Mean | 45.50 | 42.90 | 39.20 |
| Std. Deviation | 0.26 | 0.20 | 0.26 |
| LSD/sig | 0.63 | ns | P≤0.01 |
| <input type="checkbox"/> Leaflet: length (mm) | | | |
| Mean | 17.19 | 16.26 | 15.22 |
| Std. Deviation | 1.59 | 1.96 | 2.60 |
| LSD/sig | 4.72 | ns | ns |
| <input type="checkbox"/> Leaflet: width (mm) | | | |
| Mean | 10.15 | 9.43 | 8.05 |
| Std. Deviation | 0.96 | 1.43 | 0.94 |
| LSD/sig | 2.29 | ns | ns |
| <input checked="" type="checkbox"/> Plant: time to first flower (days) | | | |
| Mean | 116.65 | 113.22 | 104.20 |
| Std. Deviation | 2.78 | 3.05 | 7.20 |
| LSD/sig | 7.30 | ns | P≤0.01 |
| <input type="checkbox"/> Whole leaf: length (mm) | | | |
| Mean | 60.87 | 59.97 | 51.03 |
| Std. Deviation | 7.67 | 6.71 | 5.59 |
| LSD/sig | 18.88 | ns | ns |
| <input type="checkbox"/> Leaflet: number | | | |
| Mean | 16.00 | 15.45 | 14.05 |
| Std. Deviation | 0.88 | 1.61 | 1.15 |
| LSD/sig | 2.12 | ns | ns |
| <input checked="" type="checkbox"/> Plant: branch number | | | |
| Mean | 4.63 | 2.92 | 3.00 |
| Std. Deviation | 1.36 | 0.96 | 0.58 |
| LSD/sig | 0.88 | P≤0.01 | P≤0.01 |
| <input type="checkbox"/> Plant: mature height (mm) | | | |
| Mean | 562.00 | 586.20 | 521.10 |
| Std. Deviation | 53.97 | 60.39 | 87.51 |
| LSD/sig | 151.54 | ns | ns |
| <input type="checkbox"/> Stem: nodes to first pod | | | |
| Mean | 23.10 | 22.85 | 23.60 |
| Std. Deviation | 2.52 | 2.48 | 3.03 |
| LSD/sig | 4.66 | ns | ns |
| <input type="checkbox"/> Pod: length (mm) | | | |
| Mean | 30.03 | 29.98 | 29.00 |
| Std. Deviation | 1.63 | 1.42 | 2.19 |
| LSD/sig | 2.76 | ns | ns |
| <input type="checkbox"/> Pod: width (mm) | | | |
| Mean | 13.18 | 12.41 | 11.84 |
| Std. Deviation | 0.74 | 0.82 | 0.66 |
| LSD/sig | 1.34 | ns | ns |
| <input type="checkbox"/> Pod: number of seeds | | | |
| Mean | 1.48 | 1.33 | 1.05 |
| Std. Deviation | 0.51 | 0.47 | 0.30 |

| | | | |
|--|-------|-------|-------|
| LSD/sig | 0.71 | ns | ns |
| <input type="checkbox"/> Plant: number of pods | | | |
| Mean | 28.40 | 24.70 | 18.40 |
| Std. Deviation | 10.76 | 11.02 | 8.59 |
| LSD/sig | 15.78 | ns | ns |
| <input type="checkbox"/> Seed: width (mm) | | | |
| Mean | 8.53 | 8.18 | 8.41 |
| Std. Deviation | 0.57 | 0.54 | 0.58 |
| LSD/sig | 1.09 | ns | ns |

Prior Applications and Sales

Nil.

Description: **David Collins**, Northam, WA.

Plant Varieties Journal - Search Result Details

Chickpea (*Cicer arietinum*)**Variety:** 'Almaz'**Synonym:** N/A**Application no:** 2005/084**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 22-Mar-2005**Accepted:** 17-Jun-2005**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Title Holder:** The University of Western Australia, State of Western Australia through its Department of Agriculture, Council of Grain Growers Organisation, Grains Research and Development Corporation**Agent:** The University of Western Australia**Telephone:** 0864887012**Fax:** 0864887354

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|--|
| Application Number | 2005/084 |
| Variety Name | 'Almaz' |
| Genus Species | <i>Cicer arietinum</i> |
| Common Name | Chickpea |
| Synonym | Nil |
| Accepted Date | 17 Jun 2005 |
| Applicant | The University of Western Australia, Crawley WA; State of Western Australia through its Department of Agriculture; South Perth, WA; Council of Grain Growers Organisation, South Perth, WA and Grains Research and Development Corporation, Barton, ACT. |
| Agent | The University of Western Australia, Crawley, WA. |
| Qualified Person | David Collins |

Details of Comparative Trial

| | |
|----------------------------|--|
| Location | Wongamine, WA |
| Descriptor | Chick-pea (<i>Cicer arietinum</i>) TG/143/3 |
| Period | 15 May 2005 to 1 Dec 2005 |
| Conditions | Plants were in red brown sandy loam pH 5.5 in CaCl ₂ in open plots. The trial was treated with glyphosate at 1 l/ha and simazine at 1.5 l/ha on the 10/05/05 and cultivated on the 12/05/05. Superphosphate + TE at 100 kg/ha was applied at seeding and seed was inoculated with group N inoculum and lime pelleted the same day as seeding. |
| Trial Design | Plants sown in randomised complete blocks 10 meters long by 0.71 meters wide (4 rows) by 2 replications. |
| Measurements | Taken from 10 specimens per replication selected at random from approximately 1000 plants |
| RHS Chart - edition | 1995 |

Origin and Breeding

Single plant selection: in 1998, single plant selection made from F₅ segregating population (Flip91-186) x (Flip91-96) x (Flip90-109) and selected line bulk harvested, Menemen, Izmir, Turkey. Bulked in 1999 in quarantine SARDI South Australia. In 2000, F₆ seed from individual plant selections made, Bindoon, WA. F₇ seed from individual plant sown in 35 single rows at Carnarvon, WA in 2001. Selection was made for uniformity, seed size, seed colour and 28 selections harvested and seed inspected. In 2002, F₈ selected lines bulked at Carnarvon, WA. F_{9/10} pre basic seed produced at Carnarvon and then Deepdale, WA in 2003. In 2004, F₁₁ bulked in WA, Vic and Qld. Selection criteria: Ascochyta resistance, seed size, plant habit, seed colour, days to flower and other agronomic traits. Propagation: seed. Breeder: Prof. K.H.M Siddique, Director, CLIMA, University of Western Australia.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|--------------------|-----------|---|
| Time of | flowering | medium |
| Seed | colour | beige |
| Seed | weight | medium to high |
| Disease resistance | ascochyta | moderately resistant |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|----------|--|
| 'Kaniva' | similar seed colour and seed size |
| 'Nafice' | similar seed size, seed colour, maturity and disease resistance to ascochyta |

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

| Organ/Plant Part: Context | 'Almaz' | 'Kaniva' | 'Nafice' |
|--|------------------|------------------|------------------|
| <input type="checkbox"/> *Plant: height | medium to tall | medium | medium to tall |
| <input type="checkbox"/> *Plant: attitude | semi-erect | semi-erect | semi-erect |
| <input type="checkbox"/> *Stem: anthocyanin colouration | absent | absent | absent |
| <input type="checkbox"/> *Foliage: intensity of green colour | medium | medium | medium |
| <input type="checkbox"/> *Leaflet: size | medium to large | medium | large |
| <input type="checkbox"/> *Flower: colour | white | white | white |
| <input type="checkbox"/> Peduncle: length | medium to long | medium | medium to long |
| <input type="checkbox"/> *Pod: size | large | medium | large |
| <input type="checkbox"/> *Pod: intensity of green colour | medium | medium | medium |
| <input type="checkbox"/> Pod: length of beak | short | short | short |
| <input type="checkbox"/> *Pod: predominant number of ovules | two | two | two |
| <input type="checkbox"/> *Seed: colour | beige | beige | beige |
| <input type="checkbox"/> *Seed: intensity of colour | light | medium | light to medium |
| <input type="checkbox"/> *Seed: weight | medium to high | medium | medium to high |
| <input type="checkbox"/> *Seed: shape | round to angular | round to angular | round to angular |
| <input checked="" type="checkbox"/> *Seed: ribbing | weak | medium | weak to medium |
| <input checked="" type="checkbox"/> *Time of: flowering | medium | early | medium |
| <input type="checkbox"/> *Time of: maturity of pod | early to medium | early to medium | early to medium |

Characteristics Additional to the Descriptor/TG

| Organ/Plant Part: Context | 'Almaz' | 'Kaniva' | 'Nafice' |
|---|-----------|-----------|----------|
| <input checked="" type="checkbox"/> Stem: number | few | few | many |
| <input checked="" type="checkbox"/> Pod: intensity of hairs | very weak | very weak | strong |

Statistical Table

| Organ/Plant Part: Context | 'Almaz' | 'Kaniva' | 'Nafice' |
|--|---------|----------|----------|
| <input type="checkbox"/> Seed: 100 seed weight (g) | | | |

| | | | |
|--|--------|--------|--------|
| Mean | 42.90 | 39.20 | 45.50 |
| Std. Deviation | 0.20 | 0.26 | 0.26 |
| LSD/sig | 0.63 | ns | ns |
| <input type="checkbox"/> Leaflet: length (mm) | | | |
| Mean | 16.26 | 15.22 | 17.19 |
| Std. Deviation | 1.96 | 2.60 | 1.59 |
| LSD/sig | 4.72 | ns | ns |
| <input type="checkbox"/> Leaflet: width (mm) | | | |
| Mean | 9.43 | 8.05 | 10.15 |
| Std. Deviation | 1.43 | 0.94 | 0.96 |
| LSD/sig | 2.29 | ns | ns |
| <input checked="" type="checkbox"/> Plant: time to first flower (days) | | | |
| Mean | 113.22 | 104.20 | 116.65 |
| Std. Deviation | 3.05 | 7.20 | 2.78 |
| LSD/sig | 7.30 | P≤0.01 | ns |
| <input type="checkbox"/> Whole leaf: length (mm) | | | |
| Mean | 59.97 | 51.03 | 60.87 |
| Std. Deviation | 6.71 | 5.59 | 7.67 |
| LSD/sig | 18.88 | ns | ns |
| <input type="checkbox"/> Leaflet: number | | | |
| Mean | 15.45 | 14.05 | 16.00 |
| Std. Deviation | 1.61 | 1.15 | 0.88 |
| LSD/sig | 2.12 | ns | ns |
| <input checked="" type="checkbox"/> Plant: branch number | | | |
| Mean | 2.92 | 3.00 | 4.63 |
| Std. Deviation | 0.96 | 0.58 | 1.36 |
| LSD/sig | 0.88 | ns | P≤0.01 |
| <input type="checkbox"/> Mature plant: length (mm) | | | |
| Mean | 586.20 | 521.10 | 562.00 |
| Std. Deviation | 60.39 | 87.51 | 53.97 |
| LSD/sig | 151.54 | ns | ns |
| <input type="checkbox"/> Stem: nodes to first pod (number) | | | |
| Mean | 22.85 | 23.60 | 23.10 |
| Std. Deviation | 2.48 | 3.03 | 2.52 |
| LSD/sig | 4.66 | ns | ns |
| <input type="checkbox"/> Pod: length (mm) | | | |
| Mean | 29.98 | 29.00 | 30.03 |
| Std. Deviation | 1.42 | 2.19 | 1.63 |
| LSD/sig | 2.76 | ns | ns |
| <input type="checkbox"/> Pod: width (mm) | | | |
| Mean | 12.41 | 11.84 | 13.18 |
| Std. Deviation | 0.82 | 0.66 | 0.74 |
| LSD/sig | 1.34 | ns | ns |
| <input type="checkbox"/> Plant: pod number | | | |
| Mean | 24.70 | 18.40 | 28.40 |

| | | | |
|---|-------|-------|-------|
| Std. Deviation | 11.02 | 8.59 | 10.76 |
| LSD/sig | 15.78 | ns | ns |
| <input type="checkbox"/> Pod: number of ovules | | | |
| Mean | 1.33 | 1.05 | 1.48 |
| Std. Deviation | 0.47 | 0.30 | 0.51 |
| LSD/sig | 0.71 | ns | ns |
| <input type="checkbox"/> Plant: number of seeds | | | |
| Mean | 32.70 | 19.00 | 41.63 |
| Std. Deviation | 17.60 | 8.68 | 21.13 |
| LSD/sig | 20.6 | ns | ns |
| <input type="checkbox"/> Seed: width (mm) | | | |
| Mean | 8.18 | 8.41 | 8.53 |
| Std. Deviation | 0.54 | 0.58 | 0.57 |
| LSD/sig | 1.09 | ns | ns |

Prior Applications and Sales

Nil.

Description: **David Collins**, Northam, WA.

Plant Varieties Journal - Search Result Details

Lucerne (*Medicago sativa*)**Variety:** 'PAC701'**Synonym:** N/A**Application no:** 2004/200**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 01-Jul-2004**Accepted:** 19-Aug-2004**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Title Holder:** The University of Queensland on behalf of the Participants of the Cooperative Research Centre for Tropical Plant Protection and Grains Research and Development Corporation**Agent:** Pacific Seeds Pty Ltd**Telephone:** 0746902671**Fax:** 0746372509

[View the detailed description of this variety.](#)



Details of**Application**

| | |
|---------------------------|---|
| Application Number | 2004/200 |
| Variety Name | 'PAC701' |
| Genus Species | <i>Medicago sativa</i> |
| Common Name | Lucerne |
| Synonym | Nil. |
| Accepted Date | 19 Aug 2004 |
| Applicant | The University of Queensland on behalf of the Participants of the Cooperative Research Centre for Tropical Plant Protection and Grains Research and Development Corporation |
| Agent | Pacific Seeds Pty Ltd, Toowoomba, QLD. |
| Qualified Person | Stefan Kempff |

Details of Comparative Trial

| | |
|---------------------|---|
| Location | Pacific Seeds Research Farm, Gatton, QLD, 27°32'S 152°17'E |
| Descriptor | TG/6/5(proj.2) Lucerne |
| Period | 16 Nov 2004 to 3 Nov 2005 |
| Conditions | The spaced plants were raised as seedlings and transplanted into raised beds of alluvial black soil with overhead irrigation. Pre-emergent herbicide was applied at the recommended rate prior to transplanting and seeding rows. Fungicide and insecticide were applied during the season as required and weed control was manual. |
| Trial Design | The trial was designed as a randomised block. The spaced plants were arranged in 6 replicates of 15 plants each. Row spacing was 0.75m with 0.75m within row spacings. The seeded rows were in a 3 replicate design on 0.75m row spacings, with 3.5m of row per replicate, establishing 200 seeds/m. |
| Measurements | Measurements were conducted at random on 10 plants per replicate in the spaced plant trial and on 6 plants per replicate in the seeded rows. Anthracnose screening was conducted at The University of Queensland, St Lucia according to standard test guidelines published by the North American Alfalfa Improvement Conference. Testing for resistance to Bluegreen Aphid and Spotted Alfalfa Aphid was conducted by Crop Characteristics, Inc. according to the guidelines published by the North American Alfalfa Improvement Conference. Phytophthora Root Rot resistance screening was conducted at The University of Queensland, St Lucia using the method published in Australasian Plant Pathology, 2003, 32:263-268. |

**RHS Chart -
edition****Origin and Breeding**

Polycross: in 2002, 86 Lucerne clones with resistance to either race 1 and race 2, or race 1 and race 4 of *Colletotrichum trifolii* were selected from the lucerne cultivars listed below: 'Trifecta' (14 clones), 'Aurora' (8 clones), 'Quadrella' (5

clones), ‘Genesis’ (4 clones), ‘L55’ (23 clones), ‘54Q53’ (1 clone), ‘UQL-1’ (17 clones), ‘Venus’ (5 clones), ‘Super 7’ (6 clones), ‘Hunter River’ (1 clone), ‘Prime’ (1 clone), and ‘Hallmark’ (1 clone). These clones were polycrossed by hand, without vacuum emasculation, in a glasshouse at The University of Queensland, St Lucia. Half-sib families from all 86 maternal clones were harvested individually, and subsequently bulked to give a Syn 1 generation with approximately equal representation from each half-sib family. The Syn 1 was increased through another 2 generations in the field at Gatton, QLD, without any intentional selection being applied, for the purpose of maintaining a broad genetic base. Sub-samples of seed from these generations have been termed gen 1 and gen 2 for the stability tests. Selection criteria: resistance to anthracnose races 1, 2 and 4. Propagation: seed. Breeder: J.A.G Irwin and J.M. Mackie, The University of Queensland, Brisbane, QLD.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|------------------|---|---|
| Plant | winter activity | 5-7 |
| Resistance to | <i>Colletotrichum trifolii</i> race 1 and 4 | >LR |
| Resistance to | <i>Colletotrichum trifolii</i> race 2 | >LR |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|----------------|---|
| ‘57Q75’ | Ct res race 1 and 4 HR, CT res race 2 R, W/A gp 7 |
| ‘Aurora’ | Ct res race 1 MR, CT res race 2 MR, CT res race 4 R, W/A gp 6 |
| ‘L55’ | Ct res race 1 and 4 HR, CT res race 2 MR, W/A gp 5 |
| ‘UQL-1’ | Ct res race 1 and 4 HR, CT res race 2 R, W/A gp 7 |
| ‘Hunterfield’ | Susceptible control for <i>Phytophthora</i> testing |
| ‘Hunter River’ | Susceptible control for aphid testing |

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

| Organ/ Plant Part: Context | ‘PAC701’ | ‘57Q75’ | ‘Aurora’ | ‘Hunter River’ | ‘Hunterfield’ | ‘L55’ | ‘UQL-1’ |
|---|----------|------------|----------------|----------------|---------------|------------|------------|
| <input type="checkbox"/> Plant: growth habit in autumn of the first year | | semi erect | semi erect | semi erect | | semi erect | semi erect |
| <input type="checkbox"/> *Plant: natural height 2 weeks after the first autumn | | tall | medium to tall | medium to tall | | medium | tall |

equinox
following
sowing

| | | | | | |
|---|-------------------|-------------------|-------------------|--------|-------------------|
| <input type="checkbox"/> *Plant: natural height 6 weeks after the first autumn equinox following sowing | medium to tall | medium to tall | medium to tall | medium | medium to tall |
|---|-------------------|-------------------|-------------------|--------|-------------------|

| | | | | | |
|--|------|-------------------|-------------------|--------|------|
| <input type="checkbox"/> *Plant: natural height in spring | tall | medium to tall | medium to tall | medium | tall |
|--|------|-------------------|-------------------|--------|------|

| | | | | | |
|---|-------------------|------|------|------|------|
| <input type="checkbox"/> *Time of: beginning of flowering | medium to late | late | late | late | late |
|---|-------------------|------|------|------|------|

| | | | | | |
|---|----------------------|----------------------|----------------------|-------------------------|----------------------|
| <input type="checkbox"/> *Flower : frequency of plants with very dark blue violet flowers | high to very high | high to very high | high to very high | high to very high | high to very high |
|---|----------------------|----------------------|----------------------|-------------------------|----------------------|

| | | | | | |
|---|-----------------------|-----------------------|-----------------------|--|--|
| <input type="checkbox"/> *Flower : frequency of plants with variegated flowers | absent or very low | absent or very low | absent or very low | absent or very low low to low | |
|---|-----------------------|-----------------------|-----------------------|--|--|

| | | | | | |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| <input type="checkbox"/> *Flower : frequency of plants with cream, white or yellow flowers | absent or very low |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|

| | | | | | |
|--|------|-------------------|-------------------|--------|-------------------|
| <input type="checkbox"/> *Stem: length of the longest stem at full flowering | long | medium to long | medium to long | medium | medium to long |
|--|------|-------------------|-------------------|--------|-------------------|

| | | | | | |
|---------------------------------|-----------|--------|-----------|--------|-----------|
| <input type="checkbox"/> Plant: | medium to | medium | medium to | medium | medium to |
|---------------------------------|-----------|--------|-----------|--------|-----------|

| | | | | | | |
|---|-------------------|-------------------|-------------------|--|-------------------|-------------------|
| natural height 2 weeks after the second autumn equinox following sowing | tall | | tall | | | tall |
| <input type="checkbox"/> Plant: natural height 6 weeks after the second autumn equinox following sowing | medium to tall | medium | tall | | medium | medium to tall |
| <input type="checkbox"/> *Plant: tendency to grow during winter | dormancy rating 7 | dormancy rating 7 | dormancy rating 6 | | dormancy rating 5 | dormancy rating 7 |
| <input checked="" type="checkbox"/> Resistance to: <i>Colletotrichum trifolii</i> | very high | high | medium to high | | high | medium to high |
| <input type="checkbox"/> Resistance to: <i>Phytophthora medicaginis</i> | high | | | | very low | high |
| <input type="checkbox"/> Resistance to: <i>Acyrtosiphon kondoi</i> | high | | very high | | very low | |
| <input type="checkbox"/> Resistance to: <i>Therioaphis maculata</i> | high | | very high | | very low | |

