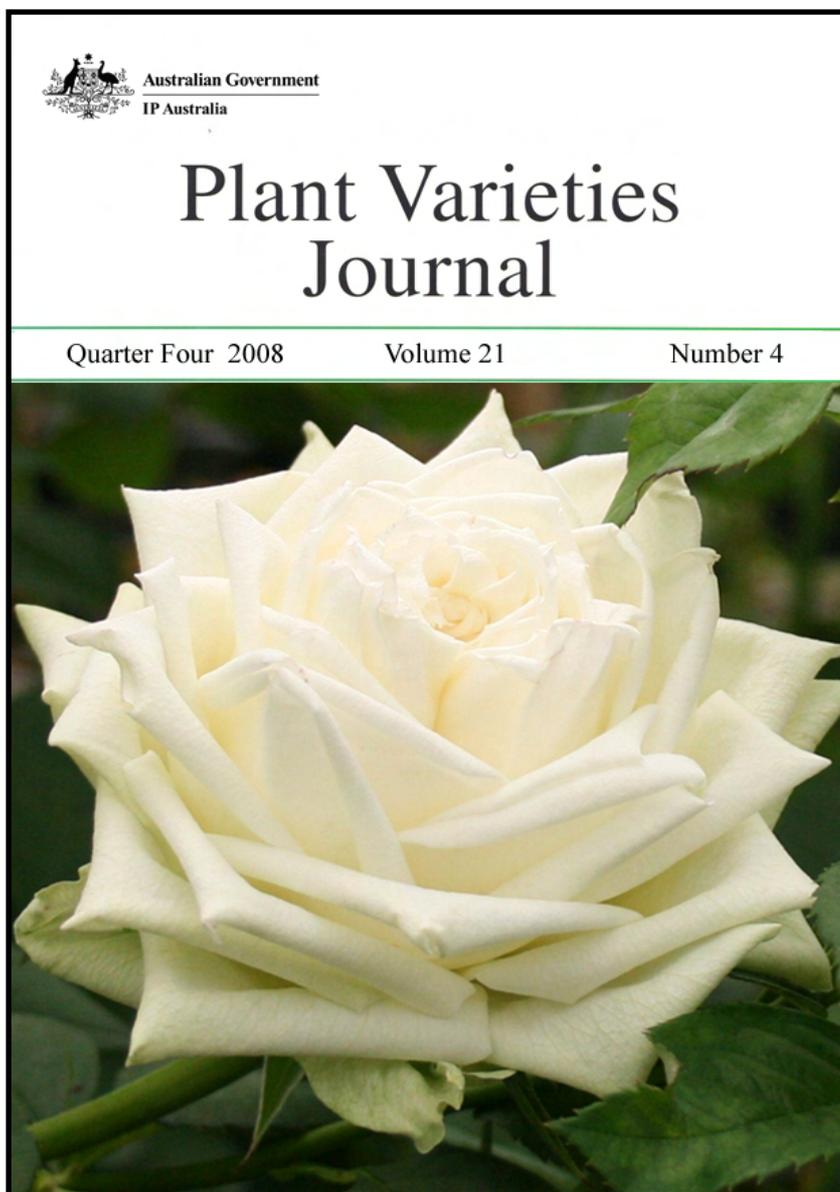




Australian Government
IP Australia

Plant Varieties Journal - Optimised for Screen Viewing



Plant Varieties Journal

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

Quarter Four 2008

Volume 21 Number 4

ISSN: 1030-9748

Date of Publication : 05 March 2009

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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, official notices etc. The General Information pages of *Plant Varieties Journal* (Vol. 21 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.plantbreeders.gov.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.

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.

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.

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 taxa 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.

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 [ComLaw site](#)

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.

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 up to 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 [online database](#) 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 up to Plant Varieties Journal volume 16 issue 3. The PBR office recommends use its PBR [online database](#) to get most updated information on variety registration. The [online database](#) is updated on a weekly basis.

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.

Steps in Applying for Plant Breeder's Rights

- Obtain from the breeder a signed Authorisation to act as their agent in Australia for the variety in question if your role is as the Australian agent of an overseas breeder;
- Complete [Part 1](#) of the application form, supplying a photograph of the new variety, paying the [application fee](#), nominating an accredited '[Qualified Person](#)' and, if the variety is an Australian species, despatch as soon as possible a [herbarium specimen](#);
- Engage the services of the nominated accredited 'Qualified Person' to plan and supervise the [comparative growing trial](#);
- Conduct a comparative growing trial to demonstrate Distinctness, Uniformity and Stability ([DUS](#)), complete [Part 2](#) of the application form and paying the [examination fee](#);
- Deposit propagating material in a [Genetic Resources Centre](#).
- Examination of the application by the PBR Office, which may include a field examination of the comparative growing trial; and including
- Publication of a description and photograph comparing the new variety with similar varieties in Plant Varieties Journal, followed by a six-month period for objection or comment.
- Upon successful completion of all the requirements, resolution of objections (if any) and payment of [certificate fee](#), the applicant(s) receive a Certificate of Plant Breeder's Rights.

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 are 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 1994*](#).

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

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 (as of January 15, 2009):

Albania, Argentina, Australia, Austria, Azerbaijan, Belarus, Belgium, Bolivia, Brazil, Bulgaria, Canada, Chile, China, Colombia, Costa Rica, Croatia, Czech Republic, Denmark, Dominican Republic, Ecuador, European Community, Estonia, Finland, France, Georgia, Germany, Hungary, Iceland, Ireland, Israel, Italy, Japan, Jordan, Kenya, Kyrgyzstan, Latvia, Lithuania, Mexico, Morocco, 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, Turkey, Tunisia, Ukraine, United Kingdom, United States of America, Uruguay, Uzbekistan and Vietnam. (Total 67).

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/en/publications/tg-rom/index.html>

European Developments

Community plant variety rights within the European Union 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 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 potential applicants for Plant Variety Rights within European Union are requested to consult [Notes for Applicants](#) published by the Community Plant Variety Office (CPVO). This note aims to answer legal, administrative and financial questions that one may have when requesting Community plant variety rights. Further information is available from [CPVO website](#).

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. 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.

Instructions to Qualified Persons

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

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.plantbreeders.gov.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.

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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.

The detailed descriptions are accepted only in the IVDS format.

Also, please note that 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.

Official Notice**Declaration of the days in 2008-2009 when the Designs Office, the Patent Office, the PBR Office and the Trade Marks Office and their sub-offices are taken not to be open for business**

The close-down provisions in the designs, olympic insignia protection, patents, plant breeder's rights and trade marks legislation provide for the effect of Designs Office, the Patent Office, the PBR Office and the Trade Marks Office ('the Canberra offices') or any of their sub-offices in the State capitals ('State offices') not being open for business.

On 14 October 2008, the Director General of IP Australia declared under the close-down provisions the days when the Canberra offices and the State offices will not be open for business for the 2008-2009 Calendar year. A copy of the declaration is attached. You will note that it covers the period from 14 October 2008 to 1 January 2010.

The Canberra offices and the State offices will not be open for business on the following days in the period 14 October 2008 to 1 January 2010.

All the Canberra offices and the State offices:

All Saturdays and Sundays in the period

Thursday, 25 December 2008

to Thursday, 1 January 2009

Monday 26 January 2009

Friday, 10 April 2009

Monday, 13 April 2009

Friday, 25 December 2009

to Friday 1 January 2010

Christmas to New Year close-down;

Australia Day

Good Friday

Easter Monday;

Christmas to New Year close-down.

The following are the days in 2008-2009 when the Canberra offices and particular States offices will not be open for business:

The Canberra offices

Tuesday, 4 November 2008

Family and Community Day;

Monday 9 March 2009

Canberra Day

Monday, 27 April 2009

Anzac Day;

Monday 8 June 2009

Queen's Birthday holiday

Monday 5 October 2009

Labour Day

Tuesday, 3 November 2009

Family and Community Day; and

The New South Wales office

Dates not yet proclaimed in NSW

The Queensland office

Monday 4 May 2009	Labour Day
Monday 8 June 2009	Queen's Birthday holiday
Wednesday 12 August 2009	Royal Queensland Show Day

The South Australian office

Monday 9 March 2009	Adelaide Cup Day
Monday 8 June 2009	Queen's Birthday holiday
Monday 5 October 2009	Labour Day

The Tasmanian office

Thursday, 23 October 2008	Royal Hobart Show Day;
Monday 9 February 2009	Royal Hobart Regatta holiday
Monday 9 March 2009	Eight Hours Day
Monday 8 June 2009	Queen's Birthday holiday
Thursday 22 October 2009	Royal Hobart Show Day

The Victorian office

Tuesday 4 November 2008	Melbourne Cup Day
Monday 9 March 2009	Labour Day
Monday 8 June 2009	Queen's Birthday holiday
Tuesday 3 November 2009	Melbourne Cup Day

The Western Australian office

Monday 2 March 2009	Labour Day
Monday 27 April 2009	Anzac Day
Monday 1 June 2009	Foundation Day
Monday 28 September 2009	Queen's Birthday holiday

For more information on the effect of the close-down provisions, please see the Official Notices of 23 March 2007 titled *Intellectual Property Legislation Amendment Regulations 2007 (No. 1)* and *The new close-down provisions in the trade marks legislation* available on IP Australia's website through the page www.ipaustralia.gov.au/resources/officialnotices.shtml.

Contact: IP Australia
Phone: 1300 651 010
Fax: +61 2 6283 7999
E-mail: assist@ipaustralia.gov.au
Web: www.ipaustralia.gov.au



Australian Government

Plant Breeder's Rights Advisory Committee

Expression of Interest

Plant Breeder's Rights Advisory Committee

The Plant Breeder's Rights Advisory Committee (PBRAC) is established under the *Plant Breeder's Rights Act 1994* to provide technical and administrative advice to the Minister for Innovation, Industry, Science and Research and to the Registrar of Plant Breeder's Rights. Members are appointed for three years and appropriate sitting fees are paid.

Expressions of interests are invited from interested persons with appropriate experience or qualifications in the following areas:

- breeders of new plant varieties
- users of new plant varieties
- consumers of new plant varieties or the products of new plant varieties
- conservationists
- others with appropriate qualifications or experience.

Details of the Plant Breeder's Rights Advisory Committee can be found at <http://www.ipaustralia.gov.au/pbr/committee.shtml>

Closing date: 1 May 2009

All enquiries regarding these positions should be directed to Ms Karen Tipler (02) 6283 2190.



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

This part of the *Plant Varieties Journal* provides public notices on Acceptances, Variety Descriptions, Grants and Variations etc. The Part 2 Public Notices pages of *Plant Varieties Journal* (Vol. 21 Issue 4) are listed below:

- [Home](#)
- [Acceptances](#)
- [Variety Descriptions](#)
- [Grants](#)
- [Denomination/Synonym Changed](#)
- [Assignment of Rights](#)
- [Change of Agent](#)
- [Change of Applicant's Name](#)
- [Applications Withdrawn](#)
- [Applications Rejected](#)
- [Grants Surrendered](#)
- [Grants Expired](#)
- [Corrigenda](#)

ACCEPTANCES

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

Aloe hybrid

ALOE

'LEO 1730' syn Southern Cross

Application No: 2008/353 Accepted: 18 December, 2008

Applicant: **Leo Peter Erik Thamm.**

Agent: **Michael Dent**, Taringa, QLD.

'LEO 3676B' syn Copper Shower

Application No: 2008/351 Accepted: 18 December, 2008

Applicant: **Leo Peter Erik Thamm.**

Agent: **Michael Dent**, Taringa, QLD.

'LEO 4120' syn Topaz

Application No: 2008/355 Accepted: 18 December, 2008

Applicant: **Leo Peter Erik Thamm.**

Agent: **Michael Dent**, Taringa, QLD.

'LEO 4325' syn Diana

Application No: 2008/352 Accepted: 18 December, 2008

Applicant: **Leo Peter Erik Thamm.**

Agent: **Michael Dent**, Taringa, QLD.

'LEO 8547' syn Gemini

Application No: 2008/354 Accepted: 18 December, 2008

Applicant: **Leo Peter Erik Thamm.**

Agent: **Michael Dent**, Taringa, QLD.

Anigozanthos hybrid

KANGAROO PAW

'Ramboball' syn Bush Ballad

Application No: 2008/120 Accepted: 20 October, 2008

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

'Rambodiam' syn Bush Diamond

Application No: 2008/118 Accepted: 20 October, 2008

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

‘Rambofury’ syn Bush Fury

Application No: 2008/117 Accepted: 17 December, 2008

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

Arctotis hybrid

AFRICAN DAISY

‘Arcdawn’ syn Safari Dawn

Application No: 2008/219 Accepted: 18 December, 2008

Applicant: **NuFlora International Pty Ltd**.

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

‘Arcmist’ syn Safari Mist

Application No: 2008/218 Accepted: 18 December, 2008

Applicant: **NuFlora International Pty Ltd**.

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

‘Arcsunset’ syn Safari Sunset

Application No: 2008/220 Accepted: 18 December, 2008

Applicant: **NuFlora International Pty Ltd**.

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

Avena sativa

OATS

‘SV96025-7’

Application No: 2008/241 Accepted: 21 October, 2008

Applicant: **Minister for Agriculture, Food and Fisheries & Rural Industries and Research Development Corporation**, Adelaide, SA.

‘SV96098-24’

Application No: 2008/243 Accepted: 21 October, 2008

Applicant: **Minister for Agriculture, Food and Fisheries & Rural Industries and Research Development Corporation**, Adelaide, SA.

‘SV97181-12’

Application No: 2008/242 Accepted: 21 October, 2008

Applicant: **Minister for Agriculture, Food and Fisheries and Grains Research and Development Corporation**, Adelaide, SA.

Brachyscome hybrid

BRACHYSCOME

‘Rambobree’ syn Pacific Breeze

Application No: 2008/124 Accepted: 20 October, 2008

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

Chrysanthemum Xmorifolium

CHRYSANTHEMUM

‘MONA LISA CREAM’

Application No: 2008/361 Accepted: 18 December, 2008

Applicant: **Dekker Breeding B.V.**

Agent: **Crop & Nursery Services**, Kincumber, NSW.

‘MONA LISA SPLENDID’

Application No: 2008/360 Accepted: 18 December, 2008

Applicant: **Dekker Breeding B.V.**

Agent: **Crop & Nursery Services**, Kincumber, NSW.

‘MONA LISA SUNNY’

Application No: 2008/358 Accepted: 18 December, 2008

Applicant: **Dekker Breeding B.V.**

Agent: **Crop & Nursery Services**, Kincumber, NSW.

‘MONA LISA YELLOW’

Application No: 2008/359 Accepted: 18 December, 2008

Applicant: **Dekker Breeding B.V.**

Agent: **Crop & Nursery Services**, Kincumber, NSW.

Cordyline australis

CORDYLINE, CABBAGE TREE

‘LND02’

Application No: 2008/307 Accepted: 17 November, 2008

Applicant: **Grey Willow Pty Ltd**, Landsdale, WA.

‘LND03’

Application No: 2008/305 Accepted: 17 November, 2008

Applicant: **Grey Willow Pty Ltd**, Landsdale, WA.

Cordyline australis x *Cordyline banksii*

CORDYLINE, CABBAGE TREE, DRACAENA

'LEL C01' syn Coral

Application No: 2007/330 Accepted: 17 December, 2008

Applicant: **Lyder Enterprises Limited.**

Agent: **Crop & Nursery Services**, Kincumber, NSW.

LEL C02'

Application No: 2007/331 Accepted: 17 December, 2008

Applicant: **Lyder Enterprises Limited.**

Agent: **Crop & Nursery Services**, Kincumber, NSW.

LEL C03'

Application No: 2007/332 Accepted: 17 December, 2008

Applicant: **Lyder Enterprises Limited.**

Agent: **Crop & Nursery Services**, Kincumber, NSW.

'LEL C04' syn Southern Splendour

Application No: 2007/333 Accepted: 17 December, 2008

Applicant: **Lyder Enterprises Limited.**

Agent: **Crop & Nursery Services**, Kincumber, NSW.

Cucumis melo

ROCK MELON

'ATITLAN' syn GLOBE TROTTER

Application No: 2008/204 Accepted: 20 November, 2008

Applicant: **Seminis Vegetable Seeds Inc.**

Agent: **Monsanto Australia Limited**, Ivanhoe, VIC.

Dahlia variabilis

DAHLIA

'Scarlet Fern' syn Mysticmars

Application No: 2007/037 Accepted: 15 December, 2008

Applicant: **Dr Keith Hammett.**

Agent: **Plants Management Australia Pty Ltd**, Dodges Ferry, TAS.

'Zone Ten' syn Mystic Star

Application No: 2007/038 Accepted: 16 December, 2008

Applicant: **Dr Keith Hammett**.

Agent: **Plants Management Australia Pty Ltd**, Dodges Ferry, TAS.

Dampiera teres

TERETE-LEAVED DAMPIERA

‘Little Girl Pink’

Application No: 2008/309 Accepted: 15 December, 2008

Applicant: **George A Lullfitz**, Wanneroo, WA.

Dianella caerulea

BLUE FLAX-LILY

‘Goddess’

Application No: 2008/068 Accepted: 2 December, 2008

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

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

‘Proquest D1’

Application No: 2008/297 Accepted: 20 November, 2008

Applicant: **Protected Plant Promotions Pty Ltd and Floraquest Pty Ltd**.

Agent: **Sprint Horticulture Pty Ltd**, Erina, NSW.

Dianella revoluta

SPREADING FLAX-LILY, BLUEBERRY LILY, BLACK-ANTHER FLAX-LILY, BLUE FLAX LILY

‘LHC1’

Application No: 2008/221 Accepted: 7 October, 2008

Applicant: **Greenhills Propagation Nursery Pty Ltd**, Tynong, VIC.

Eremophila Nivea

EMU BUSH

‘BLUE VELVET’

Application No: 2008/285 Accepted: 14 October, 2008

Applicant: **Humphris Nursery**, Mooroolbark, VIC.

Eremophila nivea x densifolia ssp pubiflora

EMU BUSH

‘BERYLS BLUE’

Application No: 2008/262 Accepted: 14 October, 2008
Applicant: **Humphris Nursery**, Mooroolbark, VIC.

Fragaria ananassa

STRAWBERRY

‘DrisStrawThree’

Application No: 2008/281 Accepted: 3 October, 2008
Applicant: **Driscoll Strawberry Associates, Inc.**
Agent: **Phillips Ormonde & Fitzpatrick**, Melbourne, VIC.

‘DrisStrawTwo’

Application No: 2008/280 Accepted: 3 October, 2008
Applicant: **Driscoll Strawberry Associates, Inc.**
Agent: **Phillips Ormonde & Fitzpatrick**, Melbourne, VIC.

‘DrisStrawFive’

Application No: 2008/317 Accepted: 3 December, 2008
Applicant: **Driscoll Strawberry Associates, Inc.**
Agent: **Phillips Ormonde & Fitzpatrick**, Melbourne, VIC.

‘DrisStrawOne’

Application No: 2008/279 Accepted: 3 October, 2008
Applicant: **Driscoll Strawberry Associates, Inc.**
Agent: **Phillips Ormonde & Fitzpatrick**, Melbourne, VIC.

‘Monterey’

Application No: 2008/270 Accepted: 15 December, 2008
Applicant: **Regents of the University of California.**
Agent: **Leslie W Mitchell**, Shepparton, VIC.

‘San Andreas’

Application No: 2008/271 Accepted: 15 December, 2008
Applicant: **Regents of the University of California.**
Agent: **Leslie W Mitchell**, Shepparton, VIC.

‘VALOR’

Application No: 2008/300 Accepted: 2 December, 2008
Applicant: **Plant Sciences, INC, Berry R & D, INC.**
Agent: **Watermark Patent and Trademark Attorneys**, Hawthorn, VIC.

Grevillea alpina x *Grevillea rosamarinifolia*

GREVILLEA

‘Fire Cracker’

Application No: 2008/261 Accepted: 8 October, 2008
Applicant: **Michael Wood**.
Agent: **Plants Management Australia Pty Ltd**, Dodges Ferry, TAS.

Grevillea pteridifolia x *Grevillea banksii*

GREVILLEA

‘BUSH LEMONS’

Application No: 2008/284 Accepted: 14 October, 2008
Applicant: **Humphris Nursery Pty Ltd**, Mooroolbark, VIC.

Hardenbergia violacea

FALSE SARSPARILLA, PURPLE CORAL PEA, WARABURRA

‘HB1’

Application No: 2008/301 Accepted: 17 November, 2008
Applicant: **Ozbreed Pty Ltd**, Richmond, NSW.

Hibiscus rosa-sinensis

CHINESE HIBISCUS

‘Baja Breeze’

Application No: 2008/342 Accepted: 15 December, 2008
Applicant: **Yoder Brothers, Inc.**
Agent: **Oasis Horticulture Pty Limited**, Winmalee, NSW.

‘Chiffon Breeze’

Application No: 2008/332 Accepted: 15 December, 2008
Applicant: **Yoder Brothers, Inc.**
Agent: **Oasis Horticulture Pty Limited**, Winmalee, NSW.

‘Montego Wind’

Application No: 2008/331 Accepted: 15 December, 2008

Applicant: **Yoder Brothers, Inc.**

Agent: **Oasis Horticulture Pty Limited**, Winmalee, NSW.

‘Reggae Breeze’

Application No: 2008/333 Accepted: 15 December, 2008

Applicant: **Yoder Brothers, Inc.**

Agent: **Oasis Horticulture Pty Limited**, Winmalee, NSW.

‘Tye-Dye Wind’

Application No: 2008/343 Accepted: 15 December, 2008

Applicant: **Yoder Brothers, Inc.**

Agent: **Oasis Horticulture Pty Limited**, Winmalee, NSW.

Hordeum vulgare

BARLEY

‘Hannan’

Application No: 2007/216 Accepted: 17 December, 2008

Applicant: **Western Australian Agriculture Authority, Grains Research and Development Corporation**, Bentley Dc, WA.

‘Lockyer’

Application No: 2007/217 Accepted: 17 December, 2008

Applicant: **Western Australian Agriculture Authority, Grains Research and Development Corporation**, Bentley Dc, WA.

‘Macquarie’

Application No: 2008/322 Accepted: 15 December, 2008

Applicant: **University of Tasmania, Grains Research and Development Corporation**, Kings Meadows, TAS.

‘Shepherd’

Application No: 2008/265 Accepted: 17 November, 2008

Applicant: **The University of Western Australia, Grains Research & Development Corporation.**

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

Impatiens hawkeri

NEW GUINEA IMPATIENS

‘Balcebink’

Application No: 2008/192 Accepted: 20 November, 2008

Applicant: **Ball Horticultural Company.**

Agent: **Ball Australia Pty Ltd.**, Keysborough, VIC.

Impatiens hybrid

NEW GUINEA IMPATIENS

‘Nidance’ syn Jungle Dance

Application No: 2008/237 Accepted: 20 October, 2008

Applicant: **Protected Plant Promotions Australia Pty Ltd and Floraquest Pty Ltd.**

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

‘Nidrums’ syn Jungle Drums

Application No: 2008/240 Accepted: 20 October, 2008

Applicant: **Protected Plant Promotions Australia Pty Ltd and Floraquest Pty Ltd.**

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

‘Nifever’ syn Jungle Fever

Application No: 2008/238 Accepted: 20 October, 2008

Applicant: **Protected Plant Promotions Australia Pty Ltd and Floraquest Pty Ltd.**

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

‘Nigirl’ syn Jungle Girl

Application No: 2008/239 Accepted: 20 October, 2008

Applicant: **Protected Plant Promotions Australia Pty Ltd and Floraquest Pty Ltd.**

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

‘Nijive’ syn Jungle Jive

Application No: 2008/233 Accepted: 20 October, 2008

Applicant: **Protected Plant Promotions Australia Pty Ltd and Floraquest Pty Ltd.**

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

‘Nijuice’ syn Jungle Juice

Application No: 2008/234 Accepted: 20 October, 2008

Applicant: **Protected Plant Promotions Australia Pty Ltd and Floraquest Pty Ltd.**

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

‘Nimagic’ syn Jungle Magic

Application No: 2008/235 Accepted: 20 October, 2008

Applicant: **Protected Plant Promotions Australia Pty Ltd and Floraquest Pty Ltd.**

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

‘Nimist’ syn Jungle Mist

Application No: 2008/236 Accepted: 20 October, 2008

Applicant: **Protected Plant Promotions Australia Pty Ltd and Floraquest Pty Ltd.**

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

Lactuca sativa

LETTUCE

‘CAVERNET’

Application No: 2008/268 Accepted: 13 October, 2008

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

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

Lavandula angustifolia

ENGLISH LAVENDER

‘Riverina Heather’

Application No: 2008/273 Accepted: 8 October, 2008

Applicant: **Charles Sturt University**, Wagga Wagga, NSW.

Lavandula x intermedia

LAVANDIN

‘Riverina Alan’

Application No: 2008/274 Accepted: 15 December, 2008

Applicant: **Charles Sturt University**, Wagga Wagga, NSW.

‘Riverina Thomas’

Application No: 2008/275 Accepted: 15 December, 2008

Applicant: **Charles Sturt University**, Wagga Wagga, NSW.

Liriope muscari

LILYTURF

‘LIRBLONDE’

Application No: 2008/310 Accepted: 17 November, 2008
Applicant: **Ozbreed Pty Ltd**, Richmond, NSW.

Lolium perenne

PERENNIAL RYEGRASS

‘AberMagic’

Application No: 2008/283 Accepted: 15 December, 2008
Applicant: **Germinal Seeds NZ Ltd.**
Agent: **Agrisearch Services Pty Ltd.**, Shepparton, VIC.

Lomandra confertifolia

MATT RUSH

‘LND01’

Application No: 2008/306 Accepted: 17 November, 2008
Applicant: **Grey Willow Pty Ltd**, Landsdale, WA.

Lomandra fluviatilis

RIVER LOMANDRA

‘ABU7’

Application No: 2008/308 Accepted: 19 November, 2008
Applicant: **Jon Williams.**
Agent: **Ozbreed Pty Ltd**, Clarendon, NSW.

Malus domestica

APPLE

‘CIVG198’

Application No: 2008/205 Accepted: 20 November, 2008
Applicant: **C.I.V. Consorzio Italiano Vivaisti.**
Agent: **Davies Collison Cave**, Sydney, NSW.

Metrosideros collina

CHRISTMAS BUSH

‘Crimson Glory’

Application No: 2008/324 Accepted: 17 November, 2008

Applicant: **Terry Keogh.**

Agent: **Aussie Winners Pty Ltd**, Redland Bay, Qld.

‘Red Baby’

Application No: 2008/323 Accepted: 17 November, 2008

Applicant: **Terry Keogh.**

Agent: **Aussie Winners Pty Ltd**, Redland Bay, Qld.

Myoporum parvifolium

CREEPING BOOBIALLA, CREEPING MYOPORUM

‘PARV01’

Application No: 2008/356 Accepted: 15 December, 2008

Applicant: **Ozbreed Pty Ltd**, Clarendon, NSW.

Neotyphodium coenophialum

ENDOPHYTE

‘AR584’

Application No: 2008/247 Accepted: 21 November, 2008

Applicant: **Grasslanz Technology Limited.**

Agent: **Griffith Hack**, Brisbane, QLD.

Persea americana

AVOCADO

‘Maluma Hass’

Application No: 2008/258 Accepted: 21 October, 2008

Applicant: **A H Ernst & Seuns (Pty) Ltd t/a Allesbeste Nursery.**

Agent: **Australian Nurserymen's Fruit Improvement Company Ltd (ANFIC)**, Bathurst, NSW.

Phormium tenax

NEW ZEALAND FLAX

‘Proquest PH1’

Application No: 2008/299 Accepted: 16 December, 2008

Applicant: **Protected Plant Promotions Pty Ltd and Floraquest Pty Ltd.**

Agent: **Sprint Horticulture Pty Ltd**, Erina, NSW.

Prunus salicina

JAPANESE PLUM

‘MJ 505.06’

Application No: 2008/348 Accepted: 15 December, 2008

Applicant: **Western Australian Agriculture Authority**, Bentley Dc, WA.

‘MJ 508.09’

Application No: 2008/349 Accepted: 15 December, 2008

Applicant: **Western Australian Agriculture Authority**, Bentley Dc, WA.

‘MJ 509.10’

Application No: 2008/350 Accepted: 15 December, 2008

Applicant: **Western Australian Agriculture Authority**, Bentley Dc, WA.

‘ST 504.02’

Application No: 2008/347 Accepted: 15 December, 2008

Applicant: **Western Australian Agriculture Authority**, Bentley Dc, WA.

Rhodanthe anthemoides

PAPER DAISY

‘Rhomoon’ syn Paper Moon

Application No: 2008/216 Accepted: 18 December, 2008

Applicant: **NuFlora International Pty Ltd.**

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

‘Rhotrail’ syn Paper Trail

Application No: 2008/217 Accepted: 18 December, 2008

Applicant: **NuFlora International Pty Ltd.**

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

Rosa hybrid

ROSE

‘Grandgoldelic’

Application No: 2008/335 Accepted: 3 December, 2008

Applicant: **Mr H Schreuders.**

Agent: **Grandiflora Nurseries Pty Ltd**, Skye, VIC.

‘Lexatseif’

Application No: 2008/336 Accepted: 3 December, 2008

Applicant: **Levacy Ltd.**

Agent: **Grandiflora Nurseries Pty Ltd**, Skye, VIC.

‘Lexhcaep’

Application No: 2008/337 Accepted: 3 December, 2008

Applicant: **Levacy Ltd.**

Agent: **Grandiflora Nurseries Pty Ltd**, Skye, VIC.

‘Schadness’ syn Madness!

Application No: 2008/229 Accepted: 2 October, 2008

Applicant: **Piet Schreurs Holding B.V..**

Agent: **Schreurs Australia (Pty) Ltd**, Round Corner, NSW.

‘Schaelic’ syn St. Patrick!

Application No: 2008/226 Accepted: 2 October, 2008

Applicant: **Piet Schreurs Holding B.V..**

Agent: **Schreurs Australia (Pty) Ltd**, Round Corner, NSW.

‘Schapjus’ syn Orange Juice!

Application No: 2008/224 Accepted: 2 October, 2008

Applicant: **Piet Schreurs Holding B.V..**

Agent: **Schreurs Australia (Pty) Ltd**, Round Corner, NSW.

‘Schathena’ syn Marathon!

Application No: 2008/228 Accepted: 2 October, 2008

Applicant: **Piet Schreurs Holding B.V..**

Agent: **Schreurs Australia (Pty) Ltd**, Round Corner, NSW.

‘Schiallo’ syn Leonessa!

Application No: 2008/230 Accepted: 2 October, 2008

Applicant: **Piet Schreurs Holding B.V..**

Agent: **Schreurs Australia (Pty) Ltd**, Round Corner, NSW.

‘Schiflute’

Application No: 2008/227 Accepted: 2 October, 2008
Applicant: **Piet Schreurs Holding B.V.**
Agent: **Schreurs Australia (Pty) Ltd**, Round Corner, NSW.

‘Schowinti’ syn Voodoo!

Application No: 2008/225 Accepted: 2 October, 2008
Applicant: **Piet Schreurs Holding B.V.**
Agent: **Schreurs Australia (Pty) Ltd**, Round Corner, NSW.

‘Schublove’

Application No: 2008/232 Accepted: 2 October, 2008
Applicant: **Piet Schreurs Holding B.V.**
Agent: **Schreurs Australia (Pty) Ltd**, Round Corner, NSW.

‘Schunukka’ syn Anouk!

Application No: 2008/231 Accepted: 2 October, 2008
Applicant: **Piet Schreurs Holding B.V.**
Agent: **Schreurs Australia (Pty) Ltd**, Round Corner, NSW.

Rubus idaeus

RASPBERRY

‘DrisRaspOne’

Application No: 2008/320 Accepted: 3 December, 2008
Applicant: **Driscoll Strawberry Associates, Inc.**
Agent: **Phillips Ormonde & Fitzpatrick**, Melbourne, VIC.

‘Pacifica’

Application No: 2008/338 Accepted: 15 December, 2008
Applicant: **Driscoll Strawberry Associates, Inc.**
Agent: **Phillips Ormonde & Fitzpatrick**, Collins Street West, VIC.

‘Sevillana’

Application No: 2008/339 Accepted: 15 December, 2008
Applicant: **Driscoll Strawberry Associates, Inc.**
Agent: **Phillips Ormonde & Fitzpatrick**, Collins Street West, VIC.

Solanum tuberosum

POTATO

‘APOLLINE’

Application No: 2008/039 Accepted: 17 October, 2008

Applicant: **Germicopa SAS.**

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

‘CECILE’ syn Salad Rose

Application No: 2008/080 Accepted: 3 December, 2008

Applicant: **HZPC Holland BV.**

Agent: **Harvest Moon**, Forth, TAS.

‘EUOPRIMA’

Application No: 2008/365 Accepted: 17 December, 2008

Applicant: **EUROPLANT Pflanzenzucht GmbH.**

Agent: **Agtec Agriculture Pty Ltd**, Hillston, NSW.

‘MOZART’

Application No: 2008/088 Accepted: 3 December, 2008

Applicant: **HZPC Holland BV.**

Agent: **Harvest Moon**, Forth, TAS.

‘VOYAGER’

Application No: 2008/081 Accepted: 3 December, 2008

Applicant: **HZPC Holland B.V., Y.P.v.d.Werff.**

Agent: **Harvest Moon**, Forth, TAS.

Sutera grandiflora

BACOPA

‘Balabolav’

Application No: 2008/190 Accepted: 20 November, 2008

Applicant: **Ball Horticultural Company.**

Agent: **Ball Australia Pty. Ltd.**, Keysborough, VIC.

‘Balabowite’

Application No: 2008/193 Accepted: 20 November, 2008

Applicant: **Ball Horticultural Company.**

Agent: **Ball Australia Pty. Ltd.**, Keysborough, VIC.

Trifolium tumens

TALISH CLOVER

‘Permatas’

Application No: 2008/287 Accepted: 15 December, 2008

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

Triticum aestivum

WHEAT

‘Gascoigne’

Application No: 2008/325 Accepted: 15 December, 2008

Applicant: **HRZ Wheat Pty Ltd, Black Mountain, ACT.**

‘Gruner’

Application No: 2008/327 Accepted: 15 December, 2008

Applicant: **HRZ Wheat Pty Ltd, Black Mountain, ACT.**

‘McCubbin’

Application No: 2008/328 Accepted: 15 December, 2008

Applicant: **HRZ Wheat Pty Ltd, Black Mountain, ACT.**

‘Preston’

Application No: 2008/326 Accepted: 15 December, 2008

Applicant: **HRZ Wheat Pty Ltd, Black Mountain, ACT.**

‘WAWHT2773’

Application No: 2007/290 Accepted: 20 October, 2008

Applicant: **InterGrain Pty Ltd, Victoria Park, WA.**

‘WAWHT2784’

Application No: 2007/289 Accepted: 20 October, 2008

Applicant: **InterGrain Pty Ltd, Victoria Park, WA.**

Vaccinium corymbosum

BLUEBERRY

‘DrisBlueTwo’

Application No: 2008/321 Accepted: 3 December, 2008

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

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

‘Ochlockonee’

Application No: 2008/288 Accepted: 15 December, 2008

Applicant: **University of Georgia Research Foundation, Inc.**

Agent: **BerryExchange (a division of CostaExchange Ltd)**, Corindi Beach, NSW.