**Statistical
Table**

| Organ/ Plant Part: Context | 'PAC701' | '57Q75' | 'Aurora' | 'Hunter River' | 'Hunterfield' | 'L55' | 'UQL-1' |
|--|----------|---------|----------|-------------------|---------------|--------|---------|
| <input checked="" type="checkbox"/> Plant: natural height Apr 4, 2004 | | | | | | | |
| Mean | 54.30 | 47.60 | 47.80 | | | 44.70 | 56.10 |
| Std. Deviation | 0.83 | 4.13 | 1.17 | | | 4.60 | 2.67 |
| LSD/sig | 8.867 | ns | ns | | | P≤0.01 | ns |
| <input type="checkbox"/> Plant: natural height May 2, 2004 | | | | | | | |
| Mean | 39.80 | 39.90 | 42.70 | | | 36.70 | 40.60 |
| Std. Deviation | 2.84 | 3.00 | 4.80 | | | 3.28 | 2.72 |
| LSD/sig | 4.676 | ns | ns | | | ns | ns |
| <input checked="" type="checkbox"/> Plant: time of beginning of flowering | | | | | | | |
| Mean | 30.16 | 33.40 | 33.11 | | | 34.40 | 32.90 |
| Std. Deviation | 0.93 | 2.71 | 1.69 | | | 1.84 | 2.13 |
| LSD/sig | 3.169 | P≤0.01 | ns | | | P≤0.01 | ns |
| <input type="checkbox"/> Flower: frequency of plants with very dark blue violet flowers (arcsine trans) | | | | | | | |
| Mean | 77.73 | 78.14 | 78.55 | | | 78.14 | 78.44 |
| Std. Deviation | 14.30 | 13.15 | 13.14 | | | 13.15 | 19.06 |
| LSD/sig | 20.719 | ns | ns | | | ns | ns |
| <input checked="" type="checkbox"/> Plant: resistance to <i>Colletotrichum trifolii</i> race 1 (arcsine trans) | | | | | | | |
| Mean | 53.92 | 57.78 | 22.11 | | | 56.86 | 45.38 |
| Std. Deviation | 8.80 | 5.08 | 5.54 | | | 4.87 | 6.16 |
| LSD/sig | 10.70 | ns | P≤0.01 | | | ns | ns |
| <input checked="" type="checkbox"/> Plant: resistance to <i>Colletotrichum trifolii</i> race 2 (arcsine trans) | | | | | | | |
| Mean | 57.04 | 35.01 | 26.39 | | | 30.75 | 33.65 |
| Std. Deviation | 5.73 | 6.21 | 9.91 | | | 11.56 | 4.94 |
| LSD/sig | 11.538 | P≤0.01 | P≤0.01 | | | P≤0.01 | P≤0.01 |
| <input checked="" type="checkbox"/> Plant: resistance to <i>Colletotrichum trifolii</i> race 4 (arcsine trans) | | | | | | | |
| Mean | 55.93 | 60.45 | 42.21 | | | 62.69 | 54.56 |
| Std. Deviation | 6.16 | 6.11 | 7.94 | | | 7.48 | 6.92 |
| LSD/sig | 11.02 | ns | P≤0.01 | | | ns | ns |
| <input checked="" type="checkbox"/> Plant: resistance to <i>Phytophthora medicaginis</i> (arcsine trans) | | | | | | | |
| Mean | 41.53 | | | | 9.88 | | 42.22 |
| Std. Deviation | 7.39 | | | | 8.02 | | 8.00 |
| LSD/sig | 14.84 | | | | P≤0.01 | | ns |
| <input type="checkbox"/> Plant: resistance to <i>Acyrtosiphon kondoi</i> (BGA) | | | | | | | |
| Mean | 48.10 | | 93.30 | 7.20 | | | |

| | | | | | | |
|---|-------|-------|--------|--------|--------|--------|
| Std. Deviation | 5.30 | | 7.80 | 4.90 | | |
| LSD/sig | 15.14 | | P≤0.01 | P≤0.01 | | |
| <input checked="" type="checkbox"/> Plant: resistance to <i>Therioaphis maeulata</i> (SAA) | | | | | | |
| Mean | 57.80 | | 79.80 | 8.80 | | |
| Std. Deviation | 3.00 | | 3.30 | 2.80 | | |
| LSD/sig | 6.71 | | P≤0.01 | P≤0.01 | | |
| <input checked="" type="checkbox"/> Stem: length of the longest stem at full flowering | | | | | | |
| Mean | 51.80 | 48.30 | 49.00 | | 45.40 | 49.50 |
| Std. Deviation | 1.61 | 2.77 | 1.98 | | 2.09 | 3.13 |
| LSD/sig | 4.268 | ns | ns | | P≤0.01 | ns |
| <input checked="" type="checkbox"/> Flower: frequency of plants with variegated flowers (arcsine trans) | | | | | | |
| Mean | 0.00 | 0.00 | 0.00 | | 4.99 | 18.74 |
| Std. Deviation | 0.00 | 0.00 | 0.00 | | 7.73 | 9.40 |
| LSD/sig | 8.44 | ns | ns | | P≤0.01 | P≤0.01 |

Prior Applications and Sales

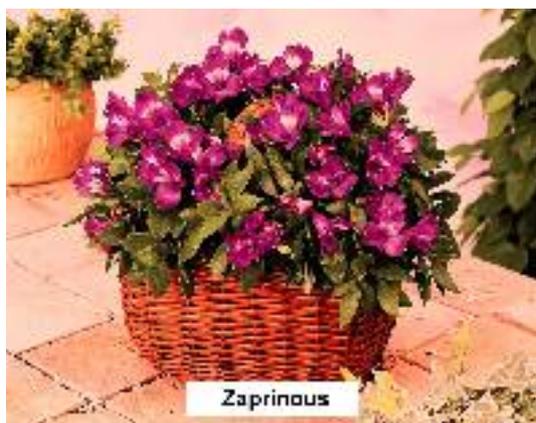
Nil.

Description: **Stefan Kempff**, Pacific Seeds Pty Ltd, Toowoomba, QLD.

Plant Varieties Journal - Search Result Details

Peruvian Lily (*Alstroemeria hybrid*)**Variety:** 'Zaprinous'**Synonym:** Anouska**Application no:** 2005/279**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 09-Aug-2005**Accepted:** 09-Nov-2005**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Varieties Journal:****Title Holder:** Van Zanten Plants B.V.**Agent:** Ramm Botanicals Holdings Pty Ltd**Telephone:** 0243512099**Fax:** N/A

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|--|
| Application Number | 2005/279 |
| Variety Name | 'Zaprinous' |
| Genus Species | <i>Alstroemeria</i> hybrid |
| Common Name | Peruvian Lily |
| Synonym | Anouska |
| Accepted Date | 9 Nov 2005 |
| Applicant | Van Zanten Plants B.V., Aalsmeer, The Netherlands. |
| Agent | Ramm Botanicals Holdings Pty Ltd, Tuggerah, NSW. |
| Qualified Person | David Nichols |

Details of Comparative Trial

| | |
|----------------------------|---|
| Overseas Testing | Community Plant Variety Office (CPVO) |
| Authority | |
| Overseas Data | INC 811 |
| Reference Number | |
| Location | Clyde, VIC |
| Descriptor | <i>Alstroemeria</i> (<i>Alstroemeria</i>) TG/29/6 |
| Period | Nov 2005 |
| Conditions | Comparisons of most of the characteristics are based on Dutch trials, assessed under conditions of controlled environment in glasshouses at Wageningen, The Netherlands. Detailed flower descriptions are based on plants growing in pots at Clyde VIC. |
| Trial Design | Completely randomised |
| Measurements | Taken from all trial plant |
| RHS Chart - edition | 2001 |

Origin and Breeding

Controlled pollination: seed parent 97120-003PN x pollen parent 95197-002D, in a planned breeding program at the applicant's research station at Rijsenhout, The Netherlands. Both parents are non-commercial varieties within the breeding programme. Selection criteria: flower colour, plant shape and quality. Propagation: a number of mature stock plants were generated from the original seedling by tissue culture through 10 generations to confirm uniformity and stability. Breeder: Joost Kos, Van Zanten Plants B.V., Aalsmeer, The Netherlands.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|------------------|-------------|---|
| Stem | length | very short |
| Flower | main colour | purple to light purple |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|------------|------------------------|
| ‘Zaprijul’ | Published for PVJ 18.4 |
| ‘Kodream’ | Published in PVJ 14:3 |

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

| Organ/Plant Part: Context | ‘Zaprinous’ | ‘Zaprijul’ | ‘Kodream’ |
|--|---------------------|---------------------|-----------------------|
| <input type="checkbox"/> *Stem: length | very short | very short | very short to short |
| <input type="checkbox"/> *Stem: thickness | thin to medium | thin | medium |
| <input type="checkbox"/> *Stem: density of foliage | dense to very dense | dense to very dense | medium to dense |
| <input type="checkbox"/> *Leaf: length | short | short | short |
| <input checked="" type="checkbox"/> *Leaf: width | medium | narrow | very narrow to narrow |
| <input type="checkbox"/> *Leaf: shape of blade | elliptic | elliptic | narrow-elliptic |
| <input type="checkbox"/> *Leaf: longitudinal axis of blade | straight | straight | straight |
| <input type="checkbox"/> *Inflorescence: number of branches in umbel | few to medium | medium | medium |
| <input type="checkbox"/> *Inflorescence: length of branches in umbel | short | short | very short to short |
| <input type="checkbox"/> *Inflorescence: length of pedicel | medium to long | medium | short |
| <input type="checkbox"/> *Flower: main colour | purple | light purple | purple |
| <input type="checkbox"/> *Flower: size | medium | medium | medium |
| <input type="checkbox"/> *Flower: spread of tepals | medium | medium | medium |
| <input type="checkbox"/> *Outer tepal: shape of blade | broad obovate | broad obovate | obovate |
| <input checked="" type="checkbox"/> *Outer tepal: depth of emargination | very shallow | deep | medium |
| <input checked="" type="checkbox"/> *Outer tepal: main colour of inner side of blade (RHS colour chart) | 78A,78B | 72A | 77A,72B |
| <input checked="" type="checkbox"/> *Outer tepal: stripes on inner side of blade | present | absent | absent |
| <input type="checkbox"/> *Outer tepal: number of stripes on inner side of blade | very few | | elliptic |
| <input type="checkbox"/> *Inner tepal: shape of blade | elliptic | elliptic | 14A |
| <input checked="" type="checkbox"/> *Inner lateral tepal: main colour of inner side of middle zone of blade (RHS colour chart) | N155B | 11D | few |
| <input type="checkbox"/> Inner lateral tepal: number of stripes | very few to few | few to medium | medium |

on inner side of blade

| | | | |
|--|---------------------|--------------|---------------------|
| <input type="checkbox"/> *Inner lateral tepal: size of stripes on inner side of blade | small | small | purple |
| <input type="checkbox"/> *Stamens: main colour of filament | light purple | light purple | absent |
| <input type="checkbox"/> *Stamens: small spots on filament | absent | absent | greenish |
| <input checked="" type="checkbox"/> *Stamens: colour of anthers at the start of dehiscence | brownish | greenish | absent or very weak |
| <input checked="" type="checkbox"/> Pistil: anthocyanin colouration of ovary | absent or very weak | medium | absent |
| <input type="checkbox"/> Pistil: spots on the stigma | absent | absent | absent |

Characteristics Additional to the Descriptor/TG

| Organ/Plant Part: Context | 'Zaprinous' | 'Zaprijul' | 'Kodream' |
|---|--------------------|-------------------|------------------|
| <input type="checkbox"/> Inner median tepal: presence of stripes | present | present | present |
| <input checked="" type="checkbox"/> Inner median tepal: presence of yellow colour | absent | present | present |

Prior Applications and Sales

| Country | Year | Current Status | Name Applied |
|----------------|-------------|-----------------------|---------------------|
| Japan | 2004 | Applied | 'Zaprinous' |
| New Zealand | 2004 | Applied | 'Zaprinous' |
| EU | 2003 | Granted | 'Zaprinous' |

First sold in Italy in Sep 2003. First Australian sale Sep 2004.

Description: **David Nichols**, Rye, VIC.

Plant Varieties Journal - Search Result Details

Peruvian Lily (*Alstroemeria hybrid*)**Variety:** 'Zaprijul'**Synonym:** Julietta**Application no:** 2004/335**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 17-Dec-2004**Accepted:** 18-Feb-2005**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Title Holder:** Van Zanten Plants B.V.**Agent:** Ramm Botanicals Holdings Pty Ltd**Telephone:** 0243721445**Fax:** N/A

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|--|
| Application Number | 2004/335 |
| Variety Name | 'Zaprijul' |
| Genus Species | <i>Alstroemeria</i> hybrid |
| Common Name | Peruvian Lily |
| Synonym | Julietta |
| Accepted Date | 18 Feb 2005 |
| Applicant | Van Zanten Plants B.V., Aalsmeer, The Netherlands. |
| Agent | Ramm Botanicals Holdings Pty Ltd, Tuggerah, NSW. |
| Qualified Person | David Nichols |

Details of Comparative Trial

| | |
|----------------------------|--|
| Overseas Testing | Community Plant Variety Office (CPVO) |
| Authority | |
| Overseas Data | INC 782 |
| Reference Number | |
| Location | Overseas data was verified in Dromana, VIC. |
| Descriptor | <i>Alstroemeria</i> (<i>Alstroemeria</i>) TG/29/6 |
| Period | Dec 2005 |
| Conditions | Comparisons of most of the characteristics are based on Dutch trials, which were assessed under conditions of controlled environment in glasshouses at Wageningen, The Netherlands. Detailed flower descriptions are based on plants growing in containers under ambient Southern Victorian (Lat 38S) conditions at Dromana, VIC. The description of the comparator is derived from that published in the Plant Varieties Journal. |
| Trial Design | Completely randomised |
| Measurements | Taken from all trial plants |
| RHS Chart - edition | 2001 |

Origin and Breeding

Controlled pollination: seed parent 94186-002PN x pollen parent 96123-001PN, in a planned breeding programme at the applicant's research station at Rijsenhout, The Netherlands. Both parents are non-commercial varieties within the breeding programme. Selection criteria: flower colour, plant shape and quality. Propagation: a number of mature stock plants were generated from the original seedling by tissue culture through 10 generations to confirm uniformity and stability. Breeder: Joost Kos, Van Zanten Plants B.V., Aalsmeer, The Netherlands.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|-------------------------|----------------|--|
| Stem | length | very short |
| Flower | colour | violet |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|-----------|-----------------------|
| 'Kodream' | Published in PVJ 14:3 |

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

| Organ/Plant Part: Context | 'Zaprijul' | 'Kodream' |
|--|---------------------|-----------------------|
| <input type="checkbox"/> *Stem: length | very short | very short to short |
| <input checked="" type="checkbox"/> *Stem: thickness | thin | medium |
| <input type="checkbox"/> *Stem: density of foliage | dense to very dense | medium to dense |
| <input type="checkbox"/> *Leaf: length | short | short |
| <input type="checkbox"/> *Leaf: width | narrow | very narrow to narrow |
| <input type="checkbox"/> *Leaf: shape of blade | elliptic | narrow-elliptic |
| <input type="checkbox"/> *Leaf: longitudinal axis of blade | straight | straight |
| <input type="checkbox"/> *Inflorescence: number of branches in umbel | medium | medium |
| <input type="checkbox"/> *Inflorescence: length of branches in umbel | short | very short to short |
| <input type="checkbox"/> *Inflorescence: length of pedicel | medium | short |
| <input type="checkbox"/> *Flower: main colour | light purple | purple |
| <input type="checkbox"/> *Flower: size | medium | medium |
| <input type="checkbox"/> *Flower: spread of tepals | medium | medium |
| <input type="checkbox"/> *Outer tepal: shape of blade | broad obovate | obovate |
| <input type="checkbox"/> *Outer tepal: depth of emargination | deep | medium |
| <input type="checkbox"/> *Outer tepal: main colour of inner side of blade (RHS colour chart) | 72B | 77A,72B |
| <input type="checkbox"/> *Outer tepal: stripes on inner side of blade | absent | absent |
| <input type="checkbox"/> *Inner tepal: shape of blade | elliptic | elliptic |
| <input checked="" type="checkbox"/> *Inner lateral tepal: main colour of inner side of middle zone of blade (RHS colour chart) | 11D | 14A |
| <input type="checkbox"/> Inner lateral tepal: number of stripes on inner side of blade | few to medium | few |
| <input checked="" type="checkbox"/> *Inner lateral tepal: size of stripes on inner side of blade | small | medium |
| <input type="checkbox"/> *Stamens: main colour of filament | light purple | purple |
| <input type="checkbox"/> *Stamens: small spots on filament | absent | absent |
| <input type="checkbox"/> *Stamens: colour of anthers at the start of dehiscence | greenish | greenish |
| <input type="checkbox"/> Pistil: anthocyanin colouration of ovary | medium | absent or very weak |
| <input type="checkbox"/> Pistil: spots on the stigma | absent | absent |

Characteristics Additional to the Descriptor/TG

| Organ/Plant Part: Context | 'Zaprijul' | 'Kodream' |
|--|------------|-----------|
| <input type="checkbox"/> Inner median tepal: presence of stripes | present | present |
| <input type="checkbox"/> Inner median tepal: presence of yellow colour | present | present |

Prior Applications and Sales

| Country | Year | Current Status | Name Applied |
|----------------|-------------|-----------------------|---------------------|
| Japan | 2003 | Applied | 'Zaprijul' |
| New Zealand | 2004 | Granted | 'Zaprijul' |
| EU | 2002 | Granted | 'Zaprijul' |

First sold in Japan in Nov 2002. First Australian sale Aug 2004.

Description: **David Nichols**, Rye, VIC.