Verbena xhybrida

GARDEN VERBENA

‘Cobbitty Pink’

Application No: 2008/036 Accepted: 8 October, 2008

Applicant: **NuFlora International Pty Ltd**, Tuggerah, NSW.

‘Cobbitty Purple’

Application No: 2008/034 Accepted: 8 October, 2008

Applicant: **NuFlora International Pty Ltd**, Tuggerah, NSW.

‘Cobbitty Red’

Application No: 2008/035 Accepted: 8 October, 2008

Applicant: **NuFlora International Pty Ltd**, Tuggerah, NSW.

Vitis vinifera

GRAPE

‘Blanc Seedless’

Application No: 2008/185 Accepted: 17 December, 2008

Applicant: **Luribay Business, Inc.**

Agent: **Watermark Patent and Trade Mark Attorneys**, Hawthorn, Melbourne, VIC.



Variety Descriptions

Common (Genus Species)	Variety	Title Holder
Bush Lemons (<i>Abelia x grandiflora</i>)	Kaleidoscope	Panoramic Farms
Arguta (<i>Actinidia arguta</i>)	Hortgem Tahī	The Horticulture and Food Research Institute of New Zealand Limited
Arguta (<i>Actinidia arguta</i>)	Hortgem Toru	The Horticulture and Food Research Institute of New Zealand Limited
Arguta (<i>Actinidia arguta</i>)	Hortgem Wha	The Horticulture and Food Research Institute of New Zealand Limited
Arguta (<i>Actinidia arguta</i>)	Hortgem Rua	The Horticulture and Food Research Institute of New Zealand Limited
Button Mushroom (<i>Agaricus bisporus</i>)	J9277	Sylvan America
Oats (<i>Avena sativa</i>)	Mammoth	New Zealand Institute for Crop & Food Research Limited
Calibrachoa (<i>Calibrachoa hybrid</i>)	Sunbelore	Suntory Flowers Limited
Calibrachoa (<i>Calibrachoa hybrid</i>)	Sunbelfire	Suntory Flowers Limited

<u>Calibrachoa</u> <u>(<i>Calibrachoa</i></u> <u>hybrid)</u>	Sunbelflam	Suntory Flowers Limited
<u>Calibrachoa</u> <u>(<i>Calibrachoa</i></u> <u>hybrid)</u>	Sunbel-labu	Suntory Flowers Limited
<u>Calibrachoa</u> <u>(<i>Calibrachoa</i></u> <u>hybrid)</u>	Sunbelsafu	Suntory Flowers Limited
<u>Canna</u> (<u>Canna</u> <u>hybrid)</u>	MACtro	Anthony Tesselaar Plants Pty Ltd
<u>Canna</u> (<u>Canna</u> <u>hybrid)</u>	Lon01	Lone Star International, S.A. de C.V.
<u>Industrial Hemp</u> <u>(<i>Cannabis sativa</i></u> <u>L.)</u>	Calavos	Agri Fibre Industries Pty Ltd
<u>Industrial Hemp</u> <u>(<i>Cannabis sativa</i></u> <u>L.)</u>	Kepnock	Agri Fibre Industries Pty Ltd
<u>Industrial Hemp</u> <u>(<i>Cannabis sativa</i></u> <u>L.)</u>	FibreGem	Agri Fibre Industries Pty Ltd
<u>Industrial Hemp</u> <u>(<i>Cannabis sativa</i></u> <u>L.)</u>	BundyGem	Agri Fibre Industries Pty Ltd
<u>Yellow Buttons</u> <u>(<i>Chrysocephalum</i></u> <u>apiculatum)</u>	FLOCHRDEF	Floreta Intellectual Property Pty Ltd as Trustee for the Chrysocephalum Trust
<u>Mandarin hybrid</u> <u>(<i>Citrus reticulata</i></u> <u>x (<i>Citrus</i></u> <u>reticulata x</u> <u><i>Citrus sinensis</i>)</u>	Merbeingold 2350	Commonwealth Scientific and Industrial Research Organisation

<u>Mandarin hybrid (<i>Citrus reticulata</i> x (<i>Citrus reticulata</i> x <i>Citrus sinensis</i>))</u>	Merbeingold 2336	Commonwealth Scientific and Industrial Research Organisation
<u>Cordyline (<i>Cordyline australis</i>)</u>	CARDINAL	Liner Plants NZ (1993) Limited
<u>False Heather (<i>Cuphea hyssopifolia</i>)</u>	Jocelyn's Pink	TC & JM Keogh
<u>Blue Flax-Lily (<i>Dianella caerulea</i>)</u>	Goddess	F D & O B Hockings
<u>Flax Lily (<i>Dianella prunina</i>)</u>	DPV308	Ozbreed Pty Ltd
<u>Carnation (<i>Dianthus caryophyllus</i>)</u>	Floriametrine	International Flower Developments Pty Ltd
<u>Lord Howe Wedding Lily (<i>Dietes robinsoniana</i>)</u>	RB1	John R Drinkwater
<u>Spurge (<i>Euphorbia hybrid</i>)</u>	Nothowlee	Notcutts Nurseries
<u>Strawberry (<i>Fragaria x ananassa</i>)</u>	DrisStrawTwo	Driscoll Strawberry Associates, Inc
<u>Fuchsia (<i>Fuchsia hybrid</i>)</u>	Goetzpeg	Wolfram Goetz
<u>Gaura (<i>Gaura hybrid</i>)</u>	REDGAPI	E J Bunker
<u>Grevillea (<i>Grevillea alpina x rosmarinifolia</i>)</u>	Charlie's Angel	Austrafloora Pty Ltd

<u>Grevillea</u> <u>(Grevillea</u> <u>rosmarinifolia x</u> <u>alpina)</u>	Entrée	Austraflora Pty Ltd
<u>Barley (Hordeum</u> <u>vulgare)</u>	Shepherd	The University of Western Australia, Grains Research & Development Corporation
<u>Hydrangea</u> <u>(Hydrangea</u> <u>macrophylla)</u>	youmethree	Ryoji Irie
<u>Hydrangea</u> <u>(Hydrangea</u> <u>macrophylla)</u>	RIE 02	Ryoji Irie
<u>Hydrangea</u> <u>(Hydrangea</u> <u>macrophylla)</u>	RIE 09	Ryoji Irie
<u>Hydrangea</u> <u>(Hydrangea</u> <u>macrophylla)</u>	RIE 01	Ryoji Irie
<u>Hydrangea</u> <u>(Hydrangea</u> <u>macrophylla)</u>	youmefour	Ryoji Irie
<u>Persian Walnut</u> <u>(Juglans regia)</u>	Robert Livermore	The Regents of the University of California
<u>Lettuce (Lactuca</u> <u>sativa)</u>	Nation	Rijk Zwaan Zaadteelt en Zaadhandel BV
<u>Lettuce (Lactuca</u> <u>sativa)</u>	KITARE	Rijk Zwaan Zaadteelt en Zaadhandel BV
<u>Lettuce (Lactuca</u> <u>sativa)</u>	Renoir	Rijk Zwaan Zaadteelt en Zaadhandel BV
<u>Lettuce (Lactuca</u> <u>sativa)</u>	MURAI	Rijk Zwaan Zaadteelt en Zaadhandel BV
<u>Lettuce (Lactuca</u> <u>sativa)</u>	SARTRE	Rijk Zwaan Zaadteelt en Zaadhandel BV

<u>Lettuce (<i>Lactuca sativa</i>)</u>	Cosmos	Nunhems B.V.
<u>Hybrid Short-Lived Ryegrass (<i>Lolium hybrid</i>)</u>	Safeguard	Minister for Agriculture, Food and Fisheries
<u>Italian Ryegrass (<i>Lolium multiflorum</i>)</u>	Aston	New Zealand Agriseeds Ltd
<u>Italian Ryegrass (<i>Lolium multiflorum</i>)</u>	LM299	New Zealand Agriseeds Ltd
<u>Italian Ryegrass (<i>Lolium multiflorum</i>)</u>	Maximus	Barenbrug USA
<u>Matt Rush (<i>Lomandra confertifolia</i> subsp <i>rubignosa</i>)</u>	Silver Grace	Michael Wood
<u>River Lomandra (<i>Lomandra fluviatilis</i>)</u>	ABU7	Jon Williams
<u>White Cedar (<i>Melia azedarach</i>)</u>	Elite	Metropolitan Tree Growers Pty Ltd
<u>Noni (<i>Morinda citrifolia</i>)</u>	Allright	Aurait Supreme Pty Ltd
<u>Creeping Boobialla (<i>Myoporum parvifolium</i>)</u>	PARV01	Ozbreed Pty Ltd
<u>Fungal Endophyte (<i>Neotyphodium lolii</i>)</u>	AR37	Grasslanz Technology Limited
<u>Photinia (<i>Photinia glabra</i>)</u>	Ever Bright	RJ Cherry
<u>Photinia (<i>Photinia glabra</i>)</u>	Red Devil	RJ Cherry

<u>Photinia (<i>Photinia glabra</i>)</u>	PARSUB	The Paradise Seed Company Pty Ltd
<u>Photinia (<i>Photinia glabra</i>)</u>	PARSUR	The Paradise Seed Company Pty Ltd
<u>White Spruce (<i>Picea glauca</i>)</u>	DECEMBER	Dick Scholten
<u>Pittosporum (<i>Pittosporum tenuifolium</i>)</u>	GREEN SHEEN	Matthew Brooks
<u>Apricot (<i>Prunus armeniaca</i>)</u>	Rivergold	Minister for Agriculture, Food and Fisheries
<u>Apricot (<i>Prunus armeniaca</i>)</u>	Riverbrite	Minister for Agriculture, Food and Fisheries
<u>Apricot (<i>Prunus armeniaca</i>)</u>	River Ruby	Minister for Agriculture, Food and Fisheries
<u>Peach (<i>Prunus persica</i>)</u>	Burpeachthree	The Burchell Nursery, Inc.
<u>Peach (<i>Prunus persica</i>)</u>	Burpeachsix	The Burchell Nursery, Inc.
<u>Peach (<i>Prunus persica</i>)</u>	Burpeachtwo	The Burchell Nursery, Inc.
<u>Peach (<i>Prunus persica</i>)</u>	Burpeachfour	The Burchell Nursery, Inc.
<u>Azalea (<i>Rhododendron hybrid</i>)</u>	Minitastic	Redlands Nursery Pty Ltd
<u>Rose (<i>Rosa hybrid</i>)</u>	Grandemufrap	Mr H Schreuders
<u>Rose (<i>Rosa hybrid</i>)</u>	Lexativas	Levacy Ltd
<u>Rose (<i>Rosa hybrid</i>)</u>	Lexidagam	Levacy Ltd
<u>Rose (<i>Rosa hybrid</i>)</u>	Lexteews	Evalesco
<u>Rose (<i>Rosa hybrid</i>)</u>	PEJAMBLU	Peter Joseph James

<u>Rose (<i>Rosa hybrid</i>)</u>	Selmusic	TERRA NIGRA Holding B. V.
<u>Rose (<i>Rosa hybrid</i>)</u>	Grandtinifa	Mr H Schreuders
<u>Rose (<i>Rosa hybrid</i>)</u>	Grandhonemo	Mr H Schreuders
<u>Rose (<i>Rosa hybrid</i>)</u>	Grandshanla	Mr H Schreuders
<u>Raspberry (<i>Rubus idaeus</i>)</u>	Sevillana	Driscoll Strawberry Associates, Inc.
<u>Raspberry (<i>Rubus idaeus</i>)</u>	Pacifica	Driscoll Strawberry Associates, Inc.
<u>Raspberry (<i>Rubus idaeus</i>)</u>	DrisRaspOne	Driscoll Strawberry Associates, Inc
<u>Sugarcane (<i>Saccharum hybrid</i>)</u>	Q237	BSES Limited
<u>Sugarcane (<i>Saccharum hybrid</i>)</u>	KQ236	BSES Limited and CSR Ltd
<u>White Clover (<i>Trifolium repens</i>)</u>	Quest	Grasslanz Technology Limited
<u>Wheat (<i>Triticum aestivum</i>)</u>	Gascoigne	HRZ Wheat Pty Ltd
<u>Wheat (<i>Triticum aestivum</i>)</u>	EGA Stampede	State of Queensland through its Department of Primary Industries & Fisheries, Department of Primary Industries for and on behalf of the State of New South Wales, The University of Queensland, Grains Research and Development Corporation

<u>Wheat (<i>Triticum aestivum</i>)</u>	EGA Bounty	State of Queensland through its Department of Primary Industries & Fisheries, Department of Primary Industries for and on behalf of the State of New South Wales and Grains Research and Development Corporation
<u>Wheat (<i>Triticum aestivum</i>)</u>	ZEBU	Australian Grain Technologies Pty Ltd
<u>Wheat (<i>Triticum aestivum</i>)</u>	Preston	HRZ Wheat Pty Ltd
<u>Wheat (<i>Triticum aestivum</i>)</u>	Fang	Australian Grain Technologies Pty Ltd
<u>Wheat (<i>Triticum aestivum</i>)</u>	Mace	Australian Grain Technologies Pty Ltd
<u>Mung Bean (<i>Vigna radiata</i>)</u>	Satin 2	State of Queensland through its Department of Primary Industries and Fisheries, Grains Research and Development Corporation
<u>Mung Bean (<i>Vigna radiata</i>)</u>	Crystal	State of Queensland through its Department of Primary Industries and Fisheries & Grains Research & Development Corporation
<u>Triticale (<i>xTriticosecale</i>)</u>	Endeavour	University of Sydney
<u>Triticale (<i>xTriticosecale</i>)</u>	Tobruk	University of Sydney



Australian Government
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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Apricot (*Prunus armeniaca*)

Variety: 'Rivergold'

Synonym: N/A

Application no: 2005/030

Current status: ACCEPTED

Certificate no: N/A

Received: 07-Feb-2005

Accepted: 19-Apr-2005

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: Minister for Agriculture, Food and Fisheries

Agent: N/A

Telephone: 0883039616

Fax: 0883039403

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





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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Apricot (*Prunus armeniaca*)

Variety: 'Riverbrite'

Synonym: N/A

Application no: 2005/028

Current status: ACCEPTED

Certificate no: N/A

Received: 07-Feb-2005

Accepted: 19-Apr-2005

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: Minister for Agriculture, Food and Fisheries

Agent: N/A

Telephone: 0883039616

Fax: 0883039403

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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Apricot (*Prunus armeniaca*)

Variety: 'River Ruby'

Synonym: N/A

Application no: 2005/029

Current status: ACCEPTED

Certificate no: N/A

Received: 07-Feb-2005

Accepted: 19-Apr-2005

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

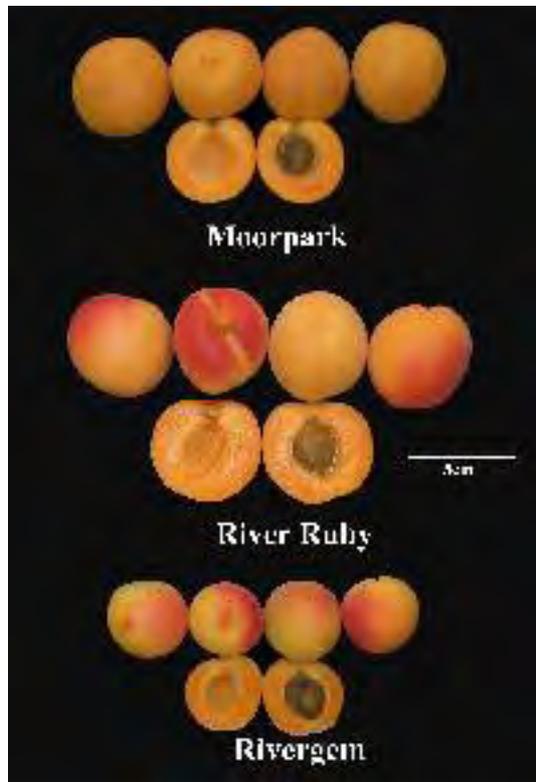
Title Holder: Minister for Agriculture, Food and Fisheries

Agent: N/A

Telephone: 0883039616

Fax: 0883039403

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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Arguta (*Actinidia arguta*)

Variety: 'Hortgem Tah'i'

Synonym: N/A

Application no: 2002/059

Current status: ACCEPTED

Certificate no: N/A

Received: 13-Mar-2002

Accepted: 15-Jul-2002

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

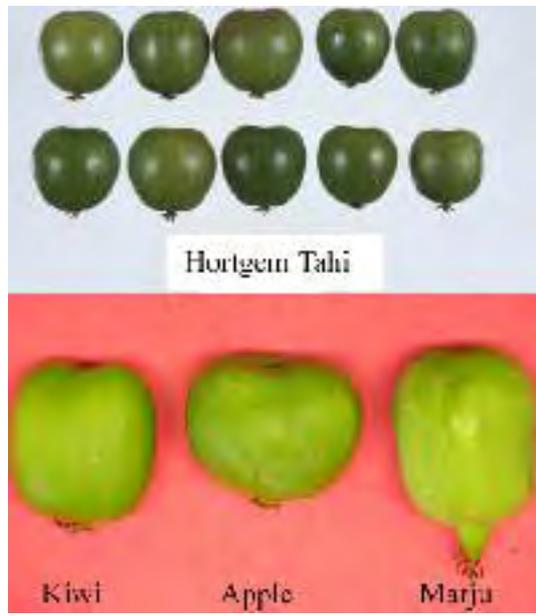
Title Holder: The Horticulture and Food Research Institute of New Zealand Limited

Agent: A J Park

Telephone: 0262435151

Fax: 0262435153

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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Arguta (*Actinidia arguta*)

Variety: 'Hortgem Toru'

Synonym: N/A

Application no: 2005/024

Current status: ACCEPTED

Certificate no: N/A

Received: 07-Feb-2005

Accepted: 03-Mar-2005

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: The Horticulture and Food Research Institute of New Zealand Limited

Agent: A J Park

Telephone: 0262435151

Fax: 0262435153

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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Arguta (*Actinidia arguta*)

Variety: 'Hortgem Wha'

Synonym: N/A

Application no: 2005/025

Current status: ACCEPTED

Certificate no: N/A

Received: 07-Feb-2005

Accepted: 03-Mar-2005

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: The Horticulture and Food Research Institute of New Zealand Limited

Agent: A J Park

Telephone: 0262435151

Fax: 0262435153

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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Arguta (*Actinidia arguta*)

Variety: 'Hortgem Rua'

Synonym: N/A

Application no: 2005/023

Current status: ACCEPTED

Certificate no: N/A

Received: 07-Feb-2005

Accepted: 22-Apr-2005

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

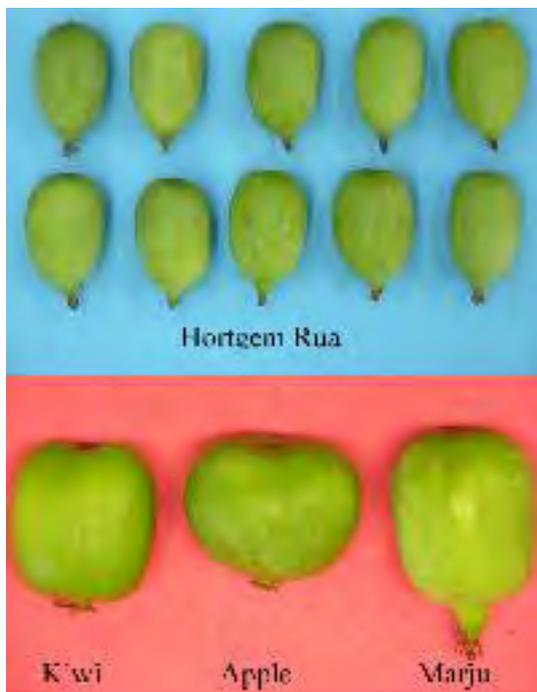
Title Holder: The Horticulture and Food Research Institute of New Zealand Limited

Agent: A J Park

Telephone: 0262435151

Fax: 0262435153

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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Azalea (*Rhododendron hybrid*)

Variety: 'Minitastic'

Synonym: N/A

Application no: 2006/009

Current status: ACCEPTED

Certificate no: N/A

Received: 19-Jan-2006

Accepted: 24-Mar-2006

Granted: N/A

Description published

in Plant Varieties Journal: Volume 21, Issue 4

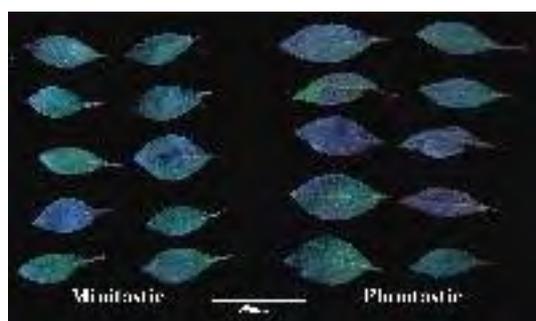
Title Holder: Redlands Nursery Pty Ltd

Agent: Aussie Winners Pty Ltd

Telephone: 0732067676

Fax: 0732068922

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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Barley (*Hordeum vulgare*)

Variety: 'Shepherd'

Synonym: N/A

Application no: 2008/265

Current status: ACCEPTED

Certificate no: N/A

Received: 08-Sep-2008

Accepted: 17-Nov-2008

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: The University of Western Australia, Grains Research & Development Corporation

Agent: State of Queensland through its Department of Primary Industries & Fisheries

Telephone: 0746603664

Fax: 0746603600

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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Blue Flax-Lily (*Dianella caerulea*)

Variety: 'Goddess'

Synonym: N/A

Application no: 2008/068

Current status: ACCEPTED

Certificate no: N/A

Received: 05-Mar-2008

Accepted: 02-Dec-2008

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: F D & O B Hockings

Agent: Austraflora Pty Ltd

Telephone: 0359652011

Fax: 0359652033

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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Bush Lemons (*Abelia x grandiflora*)

Variety: 'Kaleidoscope'

Synonym: N/A

Application no: 2008/060

Current status: ACCEPTED

Certificate no: N/A

Received: 27-Feb-2008

Accepted: 26-Mar-2008

Granted: N/A

Description published

in Plant Varieties Journal: Volume 21, Issue 4

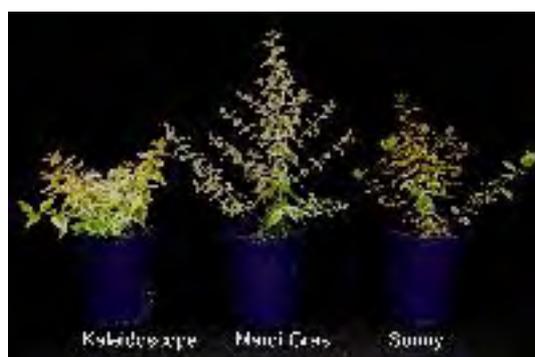
Title Holder: Panoramic Farms

Agent: Plants Management Australia Pty Ltd

Telephone: 0362692123

Fax: 0362692612

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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Button Mushroom (*Agaricus bisporus*)

Variety: 'J9277'

Synonym: Velocity

Application no: 2006/021

Current status: ACCEPTED

Certificate no: N/A

Received: 10-Feb-2006

Accepted: 24-Mar-2006

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: Sylvan America

Agent: Sylvan Australia Pty Ltd

Telephone: 0245720555

Fax: 0245720055

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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Calibrachoa (*Calibrachoa hybrid*)

Variety: 'Sunbelore'
Synonym: Orange Chimes

Application no: 2006/190

Current status: ACCEPTED

Certificate no: N/A

Received: 17-Jul-2006

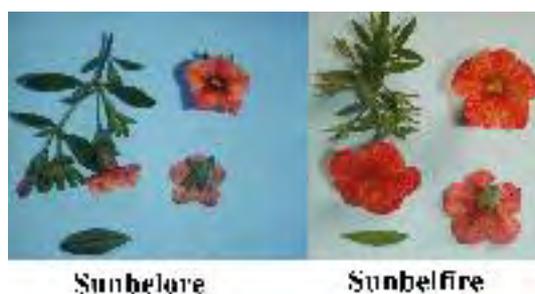
Accepted: 11-Sep-2006

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: Suntory Flowers Limited
Agent: Oasis Horticulture Pty Limited
Telephone: 0247541422
Fax: 0247544260

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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Calibrachoa (*Calibrachoa hybrid*)

Variety: 'Sunbelfire'
Synonym: Crackling Chimes

Application no: 2007/066

Current status: ACCEPTED

Certificate no: N/A

Received: 06-Mar-2007

Accepted: 28-Mar-2007

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: Suntory Flowers Limited
Agent: Oasis Horticulture Pty Limited
Telephone: 0243826642
Fax: 0247544260

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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Calibrachoa (*Calibrachoa hybrid*)

Variety: 'Sunbelflam'

Synonym: Pink Chimes

Application no: 2007/067

Current status: ACCEPTED

Certificate no: N/A

Received: 06-Mar-2007

Accepted: 16-Mar-2007

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: Suntory Flowers Limited

Agent: Oasis Horticulture Pty Limited

Telephone: 0243826642

Fax: 0247544260

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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Calibrachoa (*Calibrachoa hybrid*)

Variety: 'Sunbel-labu'
Synonym: Lavender Chimes

Application no: 2006/191

Current status: ACCEPTED

Certificate no: N/A

Received: 17-Jul-2006

Accepted: 11-Sep-2006

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: Suntory Flowers Limited
Agent: Oasis Horticulture Pty Limited
Telephone: 0247541422
Fax: 0247544260

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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Calibrachoa (*Calibrachoa hybrid*)

Variety: 'Sunbelsafu'

Synonym: Blue Chimes

Application no: 2007/068

Current status: ACCEPTED

Certificate no: N/A

Received: 06-Mar-2007

Accepted: 03-May-2007

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: Suntory Flowers Limited

Agent: Oasis Horticulture Pty Limited

Telephone: 0243826642

Fax: 0247544260

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Plant Varieties Journal - Search Result Details

Canna (*Canna hybrid*)

Variety: 'MACtro'

Synonym: N/A

Application no: 2005/134

Current status: ACCEPTED

Certificate no: N/A

Received: 17-May-2005

Accepted: 09-Jun-2005

Granted: N/A

Description published

in Plant Varieties Journal:
Volume 21, Issue 4

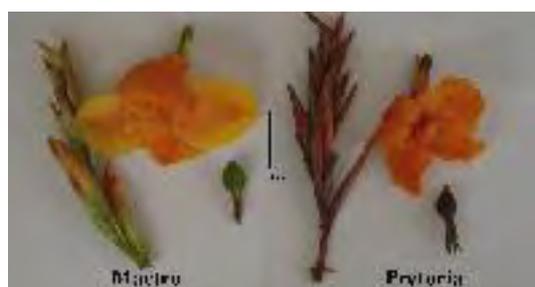
Title Holder: Anthony Tesselaar Plants Pty Ltd

Agent: N/A

Telephone: 0397377921

Fax: 0397379899

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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Canna (*Canna hybrid*)

Variety: 'Lon01'

Synonym: N/A

Application no: 2006/314

Current status: ACCEPTED

Certificate no: N/A

Received: 11-Dec-2006

Accepted: 22-Dec-2006

Granted: N/A

Description

published

in Plant Varieties Journal: Volume 21, Issue 4

Varieties

Journal:

Title Holder: Lone Star International, S.A. de C.V.

Agent: Anthony Tesselaar Plants Pty Ltd

Telephone: 0397379568

Fax: 0397379899

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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Carnation (*Dianthus caryophyllus*)

Variety: 'Floriametrine'

Synonym: N/A

Application no: 2008/105

Current status: ACCEPTED

Certificate no: N/A

Received: 18-Apr-2008

Accepted: 27-May-2008

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

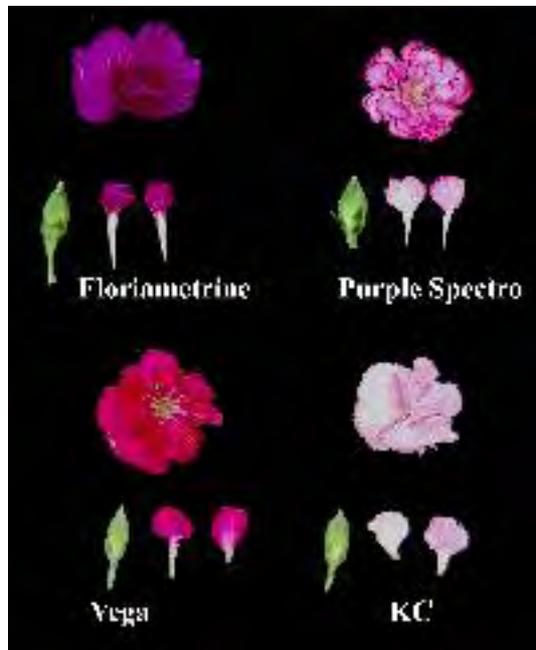
Title Holder: International Flower Developments Pty Ltd

Agent: N/A

Telephone: 0392433825

Fax: 0392433888

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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Cordyline (*Cordyline australis*)

Variety: 'CARDINAL'

Synonym: N/A

Application no: 2007/316

Current status: ACCEPTED

Certificate no: N/A

Received: 06-Dec-2007

Accepted: 18-Mar-2008

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Varieties Journal:

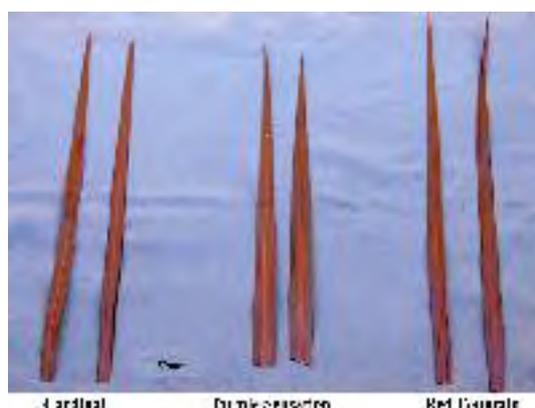
Title Holder: Liner Plants NZ (1993) Limited

Agent: A J Park

Telephone: 6444983409

Fax: 6444723358

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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Creeping Boobialla (*Myoporum parvifolium*)

Variety: 'PARV01'

Synonym: N/A

Application no: 2008/356

Current status: ACCEPTED

Certificate no: N/A

Received: 20-Nov-2008

Accepted: 15-Dec-2008

Granted: N/A

Description published

in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: Ozbreed Pty Ltd

Agent: N/A

Telephone: 0245772977

Fax: 0245877728

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





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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

False Heather (*Cuphea hyssopifolia*)

Variety: 'Jocelyn's Pink'

Synonym: N/A

Application no: 2006/028

Current status: ACCEPTED

Certificate no: N/A

Received: 21-Feb-2006

Accepted: 24-Mar-2006

Granted: N/A

Description published

in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: TC & JM Keogh

Agent: Plants Management Australia Pty Ltd

Telephone: 0362692123

Fax: 0362692612

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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Flax Lily (*Dianella prunina*)

Variety: 'DPV308'

Synonym: N/A

Application no: 2008/180

Current status: ACCEPTED

Certificate no: N/A

Received: 10-Jun-2008

Accepted: 06-Aug-2008

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: Ozbreed Pty Ltd

Agent: N/A

Telephone: 0245772977

Fax: 0245877728

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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Fuchsia (*Fuchsia hybrid*)

Variety: 'Goetzpeg'

Synonym: Peggy

Application no: 2006/328

Current status: ACCEPTED

Certificate no: N/A

Received: 18-Dec-2006

Accepted: 05-Mar-2008

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Varieties Journal:

Title Holder: Wolfram Goetz

Agent: Aussie Winners Pty Ltd

Telephone: 0732067676

Fax: 0732068922

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Plant Varieties Journal - Search Result Details

Fungal Endophyte (*Neotyphodium lolii*)

Variety: 'AR37'

Synonym: N/A

Application no: 2006/004

Current status: ACCEPTED

Certificate no: N/A

Received: 15-Jan-2006

Accepted: 24-Mar-2006

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: Grasslanz Technology Limited

Agent: Griffith Hack

Telephone: 0732217200

Fax: 0732211245

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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Gaura (*Gaura hybrid*)

Variety: 'REDGAPI'

Synonym: N/A

Application no: 2007/320

Current status: ACCEPTED

Certificate no: N/A

Received: 13-Dec-2007

Accepted: 17-Jan-2008

Granted: N/A

Description

published

in Plant Varieties Volume 21, Issue 4

Journal:

Title Holder: E J Bunker

Agent: Aussie Winners Pty Ltd

Telephone: 0732067676

Fax: 0732068922

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Plant Varieties Journal - Search Result Details

Grevillea (*Grevillea alpina* x *rosmarinifolia*)

Variety: 'Charlie's Angel'

Synonym: N/A

Application no: 2008/263

Current status: ACCEPTED

Certificate no: N/A

Received: 05-Sep-2008

Accepted: 23-Sep-2008

Granted: N/A

Description published

in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: Austraflo Pty Ltd

Agent: N/A

Telephone: 0359652011

Fax: 0359652033

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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Grevillea (*Grevillea rosmarinifolia* x *alpina*)

Variety: 'Entrée'

Synonym: N/A

Application no: 2007/123

Current status: ACCEPTED

Certificate no: N/A

Received: 03-May-2007

Accepted: 04-Jun-2007

Granted: N/A

Description

published

in Plant Volume 21, Issue 4

Varieties

Journal:

Title Holder: Austraflo Pty Ltd

Agent: Bill Molyneux

Telephone: 0359652011

Fax: 0359652033

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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Hybrid Short-Lived Ryegrass (*Lolium hybrid*)

Variety: 'Safeguard'

Synonym: N/A

Application no: 2002/331

Current status: ACCEPTED

Certificate no: N/A

Received: 12-Nov-2002

Accepted: 06-Feb-2004

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: Minister for Agriculture, Food and Fisheries

Agent: Valley Seeds Pty Ltd

Telephone: 0357976203

Fax: 0357976307

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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Hydrangea (*Hydrangea macrophylla*)

Variety: 'youmethree'

Synonym: Emotion

Application no: 2008/064

Current status: ACCEPTED

Certificate no: N/A

Received: 27-Feb-2008

Accepted: 20-May-2008

Granted: N/A

Description published

in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: Ryoji Irie

Agent: Plants Management Australia Pty Ltd

Telephone: 0362692123

Fax: 0362692612

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





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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Hydrangea (*Hydrangea macrophylla*)

Variety: 'RIE 02'

Synonym: Eternity

Application no: 2008/063

Current status: ACCEPTED

Certificate no: N/A

Received: 27-Feb-2008

Accepted: 20-May-2008

Granted: N/A

Description published

in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: Ryoji Irie

Agent: Plants Management Australia Pty Ltd

Telephone: 0362692123

Fax: 0362692612

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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Hydrangea (*Hydrangea macrophylla*)

Variety: 'RIE 09'

Synonym: Romance

Application no: 2008/062

Current status: ACCEPTED

Certificate no: N/A

Received: 27-Feb-2008

Accepted: 20-May-2008

Granted: N/A

Description published

in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: Ryoji Irie

Agent: Plants Management Australia Pty Ltd

Telephone: 0362692123

Fax: 0362692612

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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Hydrangea (*Hydrangea macrophylla*)

Variety: 'RIE 01'

Synonym: Forever

Application no: 2008/066

Current status: ACCEPTED

Certificate no: N/A

Received: 27-Feb-2008

Accepted: 26-May-2008

Granted: N/A

Description published

in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: Ryoji Irie

Agent: Plants Management Australia Pty Ltd

Telephone: 0362692123

Fax: 0362692612

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





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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Hydrangea (*Hydrangea macrophylla*)

Variety: 'youmefour'

Synonym: Passion

Application no: 2008/065

Current status: ACCEPTED

Certificate no: N/A

Received: 27-Feb-2008

Accepted: 05-Sep-2008

Granted: N/A

Description published

in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: Ryoji Irie

Agent: Plants Management Australia Pty Ltd

Telephone: 0362692123

Fax: 0362692612

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





Australian Government
IP Australia

Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Industrial Hemp (*Cannabis sativa* L.)