Plant Varieties Journal - Search Result Details

Peruvian Lily (*Alstroemeria hybrid*)**Variety:** 'Zalsarest'**Synonym:** Everest**Application no:** 2004/336**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 17-Dec-2004**Accepted:** 18-Feb-2005**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Title Holder:** Van Zanten Plants B.V.**Agent:** Ramm Botanicals Holdings Pty Ltd**Telephone:** 0243721445**Fax:** N/A

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|--|
| Application Number | 2004/336 |
| Variety Name | 'Zalsarest' |
| Genus Species | <i>Alstroemeria</i> hybrid |
| Common Name | Peruvian Lily |
| Synonym | Everest |
| Accepted Date | 18 Feb 2005 |
| Applicant | Van Zanten Plants B.V., Aalsmeer, The Netherlands. |
| Agent | Ramm Botanicals Holdings Pty Ltd, Tuggerah, NSW. |
| Qualified Person | David Nichols |

Details of Comparative Trial

| | |
|----------------------------|--|
| Overseas Testing | Community Plant Variety Office (CPVO) |
| Authority | |
| Overseas Data | INC 770 |
| Reference Number | |
| Location | Silvan VIC |
| Descriptor | <i>Alstroemeria</i> (<i>Alstroemeria</i>) TG/29/6 |
| Period | Nov 2005 |
| Conditions | Comparisons of most characteristics are based on Dutch trials, which were assessed under conditions of controlled environment in glasshouses at Wageningen, The Netherlands. Detailed flower descriptions of the candidate variety are based on plants growing in soil in a multispans polyhouse at Silvan VIC. Flowers from these plants were cut in bud in November 2005 and transferred to Devon Meadows VIC, and placed in a solution of 5% sugar and 1 ml/l chlorine bleach. The flowers were assessed 3 days later. Descriptions of the comparators are derived from published in the Plant Varieties Journal. |
| Trial Design | Completely randomised |
| Measurements | Taken from all trial plant |
| RHS Chart - edition | 2001 |

Origin and Breeding

Controlled pollination: seed parent '95299-4' x pollen parent '86021-7B', in a planned breeding program at the applicant's research station at Rijsenhout, The Netherlands. Both parents are non-commercial varieties within the breeding programme. Selection criteria: flower colour, plant shape and quality. Propagation: a number of mature stock plants were generated from the original seedling by tissue culture through 10 generations to confirm uniformity and stability. Breeder: Joost Kos, Van Zanten Plants B.V., Aalsmeer, The Netherlands.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|------------------|-----------------------------|---|
| Flower | colour | white |
| Stem | length | medium - long |
| Inflorescence | length of branches in umbel | medium |
| Inner tepal | shape of blade | elliptic |
| Stamens | small spots on filament | absent |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|------------|------------------------|
| 'Kofuji' | Published in PVJ 17:4. |
| 'Virginia' | Published in PVJ 12:4. |

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

| Organ/Plant Part: Context | 'Zalsarest' | 'Kofuji' | 'Virginia' |
|---|------------------|-------------------|-----------------|
| <input checked="" type="checkbox"/> *Stem: length | long | long | short to medium |
| <input type="checkbox"/> *Stem: thickness | medium to thick | thick | medium |
| <input type="checkbox"/> *Stem: density of foliage | medium to dense | medium | medium |
| <input type="checkbox"/> *Leaf: length | medium | medium | short to medium |
| <input type="checkbox"/> *Leaf: width | narrow to medium | broad | narrow |
| <input type="checkbox"/> *Leaf: shape of blade | narrow-elliptic | elliptic | narrow-elliptic |
| <input checked="" type="checkbox"/> *Leaf: longitudinal axis of blade | recurved | straight | recurved |
| <input type="checkbox"/> *Inflorescence: number of branches in umbel | medium to many | medium to many | medium |
| <input type="checkbox"/> *Inflorescence: length of branches in umbel | medium | medium | medium |
| <input type="checkbox"/> *Inflorescence: length of pedicel | medium | short to medium | short |
| <input type="checkbox"/> *Flower: main colour | white | white | white |
| <input type="checkbox"/> *Flower: size | medium | medium to large | medium |
| <input type="checkbox"/> *Flower: spread of tepals | medium | medium | medium to large |
| <input type="checkbox"/> *Outer tepal: shape of blade | broad obovate | broad obovate | broad obovate |
| <input type="checkbox"/> *Outer tepal: depth of emargination | medium | deep to very deep | medium |
| <input type="checkbox"/> *Outer tepal: main colour of inner side of blade (RHS colour chart) | RHS 155D | N155D | 155A |
| <input type="checkbox"/> *Outer tepal: stripes on inner side of blade | present | absent | absent |
| <input type="checkbox"/> *Outer tepal: number of stripes on inner side of blade | very few | | |
| <input type="checkbox"/> *Inner tepal: shape of blade | elliptic | elliptic | elliptic |
| <input checked="" type="checkbox"/> *Inner lateral tepal: main colour of inner side of middle zone of blade (RHS) | RHS 8D | 150D | 4C |

colour chart)

| | | | | |
|-------------------------------------|---|---------------------|---------------------|---------------------|
| <input type="checkbox"/> | Inner lateral tepal: number of stripes on inner side of blade | few to medium | few to medium | medium |
| <input type="checkbox"/> | *Inner lateral tepal: size of stripes on inner side of blade | medium to large | small to medium | medium |
| <input checked="" type="checkbox"/> | *Stamens: main colour of filament | white | pink | white |
| <input type="checkbox"/> | *Stamens: small spots on filament | absent | absent | absent |
| <input checked="" type="checkbox"/> | *Stamens: colour of anthers at the start of dehiscence | brownish | brownish | greenish |
| <input type="checkbox"/> | Pistil: anthocyanin colouration of ovary | absent or very weak | absent or very weak | absent or very weak |
| <input type="checkbox"/> | Pistil: spots on the stigma | absent | present | absent |

Characteristics Additional to the Descriptor/TG

| Organ/Plant Part: Context | 'Zalsarest' | 'Kofuji' | 'Virginia' |
|--|--------------------|-----------------|-------------------|
| <input type="checkbox"/> Outer tepal: colour (RHS colour chart) | 155D | N155D | 155A |
| <input type="checkbox"/> Outer tepal: colour at the base (RHS colour chart) | 155D | N155D | 155A |
| <input checked="" type="checkbox"/> Inner lateral tepal: colour at the centre (RHS colour chart) | 8D | 150D | 4C |
| <input type="checkbox"/> Inner lateral tepal: colour at the apices (RHS colour chart) | 155D | N155D | 155A |
| <input type="checkbox"/> Inner lateral tepal: colour at the base (RHS colour chart) | 155D | N155D | 155A |
| <input type="checkbox"/> Inner median tepal: colour at the apex (RHS colour chart) | 155D | N155D | 155A |
| <input checked="" type="checkbox"/> Inner median tepal: presence of stripes | present | absent | absent |
| <input checked="" type="checkbox"/> Inner median tepal: presence of centre colour | absent | present | absent |

Prior Applications and Sales

| Country | Year | Current Status | Name Applied |
|----------------|-------------|-----------------------|---------------------|
| Japan | 2004 | Applied | 'Zalsarest' |
| EU | 2002 | Granted | 'Zalsarest' |

First sold in France in Apr 2002. First Australian sale May 2004.

Description: David Nichols, Rye, VIC.

Plant Varieties Journal - Search Result Details

Prunus - Interspecific Plum (*Prunus hybrid*)**Variety:** 'FLAVOR HEART'**Synonym:** N/A**Application no:** 1999/141**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 19-May-1999**Accepted:** 08-Jun-1999**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Title Holder:** Zaiger's Inc. Genetics**Agent:** Fleming's Nurseries & Associates Pty Ltd**Telephone:** 0397566105**Fax:** 0397520005

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|---|
| Application Number | 1999/141 |
| Variety Name | 'Flavor Heart' |
| Genus Species | <i>Prunus</i> hybrid |
| Common Name | Prunus - Interspecific Plum |
| Synonym | Nil |
| Accepted Date | 8 Jun 1999 |
| Applicant | Zaiger's Inc. Genetics, Modesto, California, USA. |
| Agent | Fleming's Nurseries & Associates Pty Ltd, Monbulk, VIC. |
| Qualified Person | Graham Fleming |

Details of Comparative Trial

| | |
|-------------------------|---|
| Overseas Testing | U.S. Plant Patent Office |
| Authority | |
| Overseas Data | Plant 10,608 |
| Reference Number | |
| Location | Where possible the US Plant Patent data was verified under local conditions in Monbulk, Vic. The US Plant Patent data was converted into the standard UPOV descriptors. |
| Descriptor | Japanese Plum (<i>Prunus salicina</i>) TG/84/3 |

Origin and Breeding

Controlled pollination: the present new variety of interspecific tree was developed by Zaiger's Inc. Genetics in their experimental orchard located near Modesto, California, as a first generation cross between two selected seedlings, field identification numbers 24EB412 and 4G1180. The maternal parent 24EB412 originated from an open pollinated seedling selection of 'Red Beaut' plum (U.S. Plant Patent No. 2,539) crossed with an early maturing plum of unknown parentage. The Paternal parent 4G1180 (plum cot) originated from an open pollinated 'Red Beaut' Plum (U.S. Plant Patent No. 2,539) seed. Zaiger's Inc. Genetics grew and maintained a large group of these first generation seedlings; one such seedling, which is the present variety, being especially desirable with respect to its fruit, was selected for asexual reproduction and commercialisation. Breeder:Chris Floyd Zaiger, Modesto, California, USA.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|-------------------------|----------------|--|
| Fruit | colour | dark purple |
| Fruit | maturity | late to very late |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|-------------|---|
| 'Flavorich' | Matures 15 days after 'Flavor Heart' and is also an interspecific plum. |
| 'Suplumsix' | Matures 10 days after 'Flavor Heart' |

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

| Organ/Plant Part: Context | 'Flavor Heart' | 'Flavorich' | 'Suplumsix' |
|--|-----------------------|--------------------|--------------------|
| <input type="checkbox"/> Tree: vigour | strong | strong | strong |
| <input type="checkbox"/> Tree: density of the head | medium | | medium |
| <input type="checkbox"/> *Leaf blade: angle of the tip | pointed | | |
| <input type="checkbox"/> *Petiole: length | medium | medium | |
| <input type="checkbox"/> *Fruit: size | large | large | medium |
| <input checked="" type="checkbox"/> *Fruit: general shape | elongated | rounded | rounded |
| <input checked="" type="checkbox"/> *Fruit: ground colour of skin | red | dark blue | red |
| <input checked="" type="checkbox"/> *Fruit: colour of flesh | yellow | orange | yellow |
| <input type="checkbox"/> Fruit: firmness of flesh | firm | very firm | |
| <input type="checkbox"/> *Fruit: degree of adherence of stone to flesh | fully adherent | semi-adherent | semi-adherent |
| <input type="checkbox"/> *Stone: size | medium | medium | |
| <input type="checkbox"/> *Stone: general shape in profile | round | round-elliptical | |
| <input type="checkbox"/> *Time of: flowering | medium | medium | |
| <input checked="" type="checkbox"/> *Time of: ripening | late | late to very late | late to very late |

Prior Applications and Sales

| Country | Year | Current Status | Name Applied |
|----------------|-------------|-----------------------|---------------------|
| USA | 1996 | Granted | 'Flavor Heart' |

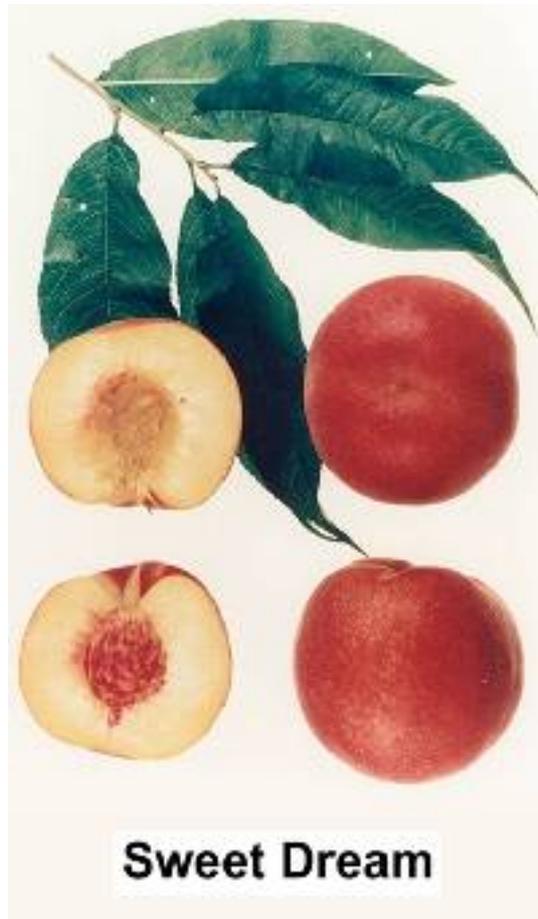
First sold in the USA in Aug 1996. First Australian sale August 2000.

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

Plant Varieties Journal - Search Result Details

Peach (*Prunus persica*)**Variety:** 'SWEET DREAM'**Synonym:** N/A**Application no:** 1999/281**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 29-Sep-1999**Accepted:** 19-Oct-1999**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Title Holder:** Zaiger's Inc. Genetics**Agent:** Fleming's Nurseries & Associates Pty Ltd**Telephone:** 0397566105**Fax:** 0397520005

[View the detailed description of this variety.](#)



Details of Application

| | |
|---------------------------|---|
| Application Number | 1999/281 |
| Variety Name | 'Sweet Dream' |
| Genus Species | <i>Prunus persica</i> |
| Common Name | Peach |
| Synonym | Nil |
| Accepted Date | 19 Oct 1999 |
| Applicant | Zaiger's Inc. Genetics, Modesto, California, USA. |
| Agent | Fleming's Nurseries & Associates Pty Ltd, Monbulk, VIC. |
| Qualified Person | Graham Fleming |

Details of Comparative Trial

| | |
|-------------------------|---|
| Overseas Testing | U.S. Patent Office |
| Authority | |
| Overseas Data | Plant 10, 176 |
| Reference Number | |
| Location | Where possible the US Plant Patent data was verified under local conditions in Monbulk, VIC. The US Plant Patent data was converted into the standard UPOV descriptors. |
| Descriptor | Peach/Nectarine (<i>Prunus persica</i>) TG/53/6 |

Origin and Breeding

Controlled pollination: the new and distinct variety of peach tree was originated by Zaiger's Inc. Genetics in the experimental orchard located near Modesto, California. After the seed was collected and cleaned for planting, the identification tag became lost and the parentage was recorded as Miscellaneous Peach. From the similarity in characteristics of the tree and its fruit, Zaiger's Inc. Genetics believe it to possibly be open pollinated 'Sweet Gem' Peach. (U.S. Plant Pat. No. 7,952) parentage. A large group of these seedlings labelled Misc. Peach were grown and maintained under careful observation by Zaiger's Inc. Genetics, during which time one such seedling, which is of the present variety, exhibited especially desirable fruit characteristics and was selected for asexual reproduction and commercialization. Breeder: Chris Floyd Zaiger, Modesto, California, USA.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|-------------------------|----------------|--|
| Fruit | maturity | early to mid season |
| Fruit | shape | round |
| Fruit | flesh colour | yellow to light yellow |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|----------------|--|
| 'Elegant Lady' | Matures 3 days before 'Sweet Dream' |
| 'Valley Sweet' | Matures 12 days after 'Sweet Dream' and is also sub acid |

Varieties of Common Knowledge identified and subsequently excluded

| Variety | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety |
|----------------|---------------------------------------|---|--|
| 'Elegant Lady' | Fruit flavour | subacid | acid |

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

| Organ/Plant Part: Context | 'Sweet Dream' | 'Valley Sweet' |
|--|---------------------------------|---------------------------------|
| <input type="checkbox"/> *Tree: size | large | large |
| <input type="checkbox"/> Tree: vigour | strong | |
| <input type="checkbox"/> *Tree: habit | upright | upright |
| <input type="checkbox"/> *Flower: type | showy | showy |
| <input type="checkbox"/> *Corolla: predominant colour | medium pink | |
| <input type="checkbox"/> *Leaf blade: length | medium | |
| <input type="checkbox"/> *Leaf blade: width | medium | |
| <input type="checkbox"/> *Leaf blade: ratio | medium to large | |
| <input type="checkbox"/> *Petiole: nectaries | present | |
| <input type="checkbox"/> *Petiole: shape of nectaries | reniform | |
| <input type="checkbox"/> Petiole: predominant number of nectaries | more than two | |
| <input checked="" type="checkbox"/> *Fruit: size | large | medium to large |
| <input type="checkbox"/> *Fruit: shape | round | round |
| <input type="checkbox"/> *Fruit: shape of pistil end | weakly pointed | |
| <input checked="" type="checkbox"/> *Fruit: ground colour | yellow | orange yellow |
| <input type="checkbox"/> Fruit: over colour | present | |
| <input type="checkbox"/> Fruit: hue of over colour | medium red | |
| <input type="checkbox"/> *Fruit: extent of over colour | large to very large | |
| <input type="checkbox"/> *Fruit: pubescence | present | present |
| <input type="checkbox"/> *Fruit: firmness of flesh | firm | |
| <input type="checkbox"/> *Fruit: ground colour of flesh | light yellow | yellow |
| <input type="checkbox"/> *Fruit: anthocyanin colouration directly under skin | absent or very weakly expressed | absent or very weakly expressed |
| <input type="checkbox"/> *Fruit: anthocyanin colouration of flesh | absent or very weakly expressed | absent or very weakly expressed |
| <input type="checkbox"/> *Fruit: anthocyanin colouration around stone | weakly expressed | weakly expressed |
| <input type="checkbox"/> *Stone: size compared to fruit | large | medium to large |
| <input type="checkbox"/> *Stone: shape | obovate | |
| <input checked="" type="checkbox"/> *Stone: adherence to flesh | present | absent |
| <input type="checkbox"/> *Time of: maturity | early to medium | early to medium |

Prior Applications and Sales

| Country | Year | Current Status | Name Applied |
|----------------|-------------|-----------------------|---------------------|
| USA | 1996 | Granted | 'Sweet Dream' |

First sold in the USA in Jan 1998. First Australian sale July 1999.