Variety: 'Calavos'

Synonym: N/A

Application no: 2008/130

Current status: ACCEPTED

Certificate no: N/A

Received: 05-May-2008

Accepted: 29-Jul-2008

Granted: N/A

Description published

in Plant Varieties Journal: Volume 21, Issue 4

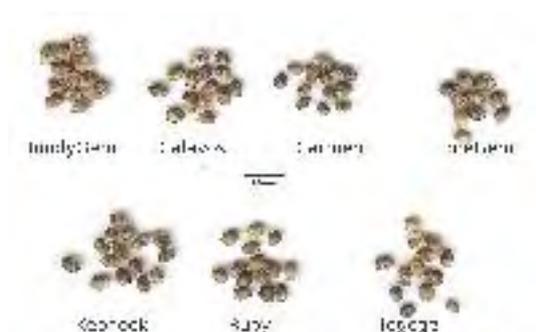
Title Holder: Agri Fibre Industries Pty Ltd

Agent: N/A

Telephone: 0741522204

Fax: 0741556656

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





Australian Government
IP Australia

Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Industrial Hemp (*Cannabis sativa* L.)

Variety: 'Kepnock'

Synonym: N/A

Application no: 2008/132

Current status: ACCEPTED

Certificate no: N/A

Received: 05-May-2008

Accepted: 29-Jul-2008

Granted: N/A

Description published

in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: Agri Fibre Industries Pty Ltd

Agent: N/A

Telephone: 0741522204

Fax: 0741556656

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





Australian Government
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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Industrial Hemp (*Cannabis sativa* L.)

Variety: 'FibreGem'

Synonym: N/A

Application no: 2008/131

Current status: ACCEPTED

Certificate no: N/A

Received: 05-May-2008

Accepted: 29-Jul-2008

Granted: N/A

Description published

in Plant Varieties Journal: Volume 21, Issue 4

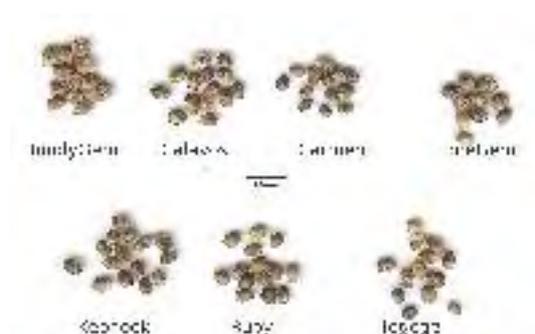
Title Holder: Agri Fibre Industries Pty Ltd

Agent: N/A

Telephone: 0741522204

Fax: 0741556656

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





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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Industrial Hemp (*Cannabis sativa* L.)

Variety: 'BundyGem'

Synonym: N/A

Application no: 2008/129

Current status: ACCEPTED

Certificate no: N/A

Received: 05-May-2008

Accepted: 29-Jul-2008

Granted: N/A

Description published

in Plant Varieties Journal: Volume 21, Issue 4

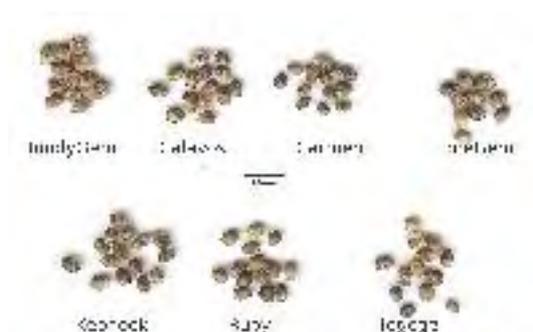
Title Holder: Agri Fibre Industries Pty Ltd

Agent: N/A

Telephone: 0741522204

Fax: 0741556656

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Australian Government
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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Italian Ryegrass (*Lolium multiflorum*)

Variety: 'Aston'

Synonym: N/A

Application no: 2008/026

Current status: ACCEPTED

Certificate no: N/A

Received: 04-Feb-2008

Accepted: 28-Apr-2008

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: New Zealand Agriseeds Ltd

Agent: Heritage Seeds Pty Ltd

Telephone: 0260265288

Fax: 0260265268

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



Australian Government
IP Australia

Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Italian Ryegrass (*Lolium multiflorum*)

Variety: 'LM299'

Synonym: N/A

Application no: 2008/057

Current status: ACCEPTED

Certificate no: N/A

Received: 25-Feb-2008

Accepted: 29-Jul-2008

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: New Zealand Agriseeds Ltd

Agent: Heritage Seeds Pty Ltd

Telephone: 0260265288

Fax: 0260265268

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



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IP Australia

Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Italian Ryegrass (*Lolium multiflorum*)

Variety: 'Maximus'

Synonym: N/A

Application no: 2007/138

Current status: ACCEPTED

Certificate no: N/A

Received: 16-May-2007

Accepted: 21-Jun-2007

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: Barenbrug USA

Agent: Heritage Seeds Pty Ltd

Telephone: 0260265288

Fax: 0260265268

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



Australian Government
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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Lettuce (*Lactuca sativa*)

Variety: 'Nation'

Synonym: N/A

Application no: 2005/307

Current status: ACCEPTED

Certificate no: N/A

Received: 19-Sep-2005

Accepted: 20-Dec-2005

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

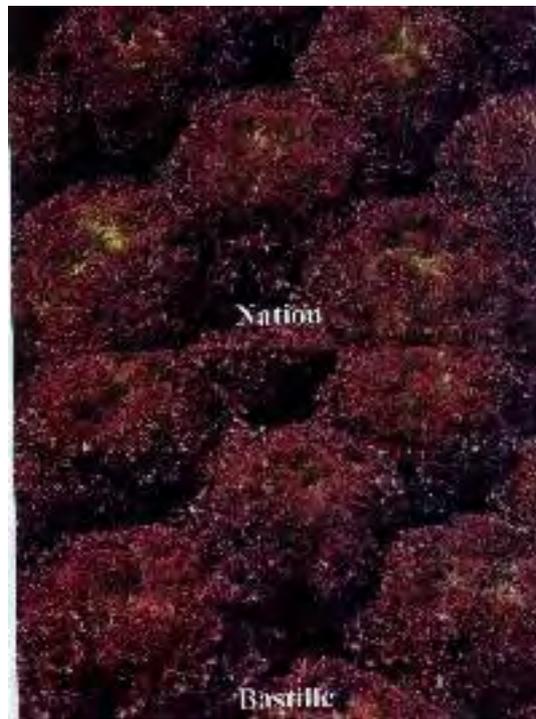
Title Holder: Rijk Zwaan Zaadteelt en Zaadhandel BV

Agent: Rijk Zwaan Australia Pty Ltd

Telephone: 0353489003

Fax: 0353485530

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





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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Lettuce (*Lactuca sativa*)

Variety: 'KITARE'

Synonym: N/A

Application no: 2006/301

Current status: ACCEPTED

Certificate no: N/A

Received: 24-Nov-2006

Accepted: 22-Dec-2006

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Varieties Journal:

Title Holder: Rijk Zwaan Zaadteelt en Zaadhandel BV

Agent: Rijk Zwaan Australia Pty Ltd

Telephone: 0353489003

Fax: 0353485530

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Australian Government
IP Australia

Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Lettuce (*Lactuca sativa*)

Variety: 'Renoir'

Synonym: N/A

Application no: 2006/268

Current status: ACCEPTED

Certificate no: N/A

Received: 03-Oct-2006

Accepted: 26-Oct-2006

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: Rijk Zwaan Zaadteelt en Zaadhandel BV

Agent: Rijk Zwaan Australia Pty Ltd

Telephone: 0353489003

Fax: 0353485530

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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Lettuce (*Lactuca sativa*)

Variety: 'MURAI'

Synonym: N/A

Application no: 2006/272

Current status: ACCEPTED

Certificate no: N/A

Received: 09-Oct-2006

Accepted: 10-Nov-2006

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

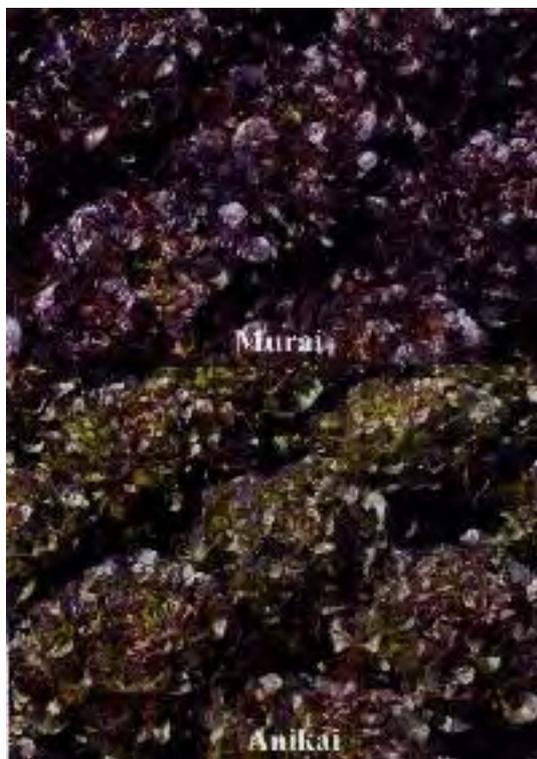
Title Holder: Rijk Zwaan Zaadteelt en Zaadhandel BV

Agent: Rijk Zwaan Australia Pty Ltd

Telephone: 0353489003

Fax: 0353485530

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Australian Government
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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Lettuce (*Lactuca sativa*)

Variety: 'SARTRE'

Synonym: N/A

Application no: 2007/318

Current status: ACCEPTED

Certificate no: N/A

Received: 07-Dec-2007

Accepted: 14-Feb-2008

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: Rijk Zwaan Zaadteelt en Zaadhandel BV

Agent: Rijk Zwaan Australia Pty Ltd

Telephone: 0353489003

Fax: 0353485530

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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Lettuce (*Lactuca sativa*)

Variety: 'Cosmos'
Synonym: Nun 6027 LT

Application no: 2008/244

Current status: ACCEPTED

Certificate no: N/A

Received: 31-Jul-2008

Accepted: 11-Sep-2008

Granted: N/A

Description

published in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: Nunhems B.V.

Agent: Shelston IP

Telephone: 0297771111

Fax: 0292414666

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





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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Lord Howe Wedding Lily (*Dietes robinsoniana*)

Variety: 'RB1'

Synonym: N/A

Application no: 2008/212

Current status: ACCEPTED

Certificate no: N/A

Received: 16-Jul-2008

Accepted: 28-Aug-2008

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

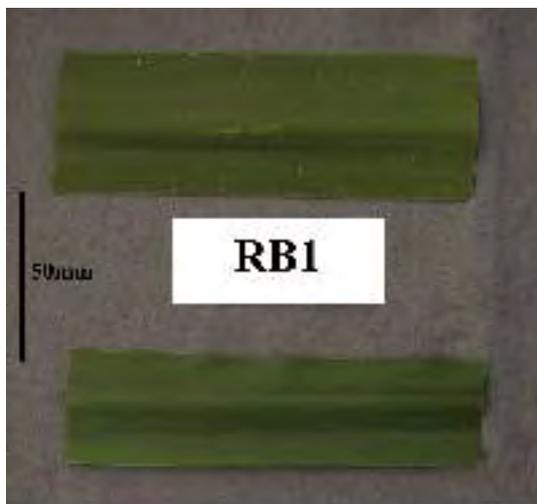
Title Holder: John R Drinkwater

Agent: N/A

Telephone: 0294578272

Fax: 0294579235

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Dietes robinsoniana



Australian Government
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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Mandarin hybrid (*Citrus reticulata* x (*Citrus reticulata* x *Citrus sinensis*))

Variety: 'Merbeingold 2350'

Synonym: N/A

Application no: 2006/278

Current status: ACCEPTED

Certificate no: N/A

Received: 16-Oct-2006

Accepted: 01-Dec-2006

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: Commonwealth Scientific and Industrial Research Organisation

Agent: N/A

Telephone: 0262465195

Fax: 0262465062

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





Australian Government
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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Mandarin hybrid (*Citrus reticulata* x (*Citrus reticulata* x *Citrus sinensis*))

Variety: 'Merbeingold 2336'

Synonym: N/A

Application no: 2006/279

Current status: ACCEPTED

Certificate no: N/A

Received: 16-Oct-2006

Accepted: 01-Dec-2006

Granted: N/A

Description published

in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: Commonwealth Scientific and Industrial Research Organisation

Agent: N/A

Telephone: 0262465195

Fax: 0262465062

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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Matt Rush (*Lomandra confertifolia* subsp *rubignosa*)

Variety: 'Silver Grace'

Synonym: N/A

Application no: 2007/105

Current status: ACCEPTED

Certificate no: N/A

Received: 21-Mar-2007

Accepted: 09-May-2007

Granted: N/A

Description published

in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: Michael Wood

Agent: Plants Management Australia Pty Ltd

Telephone: 0362692123

Fax: 0362692612

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Australian Government
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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Mung Bean (*Vigna radiata*)

Variety: 'Satin 2'

Synonym: N/A

Application no: 2008/253

Current status: ACCEPTED

Certificate no: N/A

Received: 20-Aug-2008

Accepted: 08-Sep-2008

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: State of Queensland through its Department of Primary Industries and Fisheries, Grains Research and Development Corporation

Agent: N/A

Telephone: 07 4992911

Fax: 0749923468

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





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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Mung Bean (*Vigna radiata*)

Variety: 'Crystal'

Synonym: N/A

Application no: 2007/308

Current status: ACCEPTED

Certificate no: N/A

Received: 21-Nov-2007

Accepted: 10-Jan-2008

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

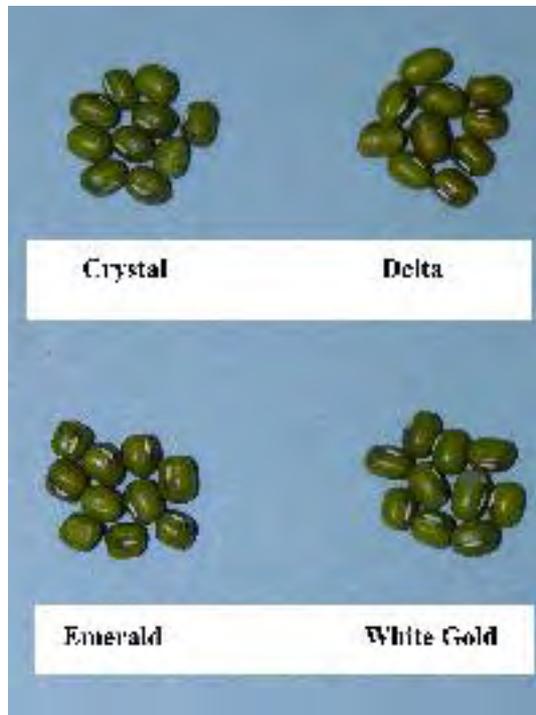
Title Holder: State of Queensland through its Department of Primary Industries and Fisheries & Grains Research & Development Corporation

Agent: N/A

Telephone: 0746603609

Fax: 0746603600

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Australian Government
IP Australia

Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Noni (*Morinda citrifolia*)

Variety: 'Allright'

Synonym: N/A

Application no: 2005/352

Current status: ACCEPTED

Certificate no: N/A

Received: 19-Dec-2005

Accepted: 25-Jan-2006

Granted: N/A

Description published

in Plant Varieties Journal: Volume 21, Issue 4

Description published in Plant Varieties Journal:

Title Holder: Aurait Supreme Pty Ltd

Agent: N/A

Telephone: 0740671393

Fax: N/A

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





Australian Government
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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Oats (*Avena sativa*)

Variety: 'Mammoth'

Synonym: N/A

Application no: 2008/189

Current status: ACCEPTED

Certificate no: N/A

Received: 25-Jun-2008

Accepted: 29-Jul-2008

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: New Zealand Institute for Crop & Food Research Limited

Agent: Heritage Seeds Pty Ltd

Telephone: 0260265288

Fax: 0260265268

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Australian Government
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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Peach (*Prunus persica*)

Variety: 'Burpeachthree'

Synonym: Burpchthree

Application no: 2004/307

Current status: ACCEPTED

Certificate no: N/A

Received: 15-Nov-2004

Accepted: 23-Dec-2004

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: The Burchell Nursery, Inc.

Agent: Jempi Pty Ltd

Telephone: 0395892346

Fax: 0395890818

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





Australian Government
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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Peach (*Prunus persica*)

Variety: 'Burpeachsix'

Synonym: Burpchsix

Application no: 2004/310

Current status: ACCEPTED

Certificate no: N/A

Received: 15-Nov-2004

Accepted: 23-Dec-2004

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: The Burchell Nursery, Inc.

Agent: Jempi Pty Ltd

Telephone: 0395892346

Fax: 0395890818

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





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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Peach (*Prunus persica*)

Variety: 'Burpeachtwo'

Synonym: Burpchtwo

Application no: 2004/306

Current status: ACCEPTED

Certificate no: N/A

Received: 15-Nov-2004

Accepted: 23-Dec-2004

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

▪ **Title Holder:** The Burchell Nursery, Inc. ▪

Agent: Jempi Pty Ltd

Telephone: 0395892346

Fax: 0395890818

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





Australian Government
IP Australia

Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Peach (*Prunus persica*)

Variety: 'Burpeachfour'

Synonym: Burpchtfour

Application no: 2004/308

Current status: ACCEPTED

Certificate no: N/A

Received: 15-Nov-2004

Accepted: 23-Dec-2004

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: The Burchell Nursery, Inc.

Agent: Jempi Pty Ltd

Telephone: 0395892346

Fax: 0395890818

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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Persian Walnut (*Juglans regia*)

Variety: 'Robert Livermore'

Synonym: N/A

Application no: 2001/100

Current status: ACCEPTED

Certificate no: N/A

Received: 05-Apr-2001

Accepted: 02-May-2001

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

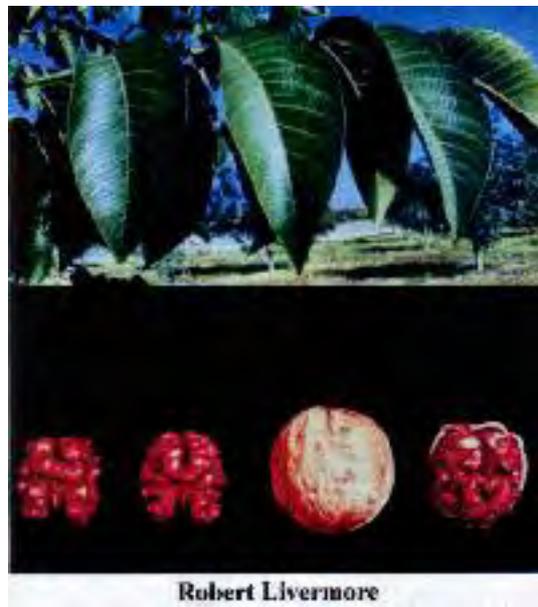
Title Holder: The Regents of the University of California

Agent: Phillips Ormonde & Fitzpatrick

Telephone: 0396141944

Fax: 0396141867

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Australian Government
IP Australia

Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Photinia (*Photinia glabra*)

Variety: 'Ever Bright'

Synonym: N/A

Application no: 2002/129

Current status: ACCEPTED

Certificate no: N/A

Received: 20-May-2002

Accepted: 26-Jun-2002

Granted: N/A

Description

published

in Plant Varieties Journal: Volume 21, Issue 4

Journal:

Title Holder: RJ Cherry

Agent: N/A

Telephone: 0243761330

Fax: 0243761271

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Australian Government
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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Photinia (*Photinia glabra*)

Variety: 'Red Devil'

Synonym: N/A

Application no: 2002/128

Current status: ACCEPTED

Certificate no: N/A

Received: 20-May-2002

Accepted: 26-Jun-2002

Granted: N/A

Description

published

in Plant Volume 21, Issue 4

Varieties

Journal:

Title Holder: RJ Cherry

Agent: N/A

Telephone: 0243761330

Fax: 0243761271

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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Photinia (*Photinia glabra*)

Variety: 'PARSUB'
Synonym: SUPER BRONZE

Application no: 2007/018

Current status: ACCEPTED

Certificate no: N/A

Received: 15-Jan-2007

Accepted: 16-Mar-2007

Granted: N/A

Description published

in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: The Paradise Seed Company Pty Ltd

Agent: R J Cherry Holdings Pty Ltd

Telephone: 0243761330

Fax: 0243761271

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IP Australia

Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Photinia (*Photinia glabra*)

Variety: 'PARSUR'
Synonym: SUPER RED

Application no: 2007/017

Current status: ACCEPTED

Certificate no: N/A

Received: 15-Jan-2007

Accepted: 16-Mar-2007

Granted: N/A

Description published

in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: The Paradise Seed Company Pty Ltd

Agent: R J Cherry Holdings Pty Ltd

Telephone: 0243761330

Fax: 0243761271

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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Pittosporum (*Pittosporum tenuifolium*)

Variety: 'GREEN SHEEN'

Synonym: N/A

Application no: 2007/196

Current status: ACCEPTED

Certificate no: N/A

Received: 02-Aug-2007

Accepted: 05-Sep-2007

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: Matthew Brooks

Agent: N/A

Telephone: 0397520706

Fax: N/A

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





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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Raspberry (*Rubus idaeus*)

Variety: 'Sevillana'

Synonym: N/A

Application no: 2008/339

Current status: ACCEPTED

Certificate no: N/A

Received: 12-Nov-2008

Accepted: 15-Dec-2008

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Varieties Journal:

Title Holder: Driscoll Strawberry Associates, Inc.

Agent: Phillips Ormonde & Fitzpatrick

Telephone: 0396222289

Fax: 0396141944

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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Raspberry (*Rubus idaeus*)

Variety: 'Pacifica'

Synonym: N/A

Application no: 2008/338

Current status: ACCEPTED

Certificate no: N/A

Received: 12-Nov-2008

Accepted: 15-Dec-2008

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: Driscoll Strawberry Associates, Inc.

Agent: Phillips Ormonde & Fitzpatrick

Telephone: 0396222289

Fax: 0396141944

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





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IP Australia

Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Raspberry (*Rubus idaeus*)

Variety: 'DrisRaspOne'

Synonym: N/A

Application no: 2008/320

Current status: ACCEPTED

Certificate no: N/A

Received: 27-Oct-2008

Accepted: 03-Dec-2008

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Varieties Journal:

Title Holder: Driscoll Strawberry Associates, Inc

Agent: Phillips Ormonde & Fitzpatrick

Telephone: 0396222289

Fax: (03) 9614 1867

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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

River Lomandra (*Lomandra fluviatilis*)

Variety: 'ABU7'

Synonym: N/A

Application no: 2008/308

Current status: ACCEPTED

Certificate no: N/A

Received: 20-Oct-2008

Accepted: 19-Nov-2008

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: Jon Williams

Agent: Ozbreed Pty Ltd

Telephone: 0245772977

Fax: 0245877728

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Australian Government
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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Rose (*Rosa hybrid*)

Variety: 'Grandemufrap'

Synonym: N/A

Application no: 2007/309

Current status: ACCEPTED

Certificate no: N/A

Received: 22-Nov-2007

Accepted: 12-Dec-2007

Granted: N/A

Description published

in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: Mr H Schreuders

Agent: Grandiflora Nurseries Pty Ltd

Telephone: 0397822777

Fax: 0397822576

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





Australian Government
IP Australia

Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Rose (*Rosa hybrid*)

Variety: 'Lexativas'

Synonym: N/A

Application no: 2007/213

Current status: ACCEPTED

Certificate no: N/A

Received: 17-Aug-2007

Accepted: 11-Sep-2007

Granted: N/A

Description published

in Plant Varieties Journal: Volume 21, Issue 4

Title Holder:

Levacy Ltd

Agent: Grandiflora Nurseries Pty Ltd

Telephone: 0397822777

Fax: 0397822576

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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Rose (*Rosa hybrid*)

Variety: 'Lexidagam'

Synonym: N/A

Application no: 2007/212

Current status: ACCEPTED

Certificate no: N/A

Received: 17-Aug-2007

Accepted: 11-Sep-2007

Granted: N/A

Description published

in Plant Varieties Journal: Volume 21, Issue 4

Title Holder:

Levacy Ltd

Agent: Grandiflora Nurseries Pty Ltd

Telephone: 0397822777

Fax: 0397822576

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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Rose (*Rosa hybrid*)

Variety: 'Lexteews'

Synonym: N/A

Application no: 2007/211

Current status: ACCEPTED

Certificate no: N/A

Received: 16-Aug-2007

Accepted: 11-Sep-2007

Granted: N/A

Description published

in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: Evalesco

Agent: Grandiflora Nurseries Pty Ltd

Telephone: 0397822777

Fax: 0397822576

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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Rose (*Rosa hybrid*)

Variety: 'PEJAMBLU'

Synonym: N/A

Application no: 2007/185

Current status: ACCEPTED

Certificate no: N/A

Received: 19-Jul-2007

Accepted: 14-Aug-2007

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Varieties Journal:

Title Holder: Peter Joseph James

Agent: Australian Roses

Telephone: 0397379226

Fax: 0397379277

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





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IP Australia

Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Rose (*Rosa hybrid*)

Variety: 'Selmusic'

Synonym: N/A

Application no: 2007/187

Current status: ACCEPTED

Certificate no: N/A

Received: 19-Jul-2007

Accepted: 30-Jul-2007

Granted: N/A

Description published

in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: TERRA NIGRA Holding B.V.

Agent: Grandiflora Nurseries Pty Ltd

Telephone: 0397822777

Fax: 0397822576

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





Australian Government
IP Australia

Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Rose (*Rosa hybrid*)

Variety: 'Grandtinifa'

Synonym: N/A

Application no: 2007/312

Current status: ACCEPTED

Certificate no: N/A

Received: 22-Nov-2007

Accepted: 12-Dec-2007

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: Mr H Schreuders

Agent: Grandiflora Nurseries Pty Ltd

Telephone: 0397822777

Fax: 0397822576

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





Australian Government
IP Australia

Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Rose (*Rosa hybrid*)

Variety: 'Grandhonemo'

Synonym: N/A

Application no: 2007/311

Current status: ACCEPTED

Certificate no: N/A

Received: 22-Nov-2007

Accepted: 12-Dec-2007

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Varieties Journal:

Title Holder: Mr H Schreuders

Agent: Grandiflora Nurseries Pty Ltd

Telephone: 0397822777

Fax: 0397822576

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





Australian Government
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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Rose (*Rosa hybrid*)

Variety: 'Grandshanla'

Synonym: N/A

Application no: 2007/310

Current status: ACCEPTED

Certificate no: N/A

Received: 22-Nov-2007

Accepted: 12-Dec-2007

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: Mr H Schreuders

Agent: Grandiflora Nurseries Pty Ltd

Telephone: 0397822777

Fax: 0397822576

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





Australian Government
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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Spurge (*Euphorbia hybrid*)

Variety: 'Nothowlee'

Synonym: Blackbird

Application no: 2008/137

Current status: ACCEPTED

Certificate no: N/A

Received: 14-May-2008

Accepted: 17-Jun-2008

Granted: N/A

Description

published

in Plant Varieties Journal: Volume 21, Issue 4

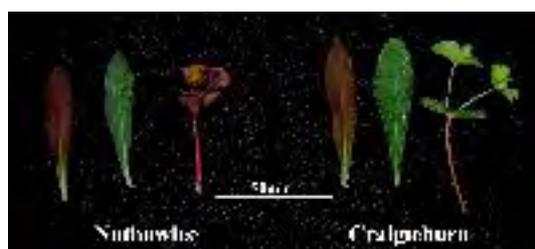
Title Holder: Notcutts Nurseries

Agent: Plants Management Australia Pty. Ltd.

Telephone: 0362692123

Fax: 0362692612

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





Australian Government
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Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Strawberry (*Fragaria x ananassa*)

Variety: 'DrisStrawTwo'

Synonym: N/A

Application no: 2008/280

Current status: ACCEPTED

Certificate no: N/A

Received: 17-Sep-2008

Accepted: 03-Oct-2008

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Varieties Journal:

Title Holder: Driscoll Strawberry Associates, Inc

Agent: Phillips Ormonde & Fitzpatrick

Telephone: 0396222289

Fax: (03) 9614 1867

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





Australian Government
IP Australia

Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Sugarcane (*Saccharum hybrid*)

Variety: 'Q237'

Synonym: N/A

Application no: 2008/196

Current status: ACCEPTED

Certificate no: N/A

Received: 26-Jun-2008

Accepted: 04-Sep-2008

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

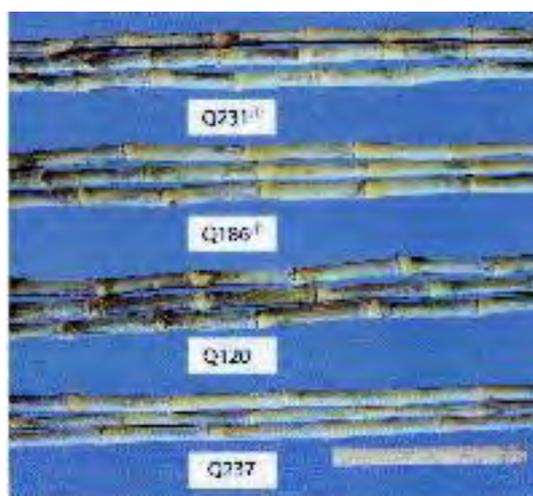
Title Holder: BSES Limited

Agent: N/A

Telephone: 0749636805

Fax: 0738710383

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





Australian Government
IP Australia

Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Sugarcane (*Saccharum hybrid*)

Variety: 'KQ236'

Synonym: N/A

Application no: 2008/195

Current status: ACCEPTED

Certificate no: N/A

Received: 26-Jun-2008

Accepted: 04-Sep-2008

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Varieties Journal:

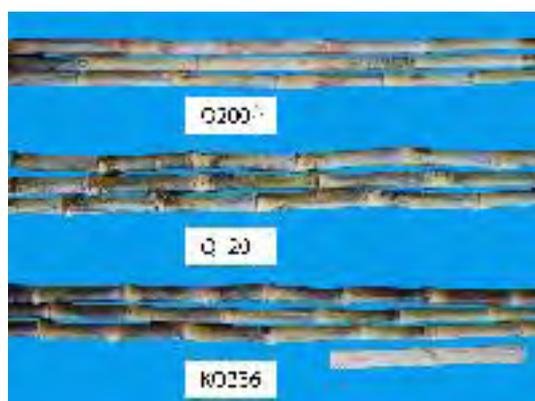
Title Holder: BSES Limited and CSR Ltd

Agent: N/A

Telephone: 0749545100

Fax: 0749545167

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





Australian Government
IP Australia

Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Triticale (*xTriticosecale*)

Variety: 'Endeavour'

Synonym: N/A

Application no: 2008/043

Current status: ACCEPTED

Certificate no: N/A

Received: 21-Feb-2008

Accepted: 11-Mar-2008

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: University of Sydney

Agent: N/A

Telephone: 0293518800

Fax: N/A

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





Australian Government
IP Australia

Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Triticale (*xTriticosecale*)

Variety: 'Tobruk'

Synonym: N/A

Application no: 2008/044

Current status: ACCEPTED

Certificate no: N/A

Received: 21-Feb-2008

Accepted: 11-Mar-2008

Granted: N/A

Description published in Plant Varieties Volume 21, Issue 4

Journal:

Title Holder: University of Sydney

Agent: N/A

Telephone: 0293518800

Fax: N/A

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





Australian Government
IP Australia

Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Wheat (*Triticum aestivum*)

Variety: 'Gascoigne'

Synonym: N/A

Application no: 2008/325

Current status: ACCEPTED

Certificate no: N/A

Received: 05-Nov-2008

Accepted: 15-Dec-2008

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Varieties Journal:

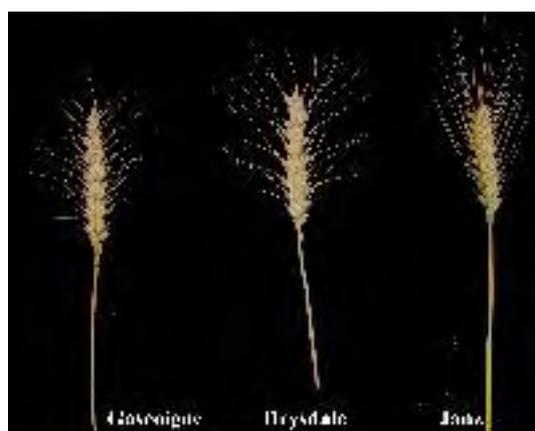
Title Holder: HRZ Wheat Pty Ltd

Agent: N/A

Telephone: 0262465388

Fax: 62465399

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





Australian Government
IP Australia

Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Wheat (*Triticum aestivum*)

Variety: 'EGA Stampede'

Synonym: N/A

Application no: 2007/304

Current status: ACCEPTED

Certificate no: N/A

Received: 09-Nov-2007

Accepted: 21-Dec-2007

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: State of Queensland through its Department of Primary Industries & Fisheries, Department of Primary Industries for and on behalf of the State of New South Wales, The University of Queensland, Grains Research and Development Corporation

Agent: N/A

Telephone: 0746398832

Fax: 0746398800

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





Australian Government
IP Australia

Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Wheat (*Triticum aestivum*)

Variety: 'EGA Bounty'

Synonym: N/A

Application no: 2007/303

Current status: ACCEPTED

Certificate no: N/A

Received: 09-Nov-2007

Accepted: 21-Dec-2007

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Varieties Journal:

Title Holder: State of Queensland through its Department of Primary Industries & Fisheries, Department of Primary Industries for and on behalf of the State of New South Wales and Grains Research and Development Corporation

Agent: N/A

Telephone: 0746398832

Fax: 0746398800

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





Australian Government
IP Australia

Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Wheat (*Triticum aestivum*)

Variety: 'ZEBU'

Synonym: N/A

Application no: 2008/029

Current status: ACCEPTED

Certificate no: N/A

Received: 12-Feb-2008

Accepted: 20-Jun-2008

Granted: N/A

Description published in Plant Varieties
Volume 21, Issue 4

Journal:

Title Holder: Australian Grain Technologies Pty Ltd

Agent: N/A

Telephone: 0883036861

Fax: 0883036865

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





Australian Government
IP Australia

Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Wheat (*Triticum aestivum*)

Variety: 'Preston'

Synonym: N/A

Application no: 2008/326

Current status: ACCEPTED

Certificate no: N/A

Received: 05-Nov-2008

Accepted: 15-Dec-2008

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: HRZ Wheat Pty Ltd

Agent: N/A

Telephone: 0262465388

Fax: 62465399

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





Australian Government
IP Australia

Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Wheat (*Triticum aestivum*)

Variety: 'Fang'

Synonym: N/A

Application no: 2008/199

Current status: ACCEPTED

Certificate no: N/A

Received: 30-Jun-2008

Accepted: 18-Aug-2008

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: Australian Grain Technologies Pty Ltd

Agent: N/A

Telephone: 0883036861

Fax: 0883036865

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





Australian Government
IP Australia

Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Wheat (*Triticum aestivum*)

Variety: 'Mace'