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

Plant Varieties Journal - Search Result Details

Nectarine (*Prunus persica* var. *nucipersica*)**Variety:** 'Arctic Mist'**Synonym:** N/A**Application no:** 2002/156**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 07-Jun-2002**Accepted:** 16-Apr-2003**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Title Holder:** Zaiger's Inc. Genetics**Agent:** Fleming's Nurseries & Associates Pty Ltd**Telephone:** 0397566105**Fax:** 0397520005

[View the detailed description of this variety.](#)



Arctic Mist

Details of Application

| | |
|---------------------------|---|
| Application Number | 2002/156 |
| Variety Name | 'Arctic Mist' |
| Genus Species | <i>Prunus persica</i> var. <i>nucipersica</i> |
| Common Name | Nectarine |
| Synonym | Nil |
| Accepted Date | 16 Apr 2003 |
| Applicant | Zaiger's Inc. Genetics, Modesto, California, USA. |
| Agent | Fleming's Nurseries & Associates Pty Ltd, Monbulk, VIC. |
| Qualified Person | Graham Fleming |

Details of Comparative Trial

| | |
|-------------------------|---|
| Overseas Testing | U.S. Patent Office |
| Authority | |
| Overseas Data | Plant 10,919 |
| Reference Number | |
| Location | Where possible the US Plant Patent data was verified under local conditions in Monbulk, Vic. The US Plant Patent data was converted into the standard UPOV descriptors. |
| Descriptor | Nectarine (<i>Prunus persica</i>) TG/53/6 |

Origin and Breeding

Open pollination: the present new and distinct nectarine variety was originated by Zaiger's Inc. Genetics in their experimental orchard located near Modesto, California, as a selected seedling from an open pollinated 'Arctic Snow' Nectarine (U.S. Plant Patent No. 7,920) seed. A large group of these open pollinated seedlings were grown by Zaiger's Inc. Genetics and maintained under close observation; one such late maturing seedling, which is the present variety, having especially desirable fruit characteristics, tree growth habit and productivity when growing on its own root, was selected for asexual reproduction and commercialization. Breeder: Zaiger Inc Genetics, Modesto, California, USA.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|-------------------------|-----------------|--|
| Fruit | maturity | medium to late |
| Fruit | flavour | subacid |
| Fruit | colour of flesh | white |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|---------------|---|
| 'Arctic Snow' | Matures 9 days earlier than 'Arctic Mist' |

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

| Organ/Plant Part: Context | 'Arctic Mist' | 'Arctic Snow' |
|--|---------------------------------|---------------------------------|
| <input type="checkbox"/> *Tree: size | large | large |
| <input type="checkbox"/> *Tree: habit | upright | upright |
| <input type="checkbox"/> *Flower: type | showy | showy |
| <input type="checkbox"/> *Corolla: predominant colour | light pink | medium pink |
| <input type="checkbox"/> *Leaf blade: length | long | long |
| <input type="checkbox"/> *Leaf blade: width | broad | broad |
| <input type="checkbox"/> *Petiole: nectaries | present | present |
| <input checked="" type="checkbox"/> *Petiole: shape of nectaries | reniform | round |
| <input checked="" type="checkbox"/> Petiole: predominant number of nectaries | more than two | two |
| <input type="checkbox"/> *Fruit: size | large | large |
| <input type="checkbox"/> *Fruit: shape | round | round |
| <input type="checkbox"/> *Fruit: shape of pistil end | weakly pointed | weakly pointed |
| <input type="checkbox"/> *Fruit: ground colour | cream white | pink white |
| <input type="checkbox"/> Fruit: over colour | present | present |
| <input type="checkbox"/> Fruit: hue of over colour | dark red | medium red |
| <input type="checkbox"/> *Fruit: extent of over colour | large | medium |
| <input type="checkbox"/> *Fruit: pubescence | absent | absent |
| <input type="checkbox"/> *Fruit: firmness of flesh | firm | firm |
| <input type="checkbox"/> *Fruit: ground colour of flesh | white | white |
| <input type="checkbox"/> *Fruit: anthocyanin colouration directly under skin | absent or very weakly expressed | absent or very weakly expressed |
| <input type="checkbox"/> *Fruit: anthocyanin colouration of flesh | absent or very weakly expressed | weakly expressed |
| <input type="checkbox"/> *Fruit: anthocyanin colouration around stone | strongly expressed | strongly expressed |
| <input type="checkbox"/> *Stone: size compared to fruit | large | large |
| <input type="checkbox"/> *Stone: adherence to flesh | absent | absent |
| <input checked="" type="checkbox"/> *Time of: maturity for consumption | late | medium to late |

Prior Applications and Sales

| Country | Year | Current Status | Name Applied |
|----------------|-------------|-----------------------|---------------------|
| USA | 1997 | Granted | 'Arctic Mist' |

First sold in the USA in May 1999. First Australian sale July 2001.

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

Plant Varieties Journal - Search Result Details

Nectarine (*Prunus persica* var. *nucipersica*)**Variety:** 'ARCTIC BLAZE'**Synonym:** N/A**Application no:** 1999/142**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 19-May-1999**Accepted:** 08-Jun-1999**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 18, Issue 4**Title Holder:** Zaiger's Inc. Genetics**Agent:** Fleming's Nurseries & Associates Pty Ltd**Telephone:** 0397566105**Fax:** 0397520005

[View the detailed description of this variety.](#)



Arctic Blaze

Details of Application

| | |
|---------------------------|---|
| Application Number | 1999/142 |
| Variety Name | 'Arctic Blaze' |
| Genus Species | <i>Prunus persica</i> var. <i>nucipersica</i> |
| Common Name | Nectarine |
| Synonym | Nil |
| Accepted Date | 8 Jun 1999 |
| Applicant | Zaiger's Inc. Genetics, Modesto, California, USA. |
| Agent | Fleming's Nurseries & Associates Pty Ltd, Monbulk, VIC. |
| Qualified Person | Graham Fleming |

Details of Comparative Trial

| | |
|-------------------------|--|
| Overseas Testing | U.S. Plant Patent Office |
| Authority | |
| Overseas Data | Plant 10, 174 |
| Reference Number | |
| Location | Where possible the US Plant Patent data was verified under local conditions in Monbulk Vic. The US Plant Patent data was converted into the standard UPOV descriptors. |
| Descriptor | Peach/Nectarine (<i>Prunus persica</i>) TG/53/6 |

Origin and Breeding

Controlled pollination: 'Arctic Blaze' new nectarine tree was originated by Zager's Inc. Genetics in their experimental orchard located near Modesto, California, as a first generation cross between two selected seedlings with field identification numbers 23R236 and 63EC404. The maternal parent (23R236) originated from a nectarine of unknown parentage crossed with a selected seedling originating from a cross of 'O'Henry' peach (U.S. Plant Patent NO. 2,964) and 'Giant Babcock' peach (U.S. Plant Patent No. 1,353). The paternal parent (63EC404) originated from a cross of two selected seedlings, one from the 'Sunred' nectarine (non-patented) crossed with 'Crimson Gold' nectarine (U.S. Plant Patent No 2,825), the other from an 'Autumn Grand' Nectarine (U.S. Plant Patent No. 2,894) crossed with 'Rhone Gold' Nectarine (non-patented). The present variety was selected from a large number of first generation seedlings planted and grown under close and careful observations, during which time Zaiger's Inc. Genetics recognised its desirable characteristics described above and selected the variety for asexual propagation and commercialisation. Breeder: Chris Floyd Zaiger, Modesto, California, USA.

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

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|-------------------------|-----------------|--|
| Fruit | maturity | medium |
| Fruit | colour of flesh | white |
| Fruit | flavour | subacid |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|----------------|--|
| 'Arctic Queen' | Matures approximately 4 days before 'Arctic Blaze' |
| 'Arctic Pride' | Matures approximately 15 days after 'Arctic Blaze' |

Variety Description and Distinctness - Characteristics which distinguish the candidate from one or

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

| Organ/Plant Part: Context | 'Arctic Blaze' | 'Arctic Pride' | 'Arctic Queen' |
|--|---------------------------------|-----------------------|---------------------------------|
| <input type="checkbox"/> *Tree: size | large | large | large |
| <input type="checkbox"/> *Tree: habit | upright | upright | upright |
| <input type="checkbox"/> *Flower: type | showy | showy | showy |
| <input type="checkbox"/> *Corolla: predominant colour | medium pink | medium pink | medium pink |
| <input type="checkbox"/> *Leaf blade: length | medium | | |
| <input type="checkbox"/> *Leaf blade: width | medium | | |
| <input type="checkbox"/> *Leaf blade: ratio | large | | |
| <input type="checkbox"/> Petiole: length | medium | | |
| <input type="checkbox"/> *Petiole: nectaries | present | present | present |
| <input type="checkbox"/> *Petiole: shape of nectaries | reniform | reniform | reniform |
| <input checked="" type="checkbox"/> Petiole: predominant number of nectaries | two | two | more than two |
| <input type="checkbox"/> *Fruit: size | large | large | large |
| <input type="checkbox"/> *Fruit: shape | round | round | round |
| <input type="checkbox"/> *Fruit: shape of pistil end | weakly pointed | | |
| <input type="checkbox"/> Fruit: prominence of suture | weak | | |
| <input type="checkbox"/> *Fruit: ground colour | cream white | pink white | cream |
| <input type="checkbox"/> Fruit: over colour | present | present | present |
| <input type="checkbox"/> Fruit: hue of over colour | pink red | medium red | medium red |
| <input type="checkbox"/> *Fruit: extent of over colour | medium to large | medium to large | medium to large |
| <input type="checkbox"/> *Fruit: pubescence | absent | absent | absent |
| <input type="checkbox"/> *Fruit: firmness of flesh | firm | | firm |
| <input type="checkbox"/> *Fruit: ground colour of flesh | white | white | white |
| <input type="checkbox"/> *Fruit: anthocyanin colouration directly under skin | absent or very weakly expressed | weakly expressed | absent or very weakly expressed |
| <input type="checkbox"/> *Fruit: anthocyanin colouration of flesh | absent or very weakly expressed | weakly expressed | weakly expressed |
| <input type="checkbox"/> *Fruit: anthocyanin colouration around stone | weakly expressed | strongly expressed | strongly expressed |
| <input type="checkbox"/> Fruit: sweetness | high | | |
| <input type="checkbox"/> Fruit: acidity | very low | | |
| <input type="checkbox"/> *Stone: size compared to fruit | large | large | medium |
| <input checked="" type="checkbox"/> *Stone: shape | obovate | obovate | round |
| <input checked="" type="checkbox"/> *Stone: adherence to flesh | present | absent | absent |
| <input type="checkbox"/> *Time of: maturity | medium | medium | medium |

Prior Applications and Sales

Prior Applications and Sales

| Country | Year | Current Status | Name Applied |
|----------------|-------------|-----------------------|---------------------|
| USA | 1996 | Granted | 'Arctic Blaze' |

First sold in the USA in Feb 1996. First Australian sale August 1999.

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

GRANTS*Agapanthus praecox* ssp. *orientalis*

AFRICAN LILY, LILY OF THE NILE, AGAPANTHUS

‘ATIBlu’^ϕ

Application No: 2004/011 Grantee: **Anthony Tesselaar Plants Pty Ltd**, Silvan, VIC.
 Certificate No: 2935 Expiry Date: 22 November 2025.

Ajuga tenorii

BUGLE BELLS

‘Chocolate Chip’^ϕ syn Valfredda^ϕ

Application No: 2003/180 Grantee: **Lorenzo Crescini**.
 Certificate No: 2918 Expiry Date: 18 October 2025.
 Agent: **Lifetech Laboratories Ltd**, Kincumber, NSW.

Angelonia angustifolia

ANGELONIA

‘Balangloud’^ϕ

Application No: 2004/026 Grantee: **Ball Horticultural Company**.
 Certificate No: 2922 Expiry Date: 3 November 2025.
 Agent: **Ball Australia Pty Ltd**, Dandenong South, VIC.

Anthurium andraeanum

FLAMINGO FLOWER

‘Exciting Love’^ϕ

Application No: 2003/140 Grantee: **Rijnplant B.V.**.
 Certificate No: 2945 Expiry Date: 5 December 2025.
 Agent: **Futura Promotions Pty Ltd**, Wellington Point, QLD.

‘Lady Love’^ϕ

Application No: 2003/137 Grantee: **Rijnplant B.V.**.
 Certificate No: 2944 Expiry Date: 5 December 2025.
 Agent: **Futura Promotions Pty Ltd**, Wellington Point, QLD.

‘Lucky Leny’^ϕ

Application No: 2003/143 Grantee: **Rijnplant B.V.**.
 Certificate No: 2947 Expiry Date: 5 December 2025.
 Agent: **Futura Promotions Pty Ltd**, Wellington Point, QLD.

‘Orange Love’^ϕ

Application No: 2003/044 Grantee: **Rijnplant B.V.**
 Certificate No: 2942 Expiry Date: 5 December 2025.
 Agent: **Futura Promotions Pty Ltd**, Wellington Point, QLD.

‘Red Love’^ϕ

Application No: 2003/045 Grantee: **Rijnplant B.V.**
 Certificate No: 2943 Expiry Date: 5 December 2025.
 Agent: **Futura Promotions Pty Ltd**, Wellington Point, QLD.

‘Sugar Love’^ϕ

Application No: 2003/043 Grantee: **Rijnplant B.V.**
 Certificate No: 2941 Expiry Date: 5 December 2025.
 Agent: **Futura Promotions Pty Ltd**, Wellington Point, QLD.

‘Tender Love’^ϕ

Application No: 2003/141 Grantee: **Rijnplant B.V.**
 Certificate No: 2946 Expiry Date: 5 December 2025.
 Agent: **Futura Promotions Pty Ltd**, Wellington Point, QLD.

Brassica napus var. *oleifera*

CANOLA

‘Tribune’^ϕ

Application No: 2003/065 Grantee: **Canola Breeders Western Australia Pty Ltd**, Shenton Park, WA.
 Certificate No: 2912 Expiry Date: 18 October 2025.

‘Trilogy’^ϕ

Application No: 2003/067 Grantee: **Canola Breeders Western Australia Pty Ltd**, Shenton Park, WA.
 Certificate No: 2913 Expiry Date: 18 October 2025.

Carthamus tinctorius

SAFFLOWER

‘CW 2889’^ϕ

Application No: 2004/236 Grantee: **Cal/West Seeds**.
 Certificate No: 2955 Expiry Date: 19 December 2025.
 Agent: **Adams Australia Pty Ltd**, Morpeth, NSW.

Citrus reticulata x *Citrus sinensis*

TANGOR

‘Code 66-75’^ϕ

Application No: 2001/067 Grantee: **Craig Robert Pressler**, Emerald, QLD.
Certificate No: 2923 Expiry Date: 8 November 2030.

Dianella caerulea

BLUE FLAX-LILY

‘DBB03’^ϕ

Application No: 2003/291 Grantee: **Ozbreed Pty Ltd**, Richmond, NSW.
Certificate No: 2906 Expiry Date: 18 October 2025.

‘DCMP01’^ϕ

Application No: 2003/292 Grantee: **Ozbreed Pty Ltd**, Richmond, NSW.
Certificate No: 2907 Expiry Date: 18 October 2025.

‘DCNCO’^ϕ

Application No: 2003/293 Grantee: **Ozbreed Pty Ltd**, Richmond, NSW.
Certificate No: 2908 Expiry Date: 18 October 2025.

Dianella revoluta

SPREADING FLAX-LILY, BLUEBERRY LILY, BLACK-ANTHER FLAX-LILY, BLUE FLAX LILY

‘DR5000’^ϕ

Application No: 2002/132 Grantee: **Ozbreed Pty Ltd**, Richmond, NSW.
Certificate No: 2903 Expiry Date: 18 October 2025.

‘DRG04’^ϕ

Application No: 2003/289 Grantee: **Ozbreed Pty Ltd**, Richmond, NSW.
Certificate No: 2904 Expiry Date: 18 October 2025.

Dianella tasmanica

FLAX LILY

‘DT23’^ϕ

Application No: 2004/079 Grantee: **Ozbreed Pty Ltd**, Richmond, NSW.
Certificate No: 2909 Expiry Date: 18 October 2025.

‘TR20’^ϕ

Application No: 2003/290 Grantee: **Ozbreed Pty Ltd**, Richmond, NSW.
Certificate No: 2905 Expiry Date: 18 October 2025.

Hydrangea macrophylla

HYDRANGEA

‘Frau Machiko’^ϕ syn Machiko^ϕ

Application No: 1996/114 Grantee: **Miyoshi & Co Ltd.**
 Certificate No: 2952 Expiry Date: 19 December 2025.
 Agent: **Ramm Botanicals Holdings Pty Ltd**, Tuggerah, NSW.

‘Frau Mariko’^ϕ syn Mariko^ϕ

Application No: 1996/113 Grantee: **Miyoshi & Co Ltd.**
 Certificate No: 2951 Expiry Date: 19 December 2025.
 Agent: **Ramm Botanicals Holdings Pty Ltd**, Tuggerah, NSW.

‘Frau Nobuko’^ϕ syn Nobuko^ϕ

Application No: 1996/115 Grantee: **Miyoshi & Co Ltd.**
 Certificate No: 2953 Expiry Date: 19 December 2025.
 Agent: **Ramm Botanicals Holdings Pty Ltd**, Tuggerah, NSW.

‘Frau Sumiko’^ϕ syn Sumiko^ϕ

Application No: 1996/116 Grantee: **Miyoshi & Co Ltd.**
 Certificate No: 2954 Expiry Date: 19 December 2025.
 Agent: **Ramm Botanicals Holdings Pty Ltd**, Tuggerah, NSW.

‘Rasat’^ϕ syn Saturn^ϕ

Application No: 2003/325 Grantee: **Jungpflanzen rampp GmbH.**
 Certificate No: 2919 Expiry Date: 18 October 2025.
 Agent: **Lifetech Laboratories Ltd**, Kincumber, NSW.

Lilium hybrid

LILY

‘Halifax’^ϕ

Application No: 2004/145 Grantee: **Vletter & Den Haan Beheer B.V..**
 Certificate No: 2937 Expiry Date: 22 November 2025.
 Agent: **Watermark - Patent & Trademark Attorneys**, Hawthorn, VIC.

‘Valparaiso’^ϕ

Application No: 2004/148 Grantee: **Vletter & Den Haan Beheer B.V..**
 Certificate No: 2938 Expiry Date: 22 November 2025.
 Agent: **Watermark - Patent & Trademark Attorneys**, Hawthorn, VIC.

‘Veronese’^ϕ

Application No: 2004/149 Grantee: **Vletter & Den Haan Beheer B.V.**
 Certificate No: 2939 Expiry Date: 22 November 2025.
 Agent: **Watermark - Patent & Trademark Attorneys**, Hawthorn, VIC.

‘Vina Del Mar’^ϕ

Application No: 2004/150 Grantee: **Vletter & Den Haan Beheer B.V.**
 Certificate No: 2940 Expiry Date: 22 November 2025.
 Agent: **Watermark - Patent & Trademark Attorneys**, Hawthorn, VIC.

Mandevilla hybrid

MANDEVILLA

‘Sunmandeho’^ϕ syn White Fantasy^ϕ

Application No: 2001/185 Grantee: **Suntory Flowers Limited.**
 Certificate No: 2924 Expiry Date: 8 November 2025.
 Agent: **Ramm Botanicals Pty Ltd**, Tuggerah, NSW.

Nierembergia hybrid

NIEREMBERGIA

‘Sunnicobu’^ϕ syn Lilac Splash^ϕ

Application No: 2003/132 Grantee: **Suntory Flowers Limited.**
 Certificate No: 2920 Expiry Date: 3 November 2025.
 Agent: **Ramm Botanicals Pty Ltd**, Tuggerah, NSW.

‘Sunnikoho’^ϕ syn White Splash^ϕ

Application No: 2003/133 Grantee: **Suntory Flowers Limited.**
 Certificate No: 2921 Expiry Date: 3 November 2025.
 Agent: **Ramm Botanicals Pty Ltd**, Tuggerah, NSW.

Plectranthus purpuratus x *Plectranthus strigosus*

SPURFLOWER

‘Amanda’^ϕ

Application No: 2002/082 Grantee: **Gert J. Brits (Dr).**
 Certificate No: 2917 Expiry Date: 18 October 2025.
 Agent: **Proteaflora Enterprises Pty Ltd**, Monbulk, VIC.

Rosa hybrid

ROSE

‘Koranul’^ϕ

Application No: 2001/295 Grantee: **W. Kordes' Sohne Rosenschulen GmbH & Co KG**.
Certificate No: 2932 Expiry Date: 22 November 2025.
Agent: **Treloar Roses Pty Ltd**, Portland, VIC.

‘Kordroper’^ϕ

Application No: 2002/105 Grantee: **W. Kordes' Sohne Rosenschulen GmbH & Co KG**.
Certificate No: 2934 Expiry Date: 22 November 2025.
Agent: **Treloar Roses Pty Ltd**, Portland, VIC.

‘Korelzoda’^ϕ

Application No: 2001/294 Grantee: **W. Kordes' Sohne Rosenschulen GmbH & Co KG**.
Certificate No: 2931 Expiry Date: 22 November 2025.
Agent: **Treloar Roses Pty Ltd**, Portland, VIC.