Synonym: N/A

Application no: 2008/198

Current status: ACCEPTED

Certificate no: N/A

Received: 30-Jun-2008

Accepted: 20-Aug-2008

Granted: N/A

Description published

in Plant Varieties Journal: Volume 21, Issue 4

Title Holder:

Australian Grain Technologies Pty Ltd

Agent: N/A

Telephone: 0883036861

Fax: 0883036865

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





Australian Government
IP Australia

Plant Varieties Journal

Plant Varieties Journal - Search Result Details

White Cedar (*Melia azedarach*)

Variety: 'Elite'

Synonym: N/A

Application no: 2006/105

Current status: ACCEPTED

Certificate no: N/A

Received: 10-May-2006

Accepted: 05-Oct-2006

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: Metropolitan Tree Growers Pty Ltd

Agent: N/A

Telephone: 0394999913

Fax: 0394999916

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





Australian Government
IP Australia

Plant Varieties Journal

Plant Varieties Journal - Search Result Details

White Clover (*Trifolium repens*)

Variety: 'Quest'

Synonym: GC95

Application no: 2006/327

Current status: ACCEPTED

Certificate no: N/A

Received: 18-Dec-2006

Accepted: 31-Jan-2007

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: Grasslanz Technology Limited

Agent: Seed Technology & Marketing Pty Ltd

Telephone: 0882349333

Fax: 0882215559

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





Australian Government
IP Australia

Plant Varieties Journal

Plant Varieties Journal - Search Result Details

White Spruce (*Picea glauca*)

Variety: 'DECEMBER'

Synonym: Xmas Star

Application no: 2007/180

Current status: ACCEPTED

Certificate no: N/A

Received: 18-Jul-2007

Accepted: 27-Aug-2007

Granted: N/A

Description published in Plant Varieties Journal: Volume 21, Issue 4

Title Holder: Dick Scholten

Agent: Coolwyn Nurseries Pty Ltd

Telephone: 0397566668

Fax: 0397520266

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





Australian Government
IP Australia

Plant Varieties Journal

Plant Varieties Journal - Search Result Details

Yellow Buttons (*Chrysocephalum apiculatum*)

Variety: 'FLOCHRDEF'

Synonym: N/A

Application no: 2007/140

Current status: ACCEPTED

Certificate no: N/A

Received: 17-May-2007

Accepted: 17-Jun-2007

Granted: N/A

Description published

in Plant Varieties Journal: Volume 21, Issue 4

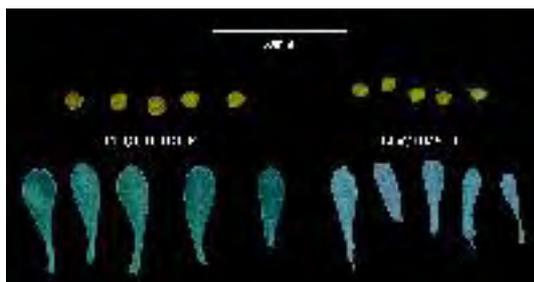
Title Holder: Floreta Intellectual Property Pty Ltd as Trustee for the Chrysocephalum Trust

Agent: N/A

Telephone: 0732067676

Fax: 0732068922

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



Details of Application

Application Number	2005/030
Variety Name	'Rivergold'
Genus Species	<i>Prunus armeniaca</i>
Common Name	Apricot
Synonym	Nil
Accepted Date	19 Apr 2005
Applicant	Minister for Agriculture, Food and Fisheries, Adelaide, SA
Agent	N/A
Qualified Person	Darren Graetz

Details of Comparative Trial

Location	Loxton Research Centre, Loxton, SA (Longitude 140° 39.8 East, Latitude 34° 28.6 South).
Descriptor	Apricot (<i>Prunus armeniaca</i>) TG/70/4.
Period	Jun 2004 – ongoing.
Conditions	Trees were grafted onto Myrobalan H29C rootstock in a field nursery and grown to a year old whip. In Jun 2004 the trees were bare rooted and planted into the trial orchard at tree spacings of 2.5m within rows and 5m between rows and immediately headed at 1.1m. All trees were then trained to Free Standing V with a trunk height of 900mm to cater for a range of harvesting machines/catchers. Irrigation was supplied via under tree micro jet sprinklers at approximately 6ML/Ha annually. All agronomic inputs were as per commercial orchard practices with fertiliser, pest and disease treatments applied as required.
Trial Design	The comparative trial consists of randomised blocks of 8-9 trees of each variety within four, twenty five tree rows. Spacing between trees is 2.5m with 5m between rows. Each tree within a variety block will be treated as a replicate for the purposed of PBR examination. The varieties used in the trial are 'Riverbrite' (9 trees), 'River Ruby' (9 trees), 'Rivergold' (8 trees), 'Rivergem' (8 trees), 'Patterson' (8 trees) and 'Moorpark' (8 trees).
Measurements	Flower, petal, tree, shoot, leaf and petiole observations were made on five trees of each variety. Fruit measurements were made on seven fruit from each of five trees per variety. Measurements taken for each fruit were weight (g), lateral width (mm), ventral width (mm), height (mm), Total soluble solids (Brix) and stone weight (gm). Firmness was also measured as an average kilograms force of the each of the two fruit halves. The ratios of height/ventral width, lateral width/ventral width and weight of fruit/weight of stone were calculated from the data. Data was analysed by one-way analysis of variance and an all-pairwise LSD calculated at the 1% level to determine mean separation and determine statistical differences.
RHS Chart - edition	1995

Origin and Breeding

Controlled pollination: F₁ between seed parent 'Harcot' x pollen parent 'Rivergem' in a planned breeding program at Loxton, SA. The controlled pollination involved the emasculation of flowers prior to bloom and the addition of stored dried pollen. The resultant seed was collected in Dec 1996, nursery germinated in Jul 1997 and planted into high-density assessment blocks in Jul 1998. Fruit characteristics have been observed for 7 seasons since Dec 2002. The line has been propagated asexually by grafting/budding many times to appropriate rootstocks since that time. Fruit has been observed on grafted trees since Dec 2006. Fruit on grafted trees has not been discernibly different from that on the seedling parent tree, indicating the stability of the line. Seed parent is characterised by large early ripening firm fleshed fruit, free stone, deep apricot skin and flesh colour with medium total soluble solids (TSS) levels. Pollen parent is characterised by heavy cropping habit, early ripening, free stone, pale apricot skin colour, firm medium fruit size with medium to high total soluble solids (TSS) levels. Selection criteria: fruit size and firmness, medium to high soluble solids and suitability for drying. Propagation: clonally by grafting to suitable industry standard rootstocks. After each propagation the variety has been true to type and stable. Breeder-: D. Graetz and F. Gathercole, South Australian Research & Development Institute .

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 of beginning of flowering	medium
Fruit	firmness of flesh	firm
Fruit	ground colour of skin	light orange
Fruit	colour of flesh	light orange

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Rivergem'	Recognised drying apricot variety that has firm flesh with light flesh colour and similar time of fruit ripening and flowering.

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics in Candidate Variety	State of Expression Comparator	State of Expression in Variety	Comments
'Harcot'	Fruit time of beginning of fruit ripening	early	medium	Maternal parent not chosen for the DUS trial as it has a high chill requirement and barely crops at the trial site.

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	'Rivergold'	'Rivergem'
<input type="checkbox"/> Tree: vigour	medium	medium
<input type="checkbox"/> Tree: habit	upright to spreading	drooping
<input type="checkbox"/> Tree: degree of branching	medium	medium

<input type="checkbox"/>	*Tree: distribution of flower buds	equally on spurs and on one-year old shoots	equally on spurs and on one-year old shoots
<input type="checkbox"/>	*Young shoot: anthocyanin colouration of apex	strong	medium
<input type="checkbox"/>	One-year-old shoot: colour on sunny side	red brown	red brown
<input type="checkbox"/>	One-year old shoot: size of bud support	small	medium
<input type="checkbox"/>	Leaf blade: length	medium	medium
<input type="checkbox"/>	Leaf blade: width	medium	medium
<input type="checkbox"/>	Leaf blade: ratio length/width	medium	medium
<input type="checkbox"/>	Leaf blade: intensity of green colour of upper side	light	light
<input type="checkbox"/>	Leaf blade: shape of base	truncate	obtuse
<input type="checkbox"/>	Leaf blade: angle of apex (excluding tip)	right-angled	moderately obtuse
<input type="checkbox"/>	Leaf blade: length of tip	medium	medium
<input type="checkbox"/>	Leaf blade: incisions of margin	bicrenate	bicrenate
<input type="checkbox"/>	Leaf blade: undulation of margin	weak	weak
<input type="checkbox"/>	Leaf blade: profile in cross section	moderately concave	moderately concave
<input type="checkbox"/>	*Petiole: length	medium	medium
<input type="checkbox"/>	Leaf: ratio length of blade/length of petiole	small	small
<input type="checkbox"/>	Petiole: thickness	medium	medium
<input type="checkbox"/>	Petiole: anthocyanin colouration of upper side	medium	medium
<input checked="" type="checkbox"/>	*Petiole: predominant number of nectaries	more than three	two or three
<input type="checkbox"/>	Petiole: size of nectaries	medium	medium
<input type="checkbox"/>	*Flower: diameter	medium	medium
<input type="checkbox"/>	Flower: position of stigma relative to anthers	above	above
<input type="checkbox"/>	Petal: shape (excluding claw)	circular	circular
<input type="checkbox"/>	Petal: colour on lower side	light pink	light pink
<input checked="" type="checkbox"/>	*Fruit: size	large	medium
<input type="checkbox"/>	Fruit: shape in lateral view	circular	circular
<input type="checkbox"/>	Fruit: shape in ventral view	oblong	oblong
<input type="checkbox"/>	Fruit: height	medium	medium
<input type="checkbox"/>	Fruit: lateral width	broad	broad
<input type="checkbox"/>	Fruit: ventral width	medium	medium
<input type="checkbox"/>	Fruit: ratio height/ventral width	medium	medium
<input type="checkbox"/>	Fruit: ratio lateral width/ventral width	large	large

<input type="checkbox"/>	Fruit: symmetry in ventral view	symmetric	slightly asymmetric
<input type="checkbox"/>	*Fruit: suture	slightly sunken	slightly sunken
<input type="checkbox"/>	*Fruit: depth of stalk cavity	medium	shallow
<input type="checkbox"/>	*Fruit: shape of apex	truncate	truncate
<input type="checkbox"/>	Fruit: presence of mucron	absent	absent
<input type="checkbox"/>	Fruit: surface	smooth	smooth
<input type="checkbox"/>	Fruit: pubescence	present	present
<input type="checkbox"/>	*Fruit: ground colour	light orange	light orange
<input type="checkbox"/>	*Fruit: relative area of over colour	medium	medium
<input type="checkbox"/>	Fruit: hue of over colour	pink	pink
<input type="checkbox"/>	Fruit: intensity of over colour	medium	medium
<input type="checkbox"/>	Fruit: pattern of over colour	isolated flecks (spots)	solid flush
<input type="checkbox"/>	*Fruit: colour of flesh	light orange	light orange
<input type="checkbox"/>	Fruit: texture of flesh	fine	fine
<input type="checkbox"/>	Fruit: firmness of flesh	firm	firm
<input type="checkbox"/>	Fruit: ratio weight of fruit/weight of stone	medium	small
<input type="checkbox"/>	*Fruit: adherence of stone to flesh	absent or very weak	absent or very weak
<input type="checkbox"/>	*Stone: shape in lateral view	circular	oblong
<input type="checkbox"/>	Kernel: bitterness	medium	medium
<input type="checkbox"/>	*Time of: beginning of flowering	medium	medium
<input checked="" type="checkbox"/>	*Time of: beginning of fruit ripening	early	medium

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	‘Rivergold’	‘Rivergem’
<input checked="" type="checkbox"/> Fruit: rain cracking susceptibility	slightly susceptible	very susceptible

Statistical Table

Organ/Plant Part: Context	‘Rivergold’	‘Rivergem’
<input checked="" type="checkbox"/> Fruit: height (mm)		
Mean	42.97	34.31
Std. Deviation	1.93	1.49
LSD/sig	1.09	P≤0.01
<input type="checkbox"/> Fruit: lateral width (mm)		
Mean	45.63	35.97
Std. Deviation	2.62	1.47
LSD/sig	1.34	P≤0.01
<input checked="" type="checkbox"/> Fruit: ratio lateral width/ventral width		

Mean	1.10	1.03
Std. Deviation	0.05	0.04
LSD/sig	0.03	P≤0.01
<input checked="" type="checkbox"/> Stone: weight (g)		
Mean	3.00	2.13
Std. Deviation	0.23	0.18
LSD/sig	0.13	P≤0.01
<input checked="" type="checkbox"/> Fruit: ventral width (mm)		
Mean	41.34	35.06
Std. Deviation	1.98	1.47
LSD/sig	1.10	P≤0.01
<input type="checkbox"/> Fruit: weight (g)		
Mean	47.70	26.93
Std. Deviation	5.74	2.28
LSD/sig	2.76	P≤0.01
<input type="checkbox"/> Fruit: ratio weight of fruit/weight of stone		
Mean	15.90	12.70
Std. Deviation	1.51	0.61
LSD/sig	0.72	P≤0.01
<input checked="" type="checkbox"/> Fruit: ratio height/ventral width		
Mean	1.04	0.98
Std. Deviation	0.04	0.04
LSD/sig	0.02	P≤0.01

Prior Applications and Sales

Nil.

Description: **Darren Graetz**, SARDI, Adelaide, SA.

Details of Application

Application Number	2005/028
Variety Name	'Riverbrite'
Genus Species	<i>Prunus armeniaca</i>
Common Name	Apricot
Synonym	Nil
Accepted Date	19 Apr 2005
Applicant	Minister for Agriculture, Food and Fisheries, Adelaide, SA
Agent	N/A
Qualified Person	Darren Graetz

Details of Comparative Trial

Location	Loxton Research Centre, Loxton, SA (Longitude 140° 39.8 East, Latitude 34° 28.6 South).
Descriptor	TG/70/4.
Period	Jun 2004 – ongoing.
Conditions	Trees were grafted onto Myrobalan H29C rootstock in a field nursery and grown to a year old whip. In Jun 2004 the trees were bare rooted and planted into the trial orchard at tree spacings of 2.5m within rows and 5m between rows and immediately headed at 1.1m. All trees were then trained to Free Standing V with a trunk height of 900mm to cater for a range of harvesting machines/catchers. Irrigation was supplied via under tree micro jet sprinklers at approximately 6ML/Ha annually. All agronomic inputs were as per commercial orchard practices with fertiliser, pest and disease treatments applied as required.
Trial Design	The comparative trial is set up in randomised blocks of 8-9 trees of each variety within four twenty-five tree rows. Spacing between trees is 2.5m with 5m between rows. Each tree within a variety block will be treated as replicate for the purposed of PBR examination. The varieties used in the trial are 'Riverbrite' (9 trees), 'River Ruby' (9 trees), 'Rivergold' (8 trees), 'Rivergem' (8 trees), 'Patterson' (8 trees) and 'Moorpark' (8 trees).
Measurements	Flower, petal, tree, shoot, leaf and petiole observations were made on five trees of each variety. Fruit measurements were made on seven fruit from each of five trees per variety. Measurements taken for each fruit were weight (g), lateral width (mm), ventral width (mm), height (mm), Total soluble solids (Brix) and stone weight (gm). Firmness was also measured as an average kilograms force of the each of the two fruit halves. The ratios of height/ventral width, lateral width/ventral width and weight of fruit/weight of stone were calculated from the data. Data was analysed by one-way analysis of variance and an all-pairwise LSD calculated at the 1% level to determine mean separation and determine statistical differences.
RHS Chart - edition	1995.

Origin and Breeding

Controlled pollination: F₁ between seed parent 'Patterson' x pollen parent 'Rivergem' in a planned breeding program at Loxton, SA. Seed parent is characterised by heavy cropping habit, early ripening, free stone, apricot skin colour, firm medium to large fruit size with low to medium total soluble solids (TSS) levels. Pollen parent is characterised by heavy cropping habit, early ripening, free stone, pale apricot skin colour, firm medium fruit size with medium to high total soluble solids (TSS) levels. Selection criteria: fruit size and firmness, medium to high soluble solids and suitability for drying. Propagation: clonally by grafting to suitable industry standard rootstocks. After each propagation the variety has been true to type and stable. Breeder-: D. Graetz and F. Gathercole, South Australian Research & Development Institute.

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	time of beginning of fruit ripening	early or medium
Fruit	firmness of flesh	firm or very firm
Fruit	suture	slightly sunken
Fruit	shape in ventral view	oblong

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Rivergem'	Male (pollen) parent.
'Patterson'	Maternal parent.

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Story'	Fruit firmness of fruit	firm	soft	'Story' is an early ripening but sometimes unstable bud mutant of the later ripening 'Moorpark'.