‘Kornalist’^ϕ

Application No: 2001/306 Grantee: **W. Kordes' Sohne Rosenschulen GmbH & Co KG**.
Certificate No: 2933 Expiry Date: 22 November 2025.
Agent: **Treloar Roses Pty Ltd**, Portland, VIC.

‘Kortraupfi’^ϕ

Application No: 2001/175 Grantee: **W. Kordes' Sohne Rosenschulen GmbH & Co KG**.
Certificate No: 2930 Expiry Date: 22 November 2025.
Agent: **Treloar Roses Pty Ltd**, Portland, VIC.

‘Lexpiep’^ϕ

Application No: 2004/015 Grantee: **Lex Voorn**.
Certificate No: 2950 Expiry Date: 5 December 2025.
Agent: **Grandiflora Nurseries Pty Ltd**, Skye, VIC.

‘Ruiy5451’^ϕ

Application No: 2003/357 Grantee: **De Ruiter's Nieuwe Rozen B.V.**.
Certificate No: 2949 Expiry Date: 5 December 2025.
Agent: **Grandiflora Nurseries Pty Ltd**, Skye, VIC.

‘Seliron’^ϕ

Application No: 2002/336 Grantee: **TERRA NIGRA Holding B.V.**.
Certificate No: 2958 Expiry Date: 21 December 2025.
Agent: **Grandiflora Nurseries Pty Ltd**, Skye, VIC.

‘TAN98485’^ϕ

Application No: 2003/230 Grantee: **Rosen Tantau, Mathias Tantau Nachfolger**.
 Certificate No: 2948 Expiry Date: 5 December 2025.
 Agent: **Flora International Pty Ltd**, Leppington, NSW.

Saccharum hybrid

SUGARCANE

‘Q212’^ϕ

Application No: 2004/242 Grantee: **BSES Limited**, Indooroopilly, QLD.
 Certificate No: 2925 Expiry Date: 8 November 2025.

‘Q215’^ϕ

Application No: 2004/244 Grantee: **BSES Limited**, Indooroopilly, QLD.
 Certificate No: 2926 Expiry Date: 8 November 2025.

‘Q217’^ϕ

Application No: 2004/245 Grantee: **BSES Limited**, Indooroopilly, QLD.
 Certificate No: 2927 Expiry Date: 8 November 2025.

‘Q218’^ϕ

Application No: 2004/246 Grantee: **BSES Limited**, Indooroopilly, QLD.
 Certificate No: 2928 Expiry Date: 8 November 2025.

‘Q219’^ϕ

Application No: 2004/247 Grantee: **BSES Limited**, Indooroopilly, QLD.
 Certificate No: 2929 Expiry Date: 8 November 2025.

Solanum tuberosum

POTATO

‘Maranca’^ϕ

Application No: 2000/060 Grantee: **Agrico**.
 Certificate No: 2956 Expiry Date: 19 December 2025.
 Agent: **Agrico Australia**, Sydney, NSW.

‘Serafina’^ϕ

Application No: 2000/342 Grantee: **Saatzucht Fritz Lange KG**.
 Certificate No: 2957 Expiry Date: 19 December 2025.
 Agent: **Graham Liney**, Laggan, NSW.

Stenotaphrum secundatum

BUFFALO GRASS, ST AUGUSTINE GRASS

‘Matilda’^ϕ

Application No: 2004/078 Grantee: **Steve Vella and Christopher Solomou**, Ebenezer, NSW.
Certificate No: 2936 Expiry Date: 22 November 2025.

Stylidium graminifolium

GRASS TRIGGER PLANT

‘ST111’^ϕ

Application No: 2003/095 Grantee: **Ozbreed Pty Ltd**, Richmond, NSW.
Certificate No: 2910 Expiry Date: 18 October 2025.

‘ST116’^ϕ

Application No: 2003/109 Grantee: **Ozbreed Pty Ltd**, Richmond, NSW.
Certificate No: 2911 Expiry Date: 18 October 2025.

Triticum aestivum

WHEAT

‘EGA Gregory’^ϕ

Application No: 2004/217 Grantee: **State of Western Australia rep by Chief Executive Officer, State of Qld through Department of Primary Industries and Fisheries, Department of Primary Industries for and on behalf of the State of New South Wales, Grains Research and Development Corporation**, Orange, NSW.
Certificate No: 2915 Expiry Date: 18 October 2025.

‘EGA Wentworth’^ϕ

Application No: 2004/218 Grantee: **State of Western Australia rep by Chief Executive Officer, State of Qld through Department of Primary Industries and Fisheries, Department of Primary Industries for and on behalf of the State of New South Wales, Grains Research and Development Corporation**, Orange, NSW.
Certificate No: 2916 Expiry Date: 18 October 2025.

‘EGA Wylie’^ϕ

Application No: 2004/216 Grantee: **State of Western Australia rep by Chief Executive Officer, State of Qld through Department of Primary Industries and Fisheries, Department of Primary Industries for and on behalf of the State of New South Wales, Grains Research and Development Corporation**, Orange, NSW.
Certificate No: 2914 Expiry Date: 18 October 2025.

DENOMINATION CHANGED

| App. No. | Genus | Species | Common Name | Denomination Changed From | Denomination Changed To |
|-----------------|--------------|----------------|--------------------|----------------------------------|--------------------------------|
| 2004/230 | <i>Vicia</i> | <i>faba</i> | Field Bean | Ic/As-7-3 | Nura |

| OWNER AMENDED | | | | | | | |
|--|--|----------|------------------|------------------|-------------|---------------------------|------------|
| Change from | Change to | App. No. | Genus | species | Common Name | Variety | Synonym |
| Germicopa SA | Germicopa SAS | 2002/061 | <i>Solanum</i> | <i>tuberosum</i> | Potato | Daisy | G86TT198.1 |
| Northern Territory of Australia represented by Department of Business, Industry and Resource Development | Northern Territory of Australia represented by Department of Primary Industry, Fisheries and Mines (DPIFM) | 1995/152 | <i>Sesamum</i> | <i>indicum</i> | Sesame | Edith | |
| Northern Territory of Australia represented by Department of Business, Industry and Resource Development | Northern Territory of Australia represented by Department of Primary Industry, Fisheries and Mines (DPIFM) | 2003/351 | <i>Sesamum</i> | <i>indicum</i> | Sesame | Rakabe | |
| Northern Territory of Australia represented by Department of Business, Industry and Resource Development | Northern Territory of Australia represented by Department of Primary Industry, Fisheries and Mines (DPIFM) | 2003/352 | <i>Sesamum</i> | <i>indicum</i> | Sesame | Rosemarie | |
| Northern Territory of Australia represented by Department of Business, Industry and Resource Development | Northern Territory of Australia represented by Department of Primary Industry, Fisheries and Mines (DPIFM) | 2001/325 | <i>Sesamum</i> | <i>indicum</i> | Sesame | Darzing Dawn | |
| Northern Territory of Australia represented by Department of Business, Industry and Resource Development | Northern Territory of Australia represented by Department of Primary Industry, Fisheries and Mines (DPIFM) | 2001/324 | <i>Sesamum</i> | <i>indicum</i> | Sesame | Darzing Chocolate Delight | |
| Northern Territory of Australia represented by Department of Business, Industry and Resource Development | Northern Territory of Australia represented by Department of Primary Industry, Fisheries and Mines (DPIFM) | 2001/327 | <i>Sesamum</i> | <i>indicum</i> | Sesame | Darzing Blaze | |
| Northern Territory of Australia represented by Department of Business, Industry and Resource Development | Northern Territory of Australia represented by Department of Primary Industry, Fisheries and Mines (DPIFM) | 2001/326 | <i>Sesamum</i> | <i>indicum</i> | Sesame | Darzing Golden Glory | |
| Northern Territory of Australia represented by Department of Business, Industry and Resource Development | Northern Territory of Australia represented by Department of Primary Industry, Fisheries and Mines (DPIFM) | 2001/329 | <i>Sesamum</i> | <i>indicum</i> | Sesame | Darzing Pinelime | |
| Northern Territory of Australia represented by Department of Business, Industry and Resource Development | Northern Territory of Australia represented by Department of Primary Industry, Fisheries and Mines (DPIFM) | 2001/328 | <i>Sesamum</i> | <i>indicum</i> | Sesame | Darzing Sunset | |
| Northern Territory of Australia represented by Department of Business, Industry and Resource Development and Australian Tropical Produce Pty Ltd | Northern Territory of Australia represented by Department of Primary Industry, Fisheries and Mines (DPIFM) and Australian Tropical Produce Pty Ltd | 1996/230 | <i>Mangifera</i> | <i>indica</i> | Mango | Celebration | |

| CHANGE OF AGENT | | | | | | | |
|----------------------------------|-------------------------------------|---------------------------|----------------------|--------------------------------|--------------------|--------------------|------------------------|
| Change From | Change To | Application Number | Genus | Species | Common name | Variety | Synonym |
| Griffith Hack | Oasis Horticulture Pty Ltd | 2004/107 | <i>Argyranthemum</i> | <i>frutescens</i> | Marguerite Daisy | OHAR 01240 | Santa Maria |
| Griffith Hack | Oasis Horticulture Pty Ltd | 2004/106 | <i>Argyranthemum</i> | <i>frutescens</i> | Marguerite Daisy | OHAR 01241 | Monte |
| Griffith Hack | Oasis Horticulture Pty Ltd | 2004/109 | <i>Argyranthemum</i> | <i>frutescens</i> | Marguerite Daisy | OHAR 01245 | Machio |
| Griffith Hack | Oasis Horticulture Pty Ltd | 2004/105 | <i>Argyranthemum</i> | <i>frutescens</i> | Marguerite Daisy | OHAR 01247 | Baleira |
| Griffith Hack | Oasis Horticulture Pty Ltd | 2004/108 | <i>Argyranthemum</i> | <i>frutescens</i> | Marguerite Daisy | OHAR 0132 | Porto Santo |
| Griffith Hack | Oasis Horticulture Pty Ltd | 2000/236 | <i>Bracteantha</i> | <i>bracteata</i> | Everlasting Daisy | NN-9812AA | |
| Griffith Hack | Oasis Horticulture Pty Ltd | 1999/318 | <i>Bracteantha</i> | <i>bracteata</i> | Everlasting Daisy | NN-9812AE | |
| Griffith Hack | Oasis Horticulture Pty Ltd | 2000/237 | <i>Bracteantha</i> | <i>bracteata</i> | Everlasting Daisy | NN-99131A | |
| Griffith Hack | Oasis Horticulture Pty Ltd | 1999/319 | <i>Bracteantha</i> | <i>bracteata</i> | Everlasting Daisy | NN-B9821A | |
| Griffith Hack | Oasis Horticulture Pty Ltd | 1999/320 | <i>Bracteantha</i> | <i>bracteata</i> | Everlasting Daisy | NN-B9892 | |
| Griffith Hack | Oasis Horticulture Pty Ltd | 2004/206 | <i>Bracteantha</i> | <i>bracteata</i> | Everlasting Daisy | OHB00-37.90 | Dreamtime Large Yellow |
| Griffith Hack | Oasis Horticulture Pty Ltd | 1997/128 | <i>Capsicum</i> | <i>annuum var fasciculatum</i> | Dwarf Chilli | Bantam | |
| Griffith Hack | Oasis Horticulture Pty Ltd | 1998/154 | <i>Capsicum</i> | <i>annuum var fasciculatum</i> | Dwarf Chilli | Orange Bantam | |
| Griffith Hack | Oasis Horticulture Pty Ltd | 1997/129 | <i>Capsicum</i> | <i>annuum var fasciculatum</i> | Dwarf Chilli | Thimble | |
| Griffith Hack | Oasis Horticulture Pty Ltd | 2004/313 | <i>Capsicum</i> | <i>annuum var. annuum</i> | Sweet Chilli | Ebony Fire | |
| Griffith Hack | Oasis Horticulture Pty Ltd | 2004/312 | <i>Capsicum</i> | <i>annuum var. annuum</i> | Sweet Chilli | Salsa | |
| Griffith Hack | Oasis Horticulture Pty Ltd | 2004/314 | <i>Capsicum</i> | <i>annuum var. annuum</i> | Sweet Chilli | Seville | |
| Griffith Hack | Oasis Horticulture Pty Ltd | 1996/200 | <i>Chamelaucium</i> | <i>uncinatum</i> | Waxflower | Cascade Brilliance | |
| Griffith Hack | Oasis Horticulture Pty Ltd | 1993/161 | <i>Chamelaucium</i> | <i>uncinatum</i> | Waxflower | Cascade Brook | |
| Griffith Hack | Oasis Horticulture Pty Ltd | 1993/159 | <i>Chamelaucium</i> | <i>uncinatum</i> | Waxflower | Cascade Jewel | |
| Griffith Hack | Oasis Horticulture Pty Ltd | 1993/160 | <i>Chamelaucium</i> | <i>uncinatum</i> | Waxflower | Cascade Mist | |
| Colourwise Nursery (NSW) Pty Ltd | Plants Management Australia Pty Ltd | 1998/173 | <i>Campanula</i> | <i>punctata</i> | Bell Flower | Mystic Bells | |
| Ramm Botanicals Pty Ltd | Ramm Botanicals Holdings Pty Ltd | 1996/113 | <i>Hydrangea</i> | <i>macrophylla</i> | Hydrangea | Frau Mariko | Mariko |
| Ramm Botanicals Pty Ltd | Ramm Botanicals Holdings Pty Ltd | 1996/114 | <i>Hydrangea</i> | <i>macrophylla</i> | Hydrangea | Frau Machiko | Machiko |
| Ramm Botanicals Pty Ltd | Ramm Botanicals Holdings Pty Ltd | 1996/115 | <i>Hydrangea</i> | <i>macrophylla</i> | Hydrangea | Frau Nobuko | Nobuko |
| Ramm Botanicals Pty Ltd | Ramm Botanicals Holdings Pty Ltd | 1996/116 | <i>Hydrangea</i> | <i>macrophylla</i> | Hydrangea | Frau Suniko | Suniko |

| ASSIGNMENT OF RIGHTS | | | | | | |
|--|---------------------------|-----------------|-------------------|---------------------|--------------------|---------------------|
| Change from | Change to | App. No. | Genus | species | Common Name | Variety |
| Monsanto Australia Limited | Ag-Seed Research Pty Ltd | 2004/266 | <i>Brassica</i> | <i>napus</i> | Canola | AG-Drover |
| Monsanto Australia Limited | Ag-Seed Research Pty Ltd | 2004/267 | <i>Brassica</i> | <i>napus</i> | Canola | AG-Comet |
| Andrew Beal and Anthony Sharley | Ewinexchange Limited | 1996/028 | <i>Santalum</i> | <i>acuminatum</i> | Sweet Quandong | Frahn's Paringa Gem |
| Phillip Norman Gibbons & Joyleen May Gibbons | Southern Cross University | 2002/185 | <i>Withania</i> | <i>somnifera</i> | Winter Cherry | Gibbons Australia |
| Cooks Flowers Pty Ltd | E.G. & E.R. Cook | 2002/266 | <i>Ozothamnus</i> | <i>diosmifolius</i> | Riceflower | Just Blush |

AGENT NO LONGER APPOINTED

| | Application Number | Genus | Species | Common name | Variety |
|---|---------------------------|-----------------|-----------------|--------------------|-----------------|
| Director of Enterprise Grains Australia | 2003/160 | <i>Triticum</i> | <i>aestivum</i> | Wheat | EGA 2248 |
| Director of Enterprise Grains Australia | 2003/161 | <i>Triticum</i> | <i>aestivum</i> | Wheat | EGA Bonnie Rock |
| Director of Enterprise Grains Australia | 2003/252 | <i>Triticum</i> | <i>aestivum</i> | Wheat | EGA Blanco |
| Director of Enterprise Grains Australia | 2003/253 | <i>Triticum</i> | <i>aestivum</i> | Wheat | EGA Castle Rock |
| Director of Enterprise Grains Australia | 2003/254 | <i>Triticum</i> | <i>aestivum</i> | Wheat | EGA Jitarning |
| Director of Enterprise Grains Australia | 2004/197 | <i>Triticum</i> | <i>aestivum</i> | Wheat | EGA Eagle Rock |
| Director of Enterprise Grains Australia | 2004/216 | <i>Triticum</i> | <i>aestivum</i> | Wheat | EGA Wylie |
| Director of Enterprise Grains Australia | 2004/217 | <i>Triticum</i> | <i>aestivum</i> | Wheat | EGA Gregory |
| Director of Enterprise Grains Australia | 2004/218 | <i>Triticum</i> | <i>aestivum</i> | Wheat | EGA Wentworth |

| WITHDRAWN –following varieties are no longer under PBR provisional protection | | | | |
|--|---------------------|---|--------------------|---------------------|
| App. No. | Genus | Species | Common Name | Variety |
| 2004/298 | <i>Geranium</i> | hybrid | Geranium | Jolly Bee |
| 2001/122 | <i>Lolium</i> | hybrid | Hybrid ryegrass | BQT |
| 2004/234 | <i>Lupinus</i> | <i>luteus</i> | Yellow Lupin | Karbunga |
| 2004/252 | <i>Mangifera</i> | <i>indica</i> | Mango | President |
| 2002/115 | <i>Ornithogalum</i> | hybrid | Star of Bethlehem | Chesapeake Blaze |
| 2002/112 | <i>Ornithogalum</i> | hybrid | Star of Bethlehem | Chesapeake Daybreak |
| 2004/192 | <i>Prunus</i> | <i>persica</i> | Peach | Burauspchone |
| 2004/186 | <i>Prunus</i> | <i>persica</i> var. <i>nucipersica</i> | Nectarine | Burnectfive |
| 2004/337 | <i>Rosa</i> | hybrid | Rose | Grandured |
| 2002/151 | <i>Rosa</i> | hybrid | Rose | Meibiru |
| 2004/316 | <i>Triticum</i> | <i>turgidum</i> ssp. <i>durum</i> | Durum Wheat | TD94B |
| 2004/315 | <i>Triticum</i> | <i>turgidum</i> ssp. <i>durum</i> | Durum Wheat | TD94C |

| SURRENDERED –following varieties are no longer under PBR protection | | | | | |
|--|---------------------|---|-------------------|-------------------------------|--------------------|
| App. No. | Genus | Species | Variety | Synonym | Common Name |
| 2003/158 | <i>Arctotis</i> | hybrid | Pink Posy | | African Daisy |
| 1998/049 | <i>Avena</i> | <i>sativa</i> | HERITAGE LORDSHIP | | Oats |
| 1996/040 | <i>Brassica</i> | <i>napus</i> | KAROO | | Canola |
| 1996/227 | <i>Brassica</i> | <i>napus</i> | Monty | | Canola |
| 1999/213 | <i>Caustis</i> | <i>blakei</i> subsp <i>macrantha</i> | Forest Fantasy | | Koala Fern |
| 1997/193 | <i>Euphorbia</i> | <i>pulcherrima</i> | DUEDAY | RED FOX HIGHLIGHT WHITE | Poinsettia |
| 1999/081 | <i>Gaura</i> | <i>lindheimeri</i> | Sunny Butterflies | | Gaura |
| 1991/125 | <i>Glycine</i> | <i>max</i> | 9791 | | Soybean |
| 1994/080 | <i>Gossypium</i> | <i>hirsutum</i> | CS 8S | | Cotton |
| 2001/164 | <i>Gossypium</i> | <i>hirsutum</i> | Sicala V-3i | | Cotton |
| 2000/324 | <i>Gossypium</i> | <i>hirsutum</i> | Sicala V-3rri | | Cotton |
| 2000/280 | <i>Gossypium</i> | <i>hirsutum</i> | Sicot 289i | | Cotton |
| 2000/283 | <i>Gossypium</i> | <i>hirsutum</i> | Sicot 72 | | Cotton |
| 1996/089 | <i>Gossypium</i> | <i>hirsutum</i> | SIOKRA S-101 | | Cotton |
| 2001/163 | <i>Gossypium</i> | <i>hirsutum</i> | Siokra S-101i | | Cotton |
| 1995/298 | <i>Hibiscus</i> | <i>rosa-sinensis</i> | West Coast Jewel | | Chinese Hibiscus |
| 1995/299 | <i>Hibiscus</i> | <i>rosa-sinensis</i> | West Coast Red | | Chinese Hibiscus |
| 1995/254 | <i>Hydrangea</i> | <i>macrophylla</i> | Hobella | | Hydrangea |
| 1998/092 | <i>Hydrangea</i> | <i>macrophylla</i> | Homigo | | Hydrangea |
| 1998/091 | <i>Hydrangea</i> | <i>macrophylla</i> | Hopaline | | Hydrangea |
| 1993/034 | <i>Lolium</i> | <i>perenne</i> | DOBSON | | Perennial Ryegrass |
| 1998/011 | <i>Pelargonium</i> | <i>xhortorum</i> | Pink Heart | Showcase Pink Heart | Pelargonium |
| 1998/009 | <i>Pelargonium</i> | <i>xhortorum</i> | Starburst Red | | Pelargonium |
| 1990/102 | <i>Radermachera</i> | <i>sinica</i> | KAPRIMA | CRYSTAL DOLL | Radermachera |
| 1994/199 | <i>Rosa</i> | hybrid | FRYTRANQUIL | GOLDEN MOMENTS | Rose |
| 1994/201 | <i>Rosa</i> | hybrid | FRYTROOPER | DAILY POST | Rose |
| 1995/024 | <i>Rosa</i> | hybrid | JACFRE | CITY OF GOULBURN | Rose |
| 1996/068 | <i>Rosa</i> | hybrid | JACNOR | SIGNATURE | Rose |
| 1995/027 | <i>Rosa</i> | hybrid | POULBERO | SOLITUDE | Rose |
| 1995/033 | <i>Rosa</i> | hybrid | POULLEN | LITTLE BO PEEP | Rose |
| 1999/381 | <i>Rosa</i> | hybrid | Poulsail | | Rose |
| 1999/223 | <i>Rosa</i> | hybrid | TWOAEBI | | Rose |
| 1999/222 | <i>Rosa</i> | hybrid | TWOJOAN | | Rose |
| 1999/224 | <i>Rosa</i> | hybrid | TWOPPAUL | | Rose |
| 1999/225 | <i>Rosa</i> | hybrid | TWOYEL | | Rose |
| 1998/077 | <i>Rosa</i> | hybrid | Wekdykstra | Rose of Narromine | Rose |
| 1999/284 | <i>Sporobolus</i> | <i>virginicus</i> | Ozlawm | | Sand Couch |
| 2002/033 | <i>Sutera</i> | <i>cordata</i> | Yasflos | | Bacopa |
| 1999/331 | <i>Triticum</i> | <i>aestivum</i> | QT7208 | | Wheat |
| 1993/110 | <i>Triticum</i> | <i>turgidum</i> | WOLLAROI | | Wheat |
| 1997/326 | <i>Triticum</i> | <i>turgidum</i> ssp. <i>turgidum</i> | Tamaroi | | Durum Wheat |

| REVOKED –following varieties are no longer under PBR protection | | | | | |
|--|---|-------------------|----------------|----------------|--------------------|
| App. No. | Genus | Species | Variety | Synonym | Common Name |
| 1995/158 | <i>Canna</i> | hybrid | Phasion | Pink Phasion | Canna |
| 1990/011 | <i>Chamelaucium</i> | <i>floriferum</i> | Lady Jennifer | | Waxflower |
| 2000/338 | <i>Chrysanthemum</i> | hybrid | UoM92-333-2 | | Chrysanthemum |
| 1990/009 | <i>Verticordia plumosa</i> x <i>Chamelaucium uncinatum</i> | | Eric John | | Waxflower |

Medicago sativa

Lucerne

‘SuperAurora’ syn Icon

Application No: 2003/ 018

Journal Reference: PVJ 17(2) page 414

Corrigenda:

Choice of Comparators Three comparators were selected. ‘Aurora’ is the parent. ‘SARDI Seven’ and ‘Genesis’ are similar in having medium winter dormancy. ‘WL 414’ was excluded as it is no longer covered by PBR and withdrawn from the market. ‘WL414’ also has a moderate level of anthracnose resistance whereas ‘SuperAurora’ is susceptible. ‘Hunterfield’ was excluded because it is a very old variety susceptible to *Phytophthora* root rot, whereas ‘SuperAurora’ has high resistance. ‘Grasslands Kaituna’, ‘L55’ and ‘Venus’ were considered more winter dormant than ‘SuperAurora’. ‘UQL1’ was considered more winter active and in addition, can be distinguished from ‘SuperAurora’ by its having some expression of variegated flowers. Other varieties were excluded because they have more or less winter dormancy.

Medicago sativa

Lucerne

‘SuperSequel’ syn SuperCuf

Application No: 2003/ 020

Journal Reference: PVJ 17(2) page 411

Corrigenda:

Origin and Breeding The variety ‘SuperCuf’ was developed by three cycles of recurrent mass selection among selections from the variety ‘Cuf 101’. In two cycles of selection there may have been cross pollination from plants of the variety ‘Sequel’ which was derived from a cross between ‘Cuf 101’ and ‘Siro Peruvian’. Plants were selected from 1998 to 1999 on disease resistance, morphology, and particularly on ability to set large numbers of pods. Selected plants were transferred to polycross blocks for reselection on fodder production, disease and pest resistance, high numbers of pods set and high seed production. Progenies were reselected in a nursery in which undesirable plants were eliminated and survivors were allowed to cross pollinate to produce seed in a seed production area in South Australia. ‘SuperCuf’ has been stable for two generations and is most readily distinguished from the parents ‘Cuf101’ and ‘Sequel’ by its rapid pod set and high forage and seed yield. The programs were conducted at Canberra, ACT and Keith, South Australia by Dr Ross Downes for Seed Genetics Australia.

Corrigenda:

Choice of Comparators Two comparators were selected. ‘Cuf101’ is the maternal parent and the principal pollen parent. ‘Sequel’ was selected as a comparator as it may have made a pollen contribution to ‘SuperCuf’. The variety ‘Siro Peruvian’, a parent of ‘Sequel’, was not included as it is no longer grown. Other varieties were excluded because they have more or less winter dormancy, or different levels of pest and disease resistance.

Part 3 Appendices

The appendices to *Plant Varieties Journal* (**Vol. 18 Issue 4**) are listed below:

- [Home](#)
- [Appendix 1 - Fees](#)
- [Appendix 2 - Plant Breeder's Rights Advisory Committee](#)
- [Appendix 3 - Index of Accredited Consultant 'Qualified Persons'](#)
- [Appendix 4 - Index of Accredited Non-Consultant 'Qualified Persons'](#)
- [Appendix 5 - Addresses of UPOV and Member States](#)
- [Appendix 6 - Centralised Testing Centres](#)
- [Appendix 7 - List of Plant Classes for Denomination Purposes](#)
- [Appendix 8 - Register of Plant Varieties](#)

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.

The Treasurer has determined that all statutory fees under PBR regulations will be exempted from GST.

Payment of Fees

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

Collector of Public Monies
C/-Plant Breeders Rights Office, IP Australia
GPO Box 200
Woden, ACT 2606

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).

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 44 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 breeders 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 75 of the Act.

FEES

| Basic Fees | Schedule | | | |
|-------------------------------|-------------|-------------|-------------|-------------|
| | A | B | C | D |
| | \$ | | | |
| Application | 300 | 300 | 400 | 300 |
| Examination - per application | 1400 | 1200 | 1400 | 800 |
| Certificate | 300 | 300 | 250 | 300 |
| Total Basic Fees | 2000 | 1800 | 2050 | 1400 |

Annual Renewal - all applications 300

Schedule

- A** Single applications and applications based on an official overseas test reports.
B 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.
C Applications lodged under PVR (prior to 10th Nov 1994)
D Applicable to 5 or more applications examined at an Accredited Centralised Testing Centre

Other Fees

| | |
|--|-----|
| Variation to application(s) - per hour or part thereof | 75 |
| Change of Assignment - per application | 100 |
| Copy of an application (Part1 and/or Part2) , an objection or a detailed description | 50 |
| Copy of an entry in the Register | 50 |
| Lodging an objection | 100 |
| Annual subscription to Plant Varieties Journal | 40 |
| Back issues of Plant Varieties Journal | 14 |
| Administration - Other work relevant to PBR - per hour or part thereof | 75 |
| 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 | 100 |

APPENDIX 2**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*.)

Committee Members

| | |
|---|---|
| <p>Member Representing Plant Breeders</p> <p>Dr Paul Brennan Rock Valley Post Office via Lismore 1201 Cawongla Rd LARNOOK NSW 2480</p> | <p>Member Representing Plant Breeders</p> <p>Dr Ross Downes PO Box 256 HAWKER ACT 2614</p> |
| <p>Member Representing Users</p> <p>Mr Jeff Arney C/- Post Office BORDERTOWN SA 5268</p> | <p>Member Representing Consumers</p> <p>Mr Kim Syrus PO Box 4 MYPONGA SA 5202</p> |
| <p>Member Representing Conservation Interests</p> <p>Mr Bruce Lloyd Fairley Downs 5250 Barmah-Shepparton Rd TALLYGAROPNA VIC 3634</p> | <p>Member Representing Indigenous Interests</p> <p>Professor Roger Leakey GPO Box 6811 CAIRNS QLD 4870</p> |
| <p>Member with Appropriate Qualifications</p> <p>Dr Ben Robinson PO Box 560 FULLARTON SA 5063</p> | <p>Member with Appropriate Qualifications</p> <p>Ms Anna Sharpe GPO Box 55 BRISBANE QLD 4001</p> |
| <p>Registrar (Chair)</p> <p>Mr Doug Waterhouse IP Australia PO Box 200 Woden ACT 2606</p> | |

APPENDIX 3 - INDEX OF ACCREDITED CONSULTANT 'QUALIFIED PERSONS'

The following persons have been accredited by the PBR 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) |
|-------------------------------|---|
| Actinidia | Lye, Colin Richards, Graeme |
| Almonds | Granger, Andrew Swinburn, Garth |
| Apple | Cramond, Gregory Darmody, Liz Engel, Richard Fleming, Graham Langford, Garry Mackay, Alastair Maddox, Zoe Malone, Michael Mitchell, Leslie Portman, Anthony Robinson, Ben Scholefield, Peter Stearne, Peter Tancred, Stephen Valentine, Bruce |
| Anigozanthos | Paananen, Ian Kirby, Greg Smith, Daniel |
| Aroid | Harrison, Peter |

| | |
|---------|--|
| Avocado | Lye, Colin Owen-Turner, John Swinburn, Garth Whiley, Tony |
|---------|--|

| | |
|--------|--|
| Azalea | Barrett, Mike Hempel, Maciej Paananen, Ian |
|--------|--|

| | |
|-----------------|--|
| Barley (Common) | Brouwer, Jan Collins, David Khan, Akram Platz, Greg |
|-----------------|--|

| | |
|-------------|--|
| Berry Fruit | Darmody, Liz Fleming, Graham Greer, Neil Maddox, Zoe Robinson, Ben Scholefield, Peter |
|-------------|--|

| | |
|---------------|--------------------------------------|
| Bougainvillea | Iredell, Janet Willa Prince, John |
|---------------|--------------------------------------|

| | |
|----------|--|
| Brassica | Aberdeen, Ian Chequer, Robert Easton, Andrew Fennell, John Gororo, Nelson Kadkol, Gururaj Laker, Richard Light, Kate McMichael, Prue Robinson, Ben Rudolph, Paul Sanders, Milton Scholefield, Peter Mouwen, Heidi Zadow, Diane |
|----------|--|

| | |
|----------|-----------------------------|
| Buddleia | Robb, John Paananen, Ian |
|----------|-----------------------------|

| | |
|----------|-----------------------------|
| Camellia | Paananen, Ian Robb, John |
|----------|-----------------------------|

Cereals

Brouwer, Jan
 Bullen, Kenneth
 Collins, David
 Cook, Bruce
 Derera, Nicholas AM
 Downes, Ross
 Fennell, John
 Hare, Raymond
 Harrison, Peter
 Henry, Robert J
 Khan, Akram
 Law, Mary Ann
 Mitchell, Leslie
 Moore, Stephen
 Oates, John
 Platz, Greg
 Porter, Richard
 Poulsen, David
 Roake, Jeremy
 Rose, John
 Scattini, Walter John
 Siedel, John
 Stearne, Peter
 Wilson, Frances

Cherry

Cramond, Gregory
 Darmody, Liz
 Fleming, Graham
 Granger, Andrew
 Mackay, Alastair
 Maddox, Zoe
 Mitchell, Leslie
 Pumpa, Lucy
 Robinson, Ben
 Scholefield, Peter

Chickpeas

Brouwer, Jan
 Collins, David
 Goulden, David

Citrus

Calabria, Patrick
 Fox, Primrose
 Lee, Slade
 Maddox, Zoe
 Mitchell, Leslie
 Owen-Turner, John
 Parr, Wayne
 Robinson, Ben
 Scholefield, Peter
 Swinburn, Garth
 Sykes, Stephen
 Topp, Bruce

Clivia

Smith, Kenneth

| | |
|------------------|--|
| Clover | Lake, Andrew Miller, Jeff Mitchell, Leslie Nichols, Phillip Porter, Richard |
| Conifer | Stearne, Peter |
| Cotton | Derera, Nicholas AM Khan, Akram Leske, Richard |
| Cucurbits | Herrington, Mark McMichael, Prue Robinson, Ben Scholefield, Peter Sykes, Stephen |
| Dogwood | Darmody, Liz Fleming, Graham Maddox, Zoe Stearne, Peter |
| Feijoa | Robinson, Ben Scholefield, Peter |
| Fibre Crops | Gillespie, David Khan, Akram |
| Fig | Darmody, Liz Fleming, Graham Maddox, Zoe |
| Flower Bulbs | Verdegaal, John |
| Forage Brassicas | Goulden, David |
| Forage Grasses | Fennell, John Harrison, Peter Kirby, Greg Mitchell, Leslie Smith, Kevin |
| Forage Legumes | Fennell, John Foster, Kevin Harrison, Peter Hill, Jeff Lake, Andrew Miller, Jeff Porter, Richard Siedel, John |

| | |
|-----------|--|
| Fruit | Cramond, Gregory Darmody, Liz Fleming, Graham Gillespie, David Granger, Andrew Kennedy, Peter Lenoir, Roland Maddox, Zoe McCarthy, Alec Mitchell, Leslie Portman, Sian Pumpa, Lucy Robinson, Ben Scholefield, Peter |
| Ginger | Whiley, Tony |
| Grapes | Biggs, Eric Darmody, Liz Fleming, Graham Lee, Slade Lye, Colin Maddox, Zoe Mitchell, Leslie Porter, Richard Pumpa, Lucy Robinson, Ben Scholefield, Peter Smith, Daniel Stearne, Peter Swinburn, Garth Sykes, Stephen |
| Grevillea | Herrington, Mark |
| Hydrangea | Hanger, Brian Maddox, Zoe |
| Impatiens | Paananen, Ian |
| Jojoba | Dunstone, Bob |

| | |
|----------------|---|
| Legumes | Aberdeen, Ian Collins, David Cook, Bruce Cruickshank, Alan Downes, Ross Foster, Kevin Harrison, Peter Imrie, Bruce Kirby, Greg Khan, Akram Knights, Edmund Lake, Andrew Law, Mary Ann Loch, Don Mitchell, Leslie Nutt, Bradley Rose, John Siedel, John |
| Lentils | Brouwer, Jan Collins, David Goulden, David Khan, Akram Porter, Richard |
| Lucerne | Lake, Andrew Mitchell, Leslie Nichols, Phillip Porter, Richard |
| Lupin | Collins, David Sanders, Milton |
| Magnolia | Paananen, Ian |
| Mango | Lye, Colin Owen-Turner, John Mitchell, Leslie Whiley, Tony |
| Myrtaceae | Dunstone, Bob |
| Native grasses | Paananen, Ian Quinn, Patrick |
| Oat | Collins, David Khan, Akram Platz, Greg |
| Oilseed crops | Downes, Ross Poulsen, David Siedel, John |
| Olives | Bazzani, Mr Luigi Granger, Andrew |

Onions

Fennell, John
 Khan, Akram
 Laker, Richard
 McMichael, Prue
 Robinson, Ben
 Scholefield, Peter

 Ornamentals - Exotic

Abell, Peter
 Armitage, Paul
 Angus, Tim
 Barth, Gail
 Collins, Ian
 Cunneen, Thomas
 Dalglish, Ian
 Darmody, Liz
 Dawson, Iain
 Derera, Nicholas AM
 Eggleton, Steve
 Ellison, Don
 Fisk, Anne Marie
 Fleming, Graham
 Guy, Gareme
 Harrison, Peter
 Hempel, Maciej
 Johnston, Margaret
 Khan, Akram
 Kulkarni, Vinod
 Lamont, Greg
 Larkman, Clive
 Lenoir, Roland
 Lowe, Greg
 Lunghusen, Mark
 Maddox, Zoe
 Marcsik, Doris
 McMichael, Prue
 Milne, Carolynn
 Mitchell, Hamish
 Mitchell, Leslie
 Nichols, David
 Oates, John
 O'Brien, Shaun
 Paananen, Ian
 Prescott, Chris
 Prince, John
 Robb, John
 Pumpa, Lucy
 Robinson, Ben
 Scholefield, Peter
 Singh, Deo
 Smith, Daniel
 Stearne, Peter
 Stewart, Angus
 Van der Staay,
 Rosemaree Anne
 Watkins, Phillip

Ornamentals - Indigenous

Abell, Peter
 Allen, Paul
 Angus, Tim
 Barrett, Mike
 Barth, Gail
 Cunneen, Thomas
 Dawson, Iain
 Derera, Nicholas AM
 Downes, Ross
 Ellison, Don
 Eggleton, Steve
 Granger, Andrew
 Harrison, Peter
 Henry, Robert J
 Hockings, David
 Jack, Brian
 Johnston, Margaret
 Kirby, Greg
 Khan, Akram
 Lenoir, Roland
 Lowe, Greg
 Lullfitz, Robert
 Lunghusen, Mark
 McMichael, Prue
 Milne, Carolynn
 Mitchell, Hamish
 Molyneux, W M
 Nichols, David
 Oates, John
 O'Brien, Shaun
 Paananen, Ian
 Prince, John
 Pumpa, Lucy
 Robinson, Ben
 Scholefield, Peter
 Singh, Deo
 Slater, Tony
 Smith, Daniel
 Stearne, Peter
 Tan, Beng
 Watkins, Phillip

 Ornithopus

Foster, Kevin
 Nichols, Phillip
 Nutt, Bradley

 Osmanthus

Paananen, Ian
 Robb, John

Pastures & Turf

Aberdeen, Ian
 Anderson, Malcolm
 Avery, Angela
 Cameron, Stephen
 Cook, Bruce
 Downes, Ross
 Harrison, Peter
 Kirby, Greg
 Loch, Don
 Miller, Jeff
 Mitchell, Leslie
 Neylan, John
 Porter, Richard
 Rose, John
 Smith, Raymond
 Scattini, Walter John
 Smith, Kevin
 Wilkes, Gregory
 Wilson, Frances

Peanut

Cruickshank, Alan
 George, Doug

Pear

Cramond, Gregory
 Darmody, Liz
 Engel, Richard
 Fleming, Graham
 Langford, Garry
 Mackay, Alastair
 Maddox, Zoe
 Malone, Michael
 Portman, Anthony
 Robinson, Ben
 Scholefield, Peter
 Tancred, Stephen
 Valentine, Bruce

Persimmon

Swinburn, Garth

Petunia

Paananen, Ian
 Nichols, David

Photinia

Robb, John

Pistacia

Richardson, Clive
 Sykes, Stephen

Pisum

Brouwer, Jan
 Goulden, David
 McMichael, Prue
 Sanders, Milton

| | |
|--------------|--|
| Potatoes | Fennell, John Guertsen, Paul Hill, Jim McMichael, Prue Pumpa, Lucy Robinson, Ben Scholefield, Peter Slater, Tony Smith, Daniel Stearne, Peter Wilson, Graeme |
| Proteaceae | Barth, Gail Kirby, Neil Robb, John Robinson, Ben Scholefield, Peter Smith, Daniel |
| Prunus | Calabria, Patrick Cramond, Gregory Darmody, Liz Engel, Richard Fleming, Graham Granger, Andrew Kennedy, Peter Mackay, Alastair Maddox, Zoe Malone, Michael Portman, Anthony Richards, Graeme Topp, Bruce Wilkes, Gregory Witherspoon, Jennifer |
| Pulse Crops | Brouwer, Jan Collins, David Graetz, Darren Oates, John Porter, Richard Poulsen, David |
| Raspberry | Darmody, Liz Fleming, Graham Herrington, Mark Robinson, Ben Scholefield, Peter |
| Rhododendron | Barrett, Mike Paananen, Ian |

| | |
|------|---|
| Rose | Barrett, Mike Darmody, Liz Fleming, Graham Fox, Primrose Hanger, Brian Lee, Peter Maddox, Zoe McKirby, Simon Prescott, Chris Pumpa, Lucy Robinson, Ben Scholefield, Peter Smith, Daniel Stearne, Peter Swane, Geoff Syrus, A Kim |
|------|---|

| | |
|--------|---|
| Sesame | Bennett, Malcolm Harrison, Peter Imrie, Bruce |
|--------|---|

| | |
|---------|-------------|
| Sorghum | Khan, Akram |
|---------|-------------|

| | |
|---------|----------------------------------|
| Soybean | Harrison, Peter James, Andrew |
|---------|----------------------------------|

| | |
|-----------------------------|------------------------------------|
| Spices and Medicinal Plants | Derera, Nicholas AM Khan, Akram |
|-----------------------------|------------------------------------|

| | |
|-------------|---|
| Stone Fruit | Barrett, Mike Cramond, Gregory Darmody, Liz Fleming, Graham Granger, Andrew Kennedy, Peter Mackay, Alistair Maddox, Zoe Malone, Michael Robinson, Ben Scholefield, Peter Swinburn, Garth Valentine, Bruce |
|-------------|---|

| | |
|------------|--|
| Strawberry | Herrington, Mark Mitchell, Leslie Morrison, Bruce Robinson, Ben Scholefield, Peter |
|------------|--|

| | |
|-----------|--------------------------------|
| Sugarcane | Cox, Mike Piperidis, George |
|-----------|--------------------------------|

| | |
|-----------|--------------|
| Sunflower | George, Doug |
|-----------|--------------|

| | |
|--------|--|
| Tomato | Herrington, Mark Khan, Akram Laker, Richard McMichael, Prue Robinson, Ben Scholefield, Peter Smith, Daniel |
|--------|--|

| | |
|------------|-------------|
| Tree Crops | McRae, Tony |
|------------|-------------|

| | |
|-----------|----------------|
| Triticale | Collins, David |
|-----------|----------------|

| | |
|-----------------------------|---|
| Tropical/Sub-Tropical Crops | Harrison, Peter Kulkarni, Vinod Robinson, Ben Scholefield, Peter Whiley, Tony |
|-----------------------------|---|

| | |
|---------------|---------------|
| Umbrella Tree | Paananen, Ian |
|---------------|---------------|

| | |
|------------|--|
| Vegetables | Derera, Nicholas AM Fennell, John Frkovic, Edward Gillespie, David Harrison, Peter Khan, Akram Laker, Richard Lenoir, Roland McMichael, Prue Oates, John Pearson, Craig Pumpa, Lucy Robinson, Ben Scholefield, Peter Smith, Daniel Westra Van Holthe, Jan |
|------------|--|

| | |
|---------|---------------|
| Verbena | Paananen, Ian |
|---------|---------------|

| | |
|--------|------------------|
| Walnut | Mitchell, Leslie |
|--------|------------------|

| | |
|---------------------------------|---|
| Wheat (Aestivum & Durum Groups) | Brouwer, Jan Collins, David Khan, Akram Platz, Greg Sanders, Milton |
|---------------------------------|---|

TABLE 2

| NAME | TELEPHONE | AREA OF OPERATION |
|---------------------|---|---|
| Abell, Peter | 0438 392 837 mobile | Australia |
| Aberdeen, Ian | 03 5782 1029 03 5782 2073 fax | SE Australia |
| 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 |
| Angus, Tim | (64 4) 568 3878 ph/fax 001164211871076 mobile plantatim@zip.co.nz | Australia and New Zealand |
| Armitage, Paul | 03 9756 7233 03 9756 6948 fax | Victoria |
| Avery, Angela | 02 6030 4500 02 6030 4600 fax | South Eastern Australia |
| Barrett, Mike | 02 9875 3087 02 9980 1662 fax 0407 062 494 mobile | NSW/ACT |
| Barth, Gail | 08 8389 7479 | SA and Victoria |
| Bazzani, Luigi | 08 9772 1207 08 9772 1333 fax | Western Australia |
| Bennett, Malcolm | 08 8973 9733 08 8973 9777 fax | NT, QLD, NSW, WA |
| Biggs, Eric | 03 5023 2400 03 5023 3922 fax | Mildura Area |
| Brouwer, Jan | 03 53846293 janbertb@wimmera.com.au | South Eastern Australia |
| Calabria, Patrick | 02 6963 6360 0438 636 219 mobile | Riverina area of NSW |
| Chequer, Robert | 03 5382 1269 0419 145 262 mobile | Victoria |
| Collins, David | 08 9623 2343 ph/fax 0154 42694 mobile | Central Western Wheatbelt of Western Australia |
| Cox, Mike | 07 4132 5200 07 4132 5253 fax | Queensland and NSW |
| Cramond, Gregory | 08 8390 0299 08 8390 0033 fax 0417 842 558 mobile | Australia |
| Cruickshank, Alan | 07 4160 0722 07 4162 3238 fax | QLD |
| Cunneen, Thomas | 02 4889 8647 02 4889 8657 fax | Sydney Region |
| Dalgliesh, Ian | 07 3344 5559 ph/fax 0419 792 663 mobile | South East Queensland |
| Darmody, Liz | 03 9756 6105 03 9752 0005 fax | Australia |
| Dawson, Iain | 02 6251 2293 | ACT, South East NSW |
| Derera, Nicholas AM | 02 9639 3072 02 9639 0345 fax 0414 639 307 mobile | Australia |
| Downes, Ross | 02 6255 1461 ph 02 6278 4676 fax 0414 955258 mobile | ACT, South East Australia |
| Dunstone, Bob | 02 6281 1754 ph/fax | South East NSW |
| Easton, Andrew | 07 4690 2666 07 4630 1063 fax | QLD and NSW |

| | | |
|-------------------------------------|---|--|
| Eggleton, Steve | 03 9876 1097 03 9876 1696 fax | Melbourne Region |
| Ellison, Don Engel, Richard | 07 5533 2955 08 9397 5941 08 9397 5941 fax | QLD and NSW WA |
| Fennell, John | 03 5334 7871 03 5334 7892 fax 0419 881 887 | Australia |
| Fleming, Graham | 03 9756 6105 03 9752 0005 fax | Australia |
| Foster, Kevin | 08 9368 3804 08 9474 2840 fax | Mediterranean areas of Australia |
| Frkovic, Edward | 02 6962 7333 02 6964 1311 fax | Australia |
| George, Doug | 07 5460 1308 07 5460 1112 fax | Australia |
| Gillespie, David | 07 4155 6344 07 4155 6656 fax | Wide Bay Burnett District, QLD |
| Gororo, Nelson | 03 5382 5911 03 5382 5755 fax 0428 534 770 mobile | Mediterranean areas of Australia |
| Goulden, David | 64 3 325 6400 64 3 325 2074 fax | New Zealand |
| Graetz, Darren | 08 8303 9362 08 8303 9424 fax | South Australia |
| Granger, Andrew | 08 8389 8809 08 8389 8899 fax | South Australia |
| Greer, Neil | 07 5441 1118 07 5476 0098 fax 0418 881 755 mobile | Australia |
| Guertsen, Paul | 02 6845 3789 02 6845 3382 fax 0407 658 105 mobile | NSW, VIC, SE QLD |
| Hanger, Brian | 03 9837 5547 ph/fax 0418 598106 mobile | Victoria |
| Hare, Ray | 02 6763 1232 02 6763 1222 fax | QLD, NSW VIC & SA |
| Harrison, Peter | 08 8948 1894 ph 08 8948 3894 fax 0407 034 083 mobile | Tropical/Sub-tropical Australia, including NT and NW of WA and tropical arid areas |
| Hempel, Maciej | 02 4628 0376 02 4625 2293 fax | NSW, QLD, VIC, SA |
| Henry, Robert J | 02 6620 3010 02 6622 2080 fax | Australia |
| Herrington, Mark | 07 5441 2211 07 5441 2235 fax | Southern Queensland |
| Hill, Jeff | 08 8303 9487 08 8303 9607 fax | South Australia |
| Hill, Jim | 03 6428 2519 03 6428 2049 fax 0428 262 765 mobile | Australia |
| Hockings, David Imrie, Bruce | 07 5494 3385 ph/fax 02 4474 0951 02 4474 0952 imriesc@sci.net.au | Southern Queensland SE Australia |
| Iredell, Janet Willa Jack, Brian | 07 3202 6351 ph/fax 08 9952 5040 08 9952 5053 fax | SE Queensland South West WA |

| | | |
|--------------------|--|--|
| James, Andrew | 07 3214 2278 07 3214 2272 fax | Australia |
| Johnston, Margaret | 07 5460 1240 07 5460 1455 fax | SE Queensland |
| Kadkol, Gururaj | 03 5382 1269 03 5381 1210 fax | North Western Victoria |
| Kennedy, Peter | 02 6382 7600 02 6382 2228 fax | New South Wales |
| Khan, Akram | 02 9351 8821 02 9351 8875 fax | New South Wales |
| Kirby, Greg | 08 8201 2176 08 8201 3015 fax | South Australia |
| Kirby, Neil | 02 4754 2637 02 4754 2640 fax | New South Wales |
| Knights, Edmund | 02 6763 1100 02 6763 1222 fax | North Western NSW |
| Kulkarni, Vinod | 08 9992 2221 08 9992 2049 fax | Australia |
| Lake, Andrew | 08 8177 0558 0418 818 798 mobile lake@arcom.com.au | SE Australia |
| Laker, Richard | 08 87258987 08 8723 0142 fax 0417 855 592 mobile | Australia |
| Lamont, Greg | 02 8778 5388 02 9734 9866 fax | Sydney region |
| Langford, Garry | 03 6266 4344 03 6266 4023 fax 0418 312 910 mobile | Australia |
| Larkman, Clive | 03 9735 3831 03 9739 6370 larkman@tpgi.com.au | Victoria |
| Law, Mary Ann | 07 4637 9960 07 4637 9962 fax malaw@bigpond.com | Toowoomba region |
| Lee, Peter | 03 6330 1147 03 6330 1927 fax | SE Australia |
| Lee, Slade | 02 6620 3410 02 6622 2080 fax | Queensland/Northern New South Wales |
| Lenoir, Roland | 02 6231 9063 ph/fax | Australia |
| Leske, Richard | 07 4671 3136 07 4671 3113 fax | Cotton growing regions of QLD & NSW |
| Light, Kate | 03 5362 2175 0419 145 768 mobile | Victoria |
| Loch, Don | 07 3286 1488 07 3286 3094 fax | Queensland |
| Lowe, Greg | 02 4389 8750 02 4389 4958 fax 0411 327390 mobile | Sydney, Central Coast NSW |
| Lullfitz, Robert | 08 9447 6360 | South West WA |
| Lunghusen, Mark | 03 5998 2083 03 5998 2089fax 0407 050 133 mobile | Melbourne & environs |
| Lye, Colin | 07 4671 0044 07 4671 0066 fax 0427 786 668 mobile | NT, QLD and NSW |
| Mackay, Alastair | 08 9310 5342 ph/fax 0159 87221 mobile | Western Australia |

| | | |
|-------------------|-------------------------|----------------------------------|
| Maddox, Zoe | 03 9756 6105 | Australia |
| | 03 9752 0005 fax | |
| Malone, Michael | +64 6 877 8196 | New Zealand |
| | +64 6 877 4761 fax | |
| Marcsik, Doris | 08 8999 2017 | Northern Territory and |
| | 08 8999 2049 | Queensland |
| McCarthy, Alec | 08 9780 6273 | South West WA |
| | 08 9780 6136 fax | |
| McKirby, Simon | 042 163 8229 mobile | Australia |
| McMichael, Prue | 08 8373 2488 | SE Australia |
| | 08 8373 2442 fax | |
| McRae, Tony | 08 8723 0688 | Australia |
| | 08 8723 0660 fax | |
| Miller, Jeff | 64 6 356 8019 extn 8027 | Manawatu region, New Zealand |
| | 64 3 351 8142 fax | |
| Milne,Carolynn | 07 3206 3509 | QLD |
| Mitchell, Hamish | 03 9737 9568 | Victoria |
| | 03 9737 9899 fax | |
| Mitchell, Leslie | 03 5821 2021 | VIC, Southern NSW |
| | 03 5831 1592 fax | |
| Molyneux, William | 03 5965 2011 | Victoria |
| | 03 5965 2033 fax | |
| Moore, Stephen | 02 6799 2230 | NSW |
| | 02 6799 2239 fax | |
| Morrison, Bruce | 03 9210 9251 | East of Melbourne |
| | 03 9800 3521 fax | |
| Mouwen, Heidi | 07 4690 2666 | QLD, NSW |
| | 07 4630 1063 | |
| Neylan, John | 03 9886 6200 | VIC, NSW, SA |
| | 0413 620 256 mobile | |
| Nichols, David | 03 5977 4755 | SE Melbourne, Mornington |
| | 03 5977 4921 fax | Peninsula and Dandenong |
| | | Ranges, Victoria |
| Nichols, Phillip | 08 9387 7442 | Western Australia |
| | 08 9383 9907 fax | |
| Nutt, Bradley | 08 9387 7423/ | Western Australia |
| | 08 9383 9907 fax | |
| Oates, John | 02 4473 8465 | Sydney region, Eastern Australia |
| O'Brien, Shaun | 07 5442 3055 | SE Queensland |
| | 07 5442 3044 fax | |
| | 0407 584 417 mobile | |
| Owen-Turner, John | 07 4129 5217 | Burnett region, Central |
| | 07 4129 5511 fax | Queensland region |
| Paananen, Ian | 02 4381 0051 | Sydney/Newcastle |
| | 02 4381 0071 fax | |
| | 0412 826 589 mobile | |
| Parr, Wayne | 07 4129 4147 | QLD, Northern NSW |
| | 07 4129 4463 fax | |
| Piperidis, George | 07 3331 3373 | QLD, Northern NSW |
| | 07 3871 0383 fax | |
| Platz, Greg | 07 4639 8817 | QLD, Northern NSW |
| | 07 4639 8800 fax | |
| Porter, Richard | 08 8431 5396 | Adelaide region, South Australia |
| | 08 8431 5396 fax | |
| | 0413 270 670 mobile | |
| Portman, Anthony | 08 9274 5355 | South-west Western Australia |
| | 08 9250 1859 fax | |

| | | |
|------------------------------------|---|---|
| Portman, Sian | 08 9725 0660 0421 606 651 mobile | Western Australia |
| Poulsen, David | 07 4661 2944 07 4661 5257 fax | SE QLD, Northern NSW |
| Prescott, Chris | 03 5998 5100 03 5998 5333 0417 340 558 mobile | Victoria |
| Prince, John | 07 5533 0211 07 5533 0488 fax | SE QLD |
| Pumpa, Lucy | 08 8373 2488 08 8373 2422 fax 0400 041 881 mobile | South Australia |
| Quinn, Patrick Richards, Graeme | 03 5427 0485 02 4570 1358 02 4570 1314 fax 0405 178 211 mobile | SE Australia Australia |
| Richardson, Clive Roake, Jeremy | 03 51550255 02 9351 8830 02 9351 8875 fax | Victoria Sydney Region |
| Robb, John | 02 4376 1330 02 4376 1271 fax 0199 19252 mobile | Sydney, Central Coast NSW |
| Robinson, Ben | 08 8373 2488 08 8373 2442 fax | SE Australia |
| Rose, John | 07 4661 2944 07 4661 5257 fax | SE Queensland |
| Rudolph, Paul | 03 5381 2168 03 5381 1210 fax 0438 083 840 mobile | Victoria |
| Sanders, Milton | 08 9825 8087 08 9387 4388 fax 0427 031 951 mobile | Southern Australia: WA, Vic, NSW, SA |
| Scattini, Walter | 07 3356 0863 ph/fax | Tropical and sub-tropical Australia |
| Scholefield, Peter | 08 8373 2488 08 8373 2442 fax 018 082022 mobile | SE Australia |
| Seidel, John | 02 6029 2381 0429 039 322 mobile | SE Australia |
| Singh, Deo | 0418 880787 mobile 07 3207 5998 fax | Brisbane |
| Slater, Tony | 03 9210 9222 03 9800 3521 fax 0408 656 021 mobile | SE Australia |
| Smith, Daniel | 08 8373 2488 08 8373 2442 fax | South Australia |
| Smith, Kenneth Smith, Kevin | 02 4570 9069 03 5573 0900 03 5571 1523 fax | Australia SE Australia |
| Smith, Stuart | 03 6336 5234 03 6334 4961 fax | SE Australia |
| Stearne, Peter | 02 9262 2611 02 9262 1080 fax | Sydney, ACT & NSW |
| Stewart, Angus | 02 4385 9788ph/fax 0419 632 123 mobile | Sydney, Gosford |
| Swane, Geoff | 02 6889 1545 02 6889 2533 fax 0419 841580 mobile | Central western NSW |

| | | |
|-------------------------------|---------------------|---------------------------------|
| Swinburn, Garth | 03 5023 4644 | Murray Valley Region - from |
| | 03 5023 5814 fax | Swan Hill (Vic) to Waikere (SA) |
| Sykes, Stephen | 03 5051 3100 | Victoria |
| | 03 5051 3111 fax | |
| Syrus, A Kim | 03 8556 2555 | Adelaide |
| | 03 8556 2955 fax | |
| Tan, Beng | 08 9266 7168 | Perth & environs |
| | 08 9266 2495 | |
| Tancred, Stephen | 07 4681 2931 | QLD, NSW |
| | 07 4681 4274 fax | |
| | 0157 62888 mobile | |
| Topp, Bruce | 07 4681 1255 | SE QLD, Northern NSW |
| | 07 4681 1769 fax | |
| Valentine, Bruce | 02 6361 3919 | New South Wales |
| | 02 6361 3573 fax | |
| Van der Staay, Rosemaree Anne | 03 6248 6863 | Tasmania |
| | 03 6248 7402 fax | |
| Verdegaal, John | 03 6458 3581 | Australia and New Zealand |
| | 03 6458 3581 fax | |
| Watkins, Phillip | 08 9525 1800 | Perth Region |
| | 08 9525 1607 fax | |
| Westra Van Holthe, Jan | 03 9706 3033 | Australia |
| | 03 9706 3182 fax | |
| Whiley, Tony | 07 5441 5441 | QLD |
| Wilkes, Gregory | 02 4570 1358 | Sydney region |
| | 02 4570 1314 fax | |
| | 0418 642 359 mobile | |
| Wilson, Frances | 64 3 318 8514 | Canterbury, New Zealand |
| | 64 3 318 8549 fax | |
| Wilson, Graeme | 03 5957 1200 | SE Australia |
| | 03 5957 1210 fax | |
| Zadow, Diane | 03 5382 1269 | Victoria |
| | 03 5381 1210 fax | |
| | 0419 145 763 mobile | |

Appendix 4 Index of Accredited Non-Consultant Qualified Persons

| Name | Name |
|-----------------------|--------------------|
| Ali, S | Lowe, Russell |
| Allen, Antony | Luckett, David |
| Baelde, Arie | Mack, Ian |
| Baker, Grant | Mann, Dorham |
| Bally, Ian | Mason, Lloyd |
| Barr, Andrew | Matthews, Michael |
| Bell, David | McCallum, Lesley |
| Bernuetz, Andrew | McDonald, David |
| Birmingham, Erika | McMaugh, Peter |
| Brennan, Paul | Mendham, Neville |
| Brewer, Lester | Menzies, Kim |
| Brindley, Tony | Miller, Kylie |
| Brindle, Sean | Moody, David |
| Buchanan, Peter | Mullins, Kathleen |
| Bunker, John | Neilson, Peter |
| Bunker, Kerry | Newman, Allen |
| Burne, Peter | Noone, Brian |
| Burton, Wayne | Norriss, Michael |
| Cameron, Nick | Oakes, John |
| Cant, Russell | Offord, Cathy |
| Chivers, Ian | Paull, Jeff |
| Clayton-Greene, Kevin | Pearce, Bob |
| Constable, Greg | Potter, Trent |
| Cook, Esther | Pressler, Craig |
| Corcoran, Lisa | Reeve, Christopher |
| Coventry, Stewart | Reid, Peter |
| Craig, Andrew | Reinke, Russell |
| Craigie, Gail | Roberts, Sean |
| Culvenor, Richard | Roche, Matthew |
| Dawson, Iain | Rose, Ian |
| Crowhurst, Max | Sanders, Milton |
| De Betue, Remco | Sandral, Graeme |
| de Koning, Carolyn | Sanewski, Garth |
| Dear, Brian | Schilg, Karl |
| Delaporte, Kate | Schreuders, Harry |
| Done, Anthony | Scott, Ralph |
| Donnelly, Peter | Siemon, Fran |
| Downe, Graeme | Smith, Chris |
| Dryden, Susan | Smith, Raymond |
| Eastwood, Russell | Smith, Malcolm |
| Eglinton, Jason | Smith, Susan |
| Eisemann, Robert | Snelling, Cath |
| Elliott, Philip | Snowball, Richard |
| Evans, Pedro | Stiller, Warwick |
| Geary, Judith | Stuart, Peter |
| Gibbons, Philip | Sutton, John |
| Gillies, Leanne | Tonks, John |
| Granger, Andrew | Trimboli, Daniel |
| Guerin, Jenny | Taylor, Kerry |

| | |
|--------------------|-----------------------|
| Gurciullo, Gaetano | Trigg, Pamela |
| Harden, Patrick | Van der Spek, Folke |
| Hollamby, Gil | Vater, Daniel |
| Hoppo, Suzanne | Vaughan, Peter |
| Howie, Jake | Venn, Neil |
| Hoxha, Adriana | Warner, Bradley |
| Hunt, Melissa | Watson, Brigid |
| Hurst, Andrea | Weatherly, Lilia |
| Irwin, John | Wei, Xianming |
| Janhsen, Joanne | Whalley, RDB |
| Jupp, Noel | Williams, Rex |
| Kaehne, Ian | Williams, Thomas |
| Katellaris, Andrew | Wilson, Stephen |
| Kebblewhite, Tony | Wilson, Rob |
| Kempff, Stefan | Winter, Bruce |
| Kennedy, Chris | Wirthensohn, Michelle |
| Knox, Graham | Wright, Gary |
| Kobelt, Eric | Yan, Guijun |
| Lacey, Kevin | Zeppa, Aldo |
| Leighton, A | |
| Leonforte, Antonio | |
| Lewin, Laurence | |
| Lewis, Hartley | |
| Loi, Angelo | |

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
Web site: <http://www.upov.int>

List of Addresses of Plant Variety Protection Offices in UPOV Member States

Status of Ratification in UPOV member States

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 also 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. More than one CTC may be allowed for roses.

One CTC may be authorised to test more than one genus.

Authorisations for each genus will be reviewed periodically.

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 | 31/3/97 |
| Bureau of Sugar Experiment Stations | Cairns, Tully, Ingham, Ayr, Mackay, Bundaberg, Brisbane QLD | <i>Saccharum</i> | Field, glasshouse, tissue culture, pathology | G Piperidis | 30/6/97 |
| Ag-Seed Research | Horsham and other sites | Canola | Field, glasshouse, shadehouse, laboratory and biochemical analyses | P Rudolph | 30/6/97 |
| Agriculture Western Australia | Northam WA | Wheat | Field, laboratory | D Collins | 30/6/97 |
| University of Sydney, Plant Breeding Institute | Camden, NSW | <i>Argyranthemum</i> , <i>Diascia</i> , <i>Mandevilla</i> | Outdoor, field, irrigation, greenhouses with controlled micro-climates, controlled environment rooms, tissue culture, molecular genetics and cytology | J Oates | 30/6/97 |

| | | | | | |
|--|--------------------------|--|--|-----------------------|----------|
| | | | lab. | | |
| Boulters Nurseries Monbulk Pty Ltd | Monbulk, VIC | Clematis | Outdoor, shadehouse, greenhouse | M Lunghusen | 30/9/97 |
| Geranium Cottage Nursery | Galston, NSW | Pelargonium | Field, controlled environment house | I Paananen | 30/11/97 |
| Agriculture Victoria | Hamilton, VIC | <i>Perennial ryegrass, tall fescue, tall wheat grass, white clover, Persian clover</i> | Field, shadehouse, glasshouse, growth chambers. Irrigation. Pathology and tissue culture. Access to DNA and molecular marker technology. Cold storage. | M Anderson | 30/6/98 |
| Koala Blooms | Monbulk, VIC | <i>Bracteantha</i> | Outdoor, irrigation | M Lunghusen | 30/6/98 |
| Redlands Nursery | Redland Bay, QLD | <i>Aglaonema</i> | Outdoor, shadehouse, glasshouse and indoor facilities | K Bunker | 30/6/98 |
| Protected Plant Promotions | Macquarie Fields, NSW | New Guinea Impatiens including <i>Impatiens hawkeri</i> and its hybrids | Glasshouse | I Paananen | 30/9/98 |
| University of Queensland, Gatton College | Lawes, QLD | Some tropical pastures | Field, irrigation, glasshouse, small phytotron, plant nursery & propagation, tissue culture, seed and chemical lab, cool storage | To be advised | 30/9/98 |
| Jan and Peter Iredell | Moggill, QLD | Bougainvillea | Outdoor, shadehouse | J Iredell | 30/9/98 |
| Protected Plant Promotions | Macquarie Fields, NSW | <i>Verbena</i> | Glasshouse | I Paananen | 31/12/98 |
| Avondale Nurseries Ltd | Glenorie, NSW | <i>Agapanthus</i> | Greenhouse, tissue culture with commercial partnership | I Paananen | 31/12/98 |
| Paradise Plants | Kulnura, NSW | <i>Camellia, Lavandula, Osmanthus, Ceratopetalum</i> | Field, glasshouse, shadehouse, irrigation, tissue culture lab | J Robb | 31/12/98 |
| Prescott Roses | Berwick, VIC | <i>Rosa</i> | Field, controlled environment greenhouses | C Prescott | 31/12/98 |
| F & I Baguley Flower and Plant Growers | Clayton South, VIC | <i>Euphorbia</i> | Controlled glasshouses, quarantine facilities, tissue culture | G Guy | 31/3/99 |
| Paradise Plants | Kulnura, NSW | <i>Limonium, Raphiolepis, Eriostemon, Lonicera Jasminum</i> | Field, glasshouse, shadehouse, irrigation, tissue culture lab | J Robb | 30/6/00 |
| Ramm Pty Ltd | Macquarie Fields, NSW | <i>Angelonia</i> | Glasshouse | I Paananen | 30/6/00 |
| Carol's Propagation | Alexandra Hills, QLD | <i>Cuphea, Anthurium</i> | Field beds, wide range of comparative varieties | C Milne D Singh | 30/6/00 |
| Queensland Department of Primary Industries, Redlands Research Station | Cleveland, QLD | <i>Cynodon, Zoysia</i> and other selected warm season- season turf and amenity species | Field, glasshouse, irrigation, tissue culture lab | D Loch | 30/9/00 |
| Luff Partnership | Kulnura, NSW | <i>Bracteantha</i> | Field beds, irrigation, shade house, propagation house, cool rooms, | I Dawson | 31/12/00 |
| Ramm Pty Ltd | Macquarie Fields, NSW | <i>Petunia, Calibrachoa</i> | Glasshouse | I Paananen J Oates | 31/12/00 |

| | | | | | |
|--|-----------------------|------------------------------------|---|---|----------|
| NSW Agriculture | Temora | <i>Triticum, Hordeum, Avena</i> | Field, irrigation, glasshouse, climate controlled areas | P Breust | 31/3/01 |
| Bywong Nursery | Bungendore NSW | <i>Leptospermum</i> | Field, shadehouse, greenhouse | P Ollerenshaw | 31/3/01 |
| S J Saperstein | Mullumbimby NSW | <i>Rhododendron</i> (vireya types) | Field and propagation facilities | S Saperstein | 31/12/01 |
| Redlands Nursery | Redland Bay, QLD | <i>Osteospermum, Rhododendron</i> | Outdoor, shadehouse, glasshouse and indoor facilities | K Bunker | 31/3/02 |
| Ramm Pty Ltd | Macquarie Fields, NSW | <i>Euphorbia</i> | Glasshouse | I Paananen | 31/3/02 |
| Oasis Horticulture Pty Ltd | Springwood | <i>Impatiens, Euphorbia</i> | AQIS accredited quarantine facilities; glasshouse, shadehouse, field, tissue culture | B Sidebottom A Bernuetz M Hunt N Derera T Angus | 30/9/02 |
| Carol's Propagation | Alexandra Hills, QLD | <i>Dahlia</i> | Field beds, wide range of comparative varieties | C Milne D Singh | 31/12/03 |
| Carol's Propagation | Brookfield, QLD | <i>Anubias</i> | Glasshouse specifically designed for aquatic plants | C Milne D Singh | 31/3/04 |
| Queensland Department of Primary Industries, Maroochy Research Station | Nambour, QLD | <i>Ananas</i> | Field, plots, pots, shadehouse, temperature controlled glasshouse and tissue culture lab | G. Sanewski | 31/3/04 |
| Abulk Pty Ltd | Clarendon, NSW | <i>Dianella</i> | Normal nursery facilities with access to micro propagation. | I Paananen | 31/3/04 |
| Proteaflora Nursery Pty Ltd | Monbulk, VIC | <i>Plectranthus</i> | Fogged propagation house, greenhouses and irrigated outdoor facilities | Paul Armitage | 30/6/04 |
| Berrimah Agricultural Research Centre | Darwin | <i>Zingiber</i> | Irrigated shadehouse, outdoor facilities, cool storage, high level post entry quarantine facility, tissue culture lab, pathology and entomology diagnostic services | D Marcsik | 30/9/04 |
| Ball Australia | Keysborough, VIC | <i>Impatiens, Verbena</i> | Controlled climate glasshouse and environment rooms, germination chamber, quarantine house, cool storage, irrigation and outdoor facilities. | D. Nichols | 30/9/04 |
| Floreta Pty Ltd | Redland Bay QLD | <i>Bracteantha</i> | Purpose built, secure greenhouse, access to fog house, registered quarantine facility on site. | K Bunker | 31/12/04 |
| Boulevard Nurseries Mildura Pty Ltd | Irymple VIC | <i>Zantedeschia</i> | Glasshouse, shade house, propagation facilities, field areas, irrigation, cool rooms, tissue culture lab, hydroponics, quarantine facilities | K Mullins | 31/12/04 |
| Buchanan's Nursery | Hodgsonvale, QLD | <i>Prunus</i> | Outdoor facilities including a collection of 90 varieties of common knowledge. | P Buchanan | 31/12/04 |

| | | | | | |
|--|---------------------|---|--|------------|----------|
| Ball Australia | Keysborough, VIC | <i>Calibrachoa</i> , <i>Osteospermum</i> | Controlled climate glasshouse and environment rooms, germination chamber, quarantine house, cool storage, irrigation and outdoor facilities. | D. Nichols | 30/9/05 |
| Queensland Department of Primary Industries, Southedge Research Centre | Mareeba, QLD | <i>Mangifera</i> | Glasshouse, shadehouse, laboratory complex including bitech, propagation , outdoor facilities | I Bally | 30/09/05 |

The following applications are pending:

| Name | Location | Genera applied for | Facilities | Name of QP |
|-------------------------|-------------------------------|---------------------------|---|-------------------|
| Yates Botanical Pty Ltd | Somersby and Tuggerah, NSW | <i>Rosa</i> | Tissue culture lab, glasshouse, quarantine and nursery facilities | I Paananen |

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 Breeder's Rights Office
IP Australia
PO Box 200
Woden, ACT 2606
Fax (02) 6283 7999

Closing date for comment 31 March 2006.

APPENDIX 7 - LIST OF CLASSES FOR VARIETY DENOMINATION PURPOSES¹

[Recommendation 9]

For the purposes of the fourth sentence of Article 13(2) of the Convention, all taxonomic units are considered closely related that belong to the same botanical genus or are contained in the same class in the list in Annex I to these Recommendations.]

Note: Classes which contain subdivisions of a genus may lead to the existence of a complementary class containing the other subdivisions of the genus concerned (example: Class 9 (*Vicia faba*) leads to the existence of another class containing the other species of the genus *Vicia*).*

Class 1: *Avena*, *Hordeum*, *Secale*, x*Triticosecale*, *Triticum*

Class 2: *Panicum*, *Setaria*

Class 3: *Sorghum*, *Zea*

Class 4: *Agrostis*, *Alopecurus*, *Arrhenatherum*, *Bromus*, *Cynosurus*, *Dactylis*, *Festuca*, *Lolium*, *Phalaris*, *Phleum*, *Poa*, *Trisetum*

Class 5: *Brassica oleracea*, *Brassica chinensis*, *Brassica pekinensis*

Class 6: *Brassica napus*, *B. campestris*, *B. rapa*, *B. juncea*, *B. nigra*, *Sinapis*

Class 7: *Lotus*, *Medicago*, *Ornithopus*, *Onobrychis*, *Trifolium*

Class 8: *Lupinus albus* L., *L. angustifolius* L., *L. luteus* L.

Class 9: *Vicia faba* L.

Class 10: *Beta vulgaris* L. var. *alba* DC., *Beta vulgaris* L. var. *altissima*

Class 11: *Beta vulgaris* ssp. *vulgaris* var. *conditiva* Alef. (syn.: *Beta vulgaris* L. var. *rubra* L.), *Beta vulgaris* L. var. *cicla* L., *Beta vulgaris* L. ssp. *vulgaris* var. *vulgaris*

Class 12: *Lactuca*, *Valerianella*, *Cichorium*

Class 13: *Cucumis sativus*

Class 14: *Citrullus*, *Cucumis melo*, *Cucurbita*

Class 15: *Anthriscus*, *Petroselinum*

Class 16: *Daucus*, *Pastinaca*

Class 17: *Anethum*, *Carum*, *Foeniculum*

Class 18: Bromeliaceae

Class 19: *Picea*, *Abies*, *Pseudotsuga*, *Pinus*, *Larix*

Class 20: *Calluna*, *Erica*

* The complementary classes have been added by the Office of the Union for the convenience of the reader and are given the numbers 28 to 35.

Class 21: *Solanum tuberosum* L.

Class 22: *Nicotiana rustica* L., *N. tabacum* L.

Class 23: *Helianthus tuberosus*

Class 24: *Helianthus annuus*

Class 25: Orchidaceae

Class 26: *Epiphyllum*, *Rhipsalidopsis*, *Schlumbergera*, *Zygocactus*

Class 27: Proteaceae

COMPLEMENTARY CLASSES

Class 28: Species of Brassica other than
(in Class 5 + 6) *Brassica oleracea*, *Brassica chinensis*, *Brassica pekinensis* + *Brassica napus*, *B. campestris*, *B. rapa*, *B. juncea*, *B. nigra*, *Sinapis*

Class 29: Species of Lupinus other than
(in Class 8) *Lupinus albus* L., *L. angustifolius* L., *L. luteus* L.

Class 30: Species of Vicia other than
(in Class 9) *Vicia faba* L.

Class 31: Species of Beta + subdivisions of the species Beta vulgaris other than
(in Class 10 +11) *Beta vulgaris* L. var. *alba* DC., *Beta vulgaris* L. var. *altissima* + *Beta vulgaris* ssp. *vulgaris* var. *conditiva* Alef. (syn.: *Beta vulgaris* L. var. *rubra* L.), *Beta vulgaris* L. var. *cicla* L., *Beta vulgaris* L. ssp. *vulgaris* var. *vulgaris*

Class 32: Species of Cucumis other than
(in Class 13 + 14) *Cucumis sativus* + *Citrullus*, *Cucumis melo*, *Cucurbita*

Class 33: Species of Solanum other than
(in Class 21) *Solanum tuberosum* L.

Class 34: Species of Nicotiana other than
(in Class 22) *Nicotiana rustica* L., *N. tabacum* L.

Class 35: Species of Helianthus other than
(in Class 23 + 24) *Helianthus tuberosus* + *Helianthus annuus*

¹From UPOV RECOMMENDATIONS ON VARIETY DENOMINATIONS, Adopted by The Council of UPOV on October 16, 1987, and amended on October 25, 1991

APPENDIX 8

REGISTER OF PLANT VARIETIES

Register of Plant Varieties contains the legal description of the varieties granted Plant Breeder's Rights. A person may inspect the Register at any reasonable time. Following are the contact details for Registers (1988-2000) kept in each state and territories*

South Australia

Ms Lisa Halskov
AQIS
8 Butler Street
PORT ADELAIDE SA 5000
Phone 08 8305 9706

New South Wales

Mr. Alex Jabs
General Services
AQIS
2 Hayes Road
ROSEBERY NSW 2018
Phone 02 9364 7293

Victoria and Tasmania

Mr. Colin Hall
AQIS
Building D, 2nd Floor
World Trade Centre
Flinders Street
MELBOURNE VIC 3005
Phone 03 9246 6810

Queensland

Mr. Ian Haseler
AQIS
2nd Floor
433 Boundary Street
SPRING HILL QLD 4000
Phone 07 3246 8755

Australian Capital Territory, Northern Territory and Western Australia

ACT and NT Registers are kept
in the Library of PBR Office in Canberra
Phone 02 6272 4228

* In accordance with an amendment to section 61 of Plant Breeder's Rights Act, from 2002 the Register of Plant Varieties will be available from the Library of PBR Office in Canberra. The Register is also electronically available from the PBR website at <http://pbr.ipaustralia.optus.com.au/>

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