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	'Riverbrite'	'Patterson'	'Rivergem'
<input type="checkbox"/> Tree: vigour	strong	strong	medium
<input checked="" type="checkbox"/> Tree: habit	upright to spreading	upright	drooping
<input type="checkbox"/> Tree: degree of branching	medium	medium	medium
<input checked="" type="checkbox"/> *Tree: distribution of flower buds	predominantly on spurs	equally on spurs and on one-year old shoots	equally on spurs and on one-year old shoots
<input type="checkbox"/> *Young shoot: anthocyanin colouration	medium	medium	medium

of apex

<input type="checkbox"/>	One-year-old shoot: colour on sunny side	red brown	purple brown	red brown
<input type="checkbox"/>	One-year old shoot: size of bud support	medium	medium	medium
<input type="checkbox"/>	Leaf blade: length	medium	medium	medium
<input type="checkbox"/>	Leaf blade: width	medium	medium	medium
<input type="checkbox"/>	Leaf blade: ratio length/width	medium	medium	medium
<input type="checkbox"/>	Leaf blade: intensity of green colour of upper side	medium	medium	light
<input type="checkbox"/>	Leaf blade: shape of base	truncate	truncate	obtuse
<input type="checkbox"/>	Leaf blade: angle of apex (excluding tip)	right-angled	right-angled	moderately obtuse
<input type="checkbox"/>	Leaf blade: length of tip	medium	medium	medium
<input checked="" type="checkbox"/>	Leaf blade: incisions of margin	bicrenate	biserrate	bicrenate
<input type="checkbox"/>	Leaf blade: undulation of margin	weak	weak	weak
<input type="checkbox"/>	Leaf blade: profile in cross section	moderately concave	moderately concave	moderately concave
<input type="checkbox"/>	*Petiole: length	medium	medium	medium
<input type="checkbox"/>	Leaf: ratio length of blade/length of petiole	small	small	small
<input type="checkbox"/>	Petiole: thickness	medium	medium	medium
<input type="checkbox"/>	Petiole: anthocyanin colouration of upper side	medium	medium	medium
<input type="checkbox"/>	*Petiole: predominant number of nectaries	two or three	two or three	two or three
<input type="checkbox"/>	Petiole: size of nectaries	medium	medium	medium
<input type="checkbox"/>	*Flower: diameter	medium	large	medium
<input type="checkbox"/>	Flower: position of stigma relative to anthers	above	above	above
<input type="checkbox"/>	Petal: shape (excluding claw)	circular	circular	circular
<input type="checkbox"/>	Petal: colour on lower side	light pink	light pink	light pink
<input checked="" type="checkbox"/>	*Fruit: size	very large	large	medium
<input checked="" type="checkbox"/>	Fruit: shape in lateral view	oblong	oblong	circular
<input type="checkbox"/>	Fruit: shape in ventral view	oblong	oblong	oblong
<input checked="" type="checkbox"/>	Fruit: height	tall	tall	medium
<input type="checkbox"/>	Fruit: lateral width	medium	medium	broad
<input type="checkbox"/>	Fruit: ventral width	medium	medium	medium

<input type="checkbox"/>	Fruit: ratio height/ventral width	large	large	medium
<input type="checkbox"/>	Fruit: ratio lateral width/ventral width	medium	medium	large
<input type="checkbox"/>	Fruit: symmetry in ventral view	slightly asymmetric	slightly asymmetric	slightly asymmetric
<input type="checkbox"/>	*Fruit: suture	slightly sunken	slightly sunken	slightly sunken
<input checked="" type="checkbox"/>	*Fruit: depth of stalk cavity	deep	medium	shallow
<input type="checkbox"/>	*Fruit: shape of apex	truncate	truncate	truncate
<input type="checkbox"/>	Fruit: presence of mucron	absent	absent	absent
<input type="checkbox"/>	Fruit: surface	bumpy	bumpy	smooth
<input type="checkbox"/>	Fruit: pubescence	present	present	present
<input checked="" type="checkbox"/>	*Fruit: ground colour	light orange	medium orange	light orange
<input checked="" type="checkbox"/>	*Fruit: relative area of over colour	medium	small	medium
<input type="checkbox"/>	Fruit: hue of over colour	pink	pink	pink
<input type="checkbox"/>	Fruit: intensity of over colour	medium	light	medium
<input type="checkbox"/>	Fruit: pattern of over colour	solid flush	isolated flecks (spots)	solid flush
<input checked="" type="checkbox"/>	*Fruit: colour of flesh	light orange	medium orange	light orange
<input type="checkbox"/>	Fruit: texture of flesh	coarse	coarse	fine
<input type="checkbox"/>	Fruit: firmness of flesh	firm	very firm	firm
<input checked="" type="checkbox"/>	Fruit: ratio weight of fruit/weight of stone	large	medium	small
<input type="checkbox"/>	*Fruit: adherence of stone to flesh	absent or very weak	absent or very weak	absent or very weak
<input checked="" type="checkbox"/>	*Stone: shape in lateral view	elliptic	oblong	oblong
<input type="checkbox"/>	Kernel: bitterness	strong	strong	medium
<input checked="" type="checkbox"/>	*Time of: beginning of flowering	early	medium	medium
<input checked="" type="checkbox"/>	*Time of: beginning of fruit ripening	early	early	medium

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	‘Riverbrite’	‘Patterson’	‘Rivergem’
<input checked="" type="checkbox"/> Fruit: rain cracking susceptibility	slightly susceptible	not susceptible	very susceptible

Statistical Table

Organ/Plant Part: Context	‘Riverbrite’	‘Patterson’	‘Rivergem’
<input type="checkbox"/> Fruit: weight (g)			
Mean	50.40	38.37	26.93
Std. Deviation	8.05	3.77	2.28
LSD/sig	3.32	P≤0.01	P≤0.01
<input type="checkbox"/> Fruit: height (mm)			

Mean	49.14	43.34	34.31
Std. Deviation	2.88	1.66	1.49
LSD/sig	1.32	P≤0.01	P≤0.01
<input type="checkbox"/> Fruit: lateral width (mm)			
Mean	43.37	39.80	35.97
Std. Deviation	2.85	2.01	1.47
LSD/sig	1.37	P≤0.01	P≤0.01
<input type="checkbox"/> Fruit: ventral width (mm)			
Mean	40.49	38.31	35.06
Std. Deviation	2.87	1.71	1.47
LSD/sig	1.32	P≤0.01	P≤0.01
<input type="checkbox"/> Fruit: ratio height/ventral width			
Mean	1.22	1.13	0.98
Std. Deviation	0.07	0.04	0.04
LSD/sig	0.03	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Fruit: ratio lateral width/ventral width			
Mean	1.07	1.04	1.03
Std. Deviation	0.06	0.06	0.04
LSD/sig	0.03	ns	P≤0.01
<input type="checkbox"/> Fruit: total soluble solids (TSS) content (Brix)			
Mean	15.05	12.37	19.43
Std. Deviation	1.70	0.76	1.73
LSD/sig	0.92	P≤0.01	P≤0.01
<input type="checkbox"/> Stone: weight (g)			
Mean	2.90	2.50	2.13
Std. Deviation	0.31	0.25	0.18
LSD/sig	0.15	P≤0.01	P≤0.01
<input type="checkbox"/> Fruit: ratio weight of fruit/weight of stone			
Mean	17.36	15.39	12.68
Std. Deviation	1.96	1.10	0.61
LSD/sig	0.84	P≤0.01	P≤0.01

Prior Applications and Sales

Nil.

Description: **Darren Graetz**, SARDI, Adelaide, SA.

Details of Application

Application Number	2005/029
Variety Name	'River Ruby'
Genus Species	<i>Prunus armeniaca</i>
Common Name	Apricot
Synonym	Nil
Accepted Date	19 Apr 2005
Applicant	Minister for Agriculture, Food and Fisheries, Adelaide, SA
Agent	N/A
Qualified Person	Darren Graetz

Details of Comparative Trial

Location	Loxton Research Centre, Loxton, SA (Longitude 140° 39.8 East, Latitude 34° 28.6 South).
Descriptor	Apricot (<i>Prunus armeniaca</i>) TG/70/4.
Period	Jun 2004 – ongoing.
Conditions	Trees were grafted onto Myrobalan H29C rootstock in a field nursery and grown to a year old whip. In Jun 2004 the trees were bare rooted and planted into the trial orchard at tree spacings of 2.5m within rows and 5m between rows and immediately headed at 1.1m. All trees were then trained to Free Standing V with a trunk height of 900mm to cater for a range of harvesting machines/catchers. Irrigation was supplied via under tree micro jet sprinklers at approximately 6ML/Ha annually. All agronomic inputs were as per commercial orchard practices with fertiliser, pest and disease treatments applied as required.
Trial Design	The comparative trial is set up in randomised blocks of 8-9 trees of each variety within four twenty-five tree rows. Spacing between trees is 2.5m with 5m between rows. Each tree within a variety block will be treated as replicate for the purposed of PBR examination. The varieties used in the trial are 'Riverbrite' (9 trees), 'River Ruby' (9 trees), 'Rivergold' (8 trees), 'Rivergem' (8 trees), 'Patterson' (8 trees) and 'Moorpark' (8 trees).
Measurements	Flower, petal, tree, shoot, leaf and petiole observations were made on five trees of each variety. Fruit measurements were made on seven fruit from each of five trees per variety. Measurements taken for each fruit were weight (g), lateral width (mm), ventral width (mm), height (mm), Total soluble solids (Brix) and stone weight (g). Firmness was also measured as an average kilograms force of the each of the two fruit halves. The ratios of height/ventral width, lateral width/ventral width and weight of fruit/weight of stone were calculated from the data. Data was analysed by one-way analysis of variance and an all-pairwise LSD calculated at the 1% level to determine mean separation and determine statistical differences.
RHS Chart - edition	1995.

Origin and Breeding

Controlled pollination: F₁ between seed parent 'Rivergem' x pollen parent 'Rival' in a planned breeding program at Loxton, SA. The controlled pollination involved the emasculation of flowers prior to bloom and the addition of stored dried pollen. The resultant seed was collected in Dec 1996, nursery germinated in Jul 1997 and planted into high-density assessment blocks in Jul 1998. Fruit characteristics have been observed for 9 seasons since Dec 2000. The line has been propagated asexually by grafting/budding many times to appropriate rootstocks since that time. Fruit has been observed on grafted trees since Dec 2002. Fruit on grafted trees has not been discernibly different from that on the seedling parent tree, indicating the stability of the line. Pollen parent is characterised by large early ripening firm fleshed fruit, free stone, deep apricot skin and flesh colour with medium total soluble solids (TSS) levels. Seed parent is characterised by heavy cropping habit, early ripening, free stone, pale apricot skin colour, firm medium fruit size with medium to high total soluble solids (TSS) levels. Selection criteria: fruit size and firmness, medium to high soluble solids and suitability for drying. Propagation: clonally by grafting to suitable industry standard rootstocks. After each propagation the variety has been true to type and stable. Breeder:- D. Graetz and F. Gathercole, South Australian Research & Development Institute .

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	time of beginning of fruit ripening	medium
Flower	time of beginning of flowering	medium
Fruit	suture	slightly sunken
Fruit	shape in ventral view	oblong

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Rivergem'	Maternal parent.
'Moorpark'	Closest recognised drying apricot variety by timing of fruit ripening and time of beginning of flowering.

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics in Candidate Variety	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Rival'	Fruit colour of flesh	dark orange	dark orange	Is the pollen parent, not selected for DUS trial as it is high chill in nature and barely produces any fruit at the trial location.

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	‘River Ruby’	‘Moorpark’	‘Rivergem’
<input type="checkbox"/> Tree: vigour	strong	medium	medium
<input checked="" type="checkbox"/> Tree: habit	upright to spreading	spreading	drooping
<input type="checkbox"/> Tree: degree of branching	medium	medium	medium
<input type="checkbox"/> *Tree: distribution of flower buds	equally on spurs and on one-year old shoots	equally on spurs and on one-year old shoots	equally on spurs and on one-year old shoots
<input checked="" type="checkbox"/> *Young shoot: anthocyanin colouration of apex	weak	medium	medium
<input type="checkbox"/> One-year-old shoot: colour on sunny side	red brown	purple brown	red brown
<input type="checkbox"/> One-year old shoot: size of bud support	small	medium	medium
<input type="checkbox"/> Leaf blade: length	medium	medium	medium
<input type="checkbox"/> Leaf blade: width	medium	medium	medium
<input type="checkbox"/> Leaf blade: ratio length/width	medium	medium	medium
<input checked="" type="checkbox"/> Leaf blade: intensity of green colour of upper side	medium	dark	light
<input checked="" type="checkbox"/> Leaf blade: shape of base	truncate	cordate	obtuse
<input type="checkbox"/> Leaf blade: angle of apex (excluding tip)	moderately obtuse	right-angled	moderately obtuse
<input type="checkbox"/> Leaf blade: length of tip	medium	medium	medium
<input type="checkbox"/> Leaf blade: incisions of margin	bicrenate	bicrenate	bicrenate
<input type="checkbox"/> Leaf blade: undulation of margin	weak	medium	weak
<input type="checkbox"/> Leaf blade: profile in cross section	moderately concave	moderately concave	moderately concave
<input type="checkbox"/> *Petiole: length	medium	medium	medium
<input type="checkbox"/> Leaf: ratio length of blade/length of petiole	small	small	small
<input type="checkbox"/> Petiole: thickness	medium	medium	medium
<input type="checkbox"/> Petiole: anthocyanin colouration of upper side	medium	medium	medium
<input checked="" type="checkbox"/> *Petiole: predominant number of nectaries	more than three	more than three	two or three
<input type="checkbox"/> Petiole: size of nectaries	medium	medium	medium
<input type="checkbox"/> *Flower: diameter	medium	medium	medium
<input type="checkbox"/> Flower: position of stigma relative to anthers	above	above	above
<input type="checkbox"/> Petal: shape (excluding claw)	circular	circular	circular

<input type="checkbox"/>	Petal: colour on lower side	light pink	light pink	light pink
<input checked="" type="checkbox"/>	*Fruit: size	large	large	medium
<input type="checkbox"/>	Fruit: shape in lateral view	circular	circular	circular
<input type="checkbox"/>	Fruit: shape in ventral view	oblong	oblong	oblong
<input type="checkbox"/>	Fruit: height	medium	medium	medium
<input type="checkbox"/>	Fruit: lateral width	broad	broad	broad
<input type="checkbox"/>	Fruit: ventral width	medium	medium	medium
<input type="checkbox"/>	Fruit: ratio height/ventral width	medium	medium	medium
<input type="checkbox"/>	Fruit: ratio lateral width/ventral width	large	large	large
<input type="checkbox"/>	Fruit: symmetry in ventral view	slightly asymmetric	slightly asymmetric	slightly asymmetric
<input type="checkbox"/>	*Fruit: suture	slightly sunken	slightly sunken	slightly sunken
<input type="checkbox"/>	*Fruit: depth of stalk cavity	medium	shallow	shallow
<input type="checkbox"/>	*Fruit: shape of apex	truncate	truncate	truncate
<input type="checkbox"/>	Fruit: presence of mucron	absent	absent	absent
<input type="checkbox"/>	Fruit: surface	smooth	smooth	smooth
<input type="checkbox"/>	Fruit: pubescence	present	present	present
<input checked="" type="checkbox"/>	*Fruit: ground colour	medium orange	medium orange	light orange
<input checked="" type="checkbox"/>	*Fruit: relative area of over colour	medium	small	medium
<input type="checkbox"/>	Fruit: hue of over colour	pink	red	pink
<input type="checkbox"/>	Fruit: intensity of over colour	medium	light	medium
<input type="checkbox"/>	Fruit: pattern of over colour	solid flush	isolated flecks (spots)	solid flush
<input checked="" type="checkbox"/>	*Fruit: colour of flesh	dark orange	medium orange	light orange
<input type="checkbox"/>	Fruit: texture of flesh	fine	medium	fine
<input checked="" type="checkbox"/>	Fruit: firmness of flesh	firm	soft	firm
<input checked="" type="checkbox"/>	Fruit: ratio weight of fruit/weight of stone	large	large	small
<input type="checkbox"/>	*Fruit: adherence of stone to flesh	absent or very weak	absent or very weak	absent or very weak
<input checked="" type="checkbox"/>	*Stone: shape in lateral view	ovate	circular	oblong
<input type="checkbox"/>	Kernel: bitterness	strong	medium	medium
<input type="checkbox"/>	*Time of: beginning of flowering	medium	medium	medium
<input type="checkbox"/>	*Time of: beginning of fruit ripening	medium	medium	medium
Characteristics Additional to the Descriptor/TG				
Organ/Plant Part: Context		‘River Ruby’	‘Moorpark’	‘Rivergem’
<input checked="" type="checkbox"/>	Fruit: rain cracking susceptibility	slightly susceptible	moderately susceptible	very susceptible

Statistical Table

Organ/Plant Part: Context	'River Ruby'	'Moorpark'	'Rivergem'
<input checked="" type="checkbox"/> Fruit: firmness (kg of force)			
Mean	2.32	1.42	2.55
Std. Deviation	0.40	0.48	0.63
LSD/sig	0.32	P≤0.01	ns
<input type="checkbox"/> Fruit: height (mm)			
Mean	42.97	42.03	34.31
Std. Deviation	3.27	1.84	1.49
LSD/sig	1.46	ns	P≤0.01
<input type="checkbox"/> Fruit: lateral width (mm)			
Mean	46.80	44.51	35.97
Std. Deviation	3.57	1.98	1.47
LSD/sig	1.57	P≤0.01	P≤0.01
<input type="checkbox"/> Fruit: ratio lateral width/ventral width			
Mean	1.08	1.04	1.03
Std. Deviation	0.07	0.03	0.04
LSD/sig	0.03	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Stone: weight (g)			
Mean	2.73	2.43	2.13
Std. Deviation	0.29	0.24	0.18
LSD/sig	0.15	P≤0.01	P≤0.01
<input type="checkbox"/> Fruit: total soluble solids (TSS) content (Brix)			
Mean	16.83	17.15	19.43
Std. Deviation	2.40	1.35	1.73
LSD/sig	1.17	ns	P≤0.01
<input type="checkbox"/> Fruit: ventral width (mm)			
Mean	43.26	42.80	35.06
Std. Deviation	3.34	1.61	1.47
LSD/sig	1.44	ns	P≤0.01
<input type="checkbox"/> Fruit: weight (g)			
Mean	52.87	44.71	26.93
Std. Deviation	9.67	4.98	2.28
LSD/sig	4.02	P≤0.01	P≤0.01
<input type="checkbox"/> Fruit: ratio weight of fruit/weight of stone			
Mean	19.28	18.46	12.68
Std. Deviation	2.24	1.39	0.61
LSD/sig	0.98	ns	P≤0.01

Prior Applications and Sales

Nil.

Description: **Darren Graetz**, SARDI, Adelaide, SA.

Details of Application

Application Number	2002/059
Variety Name	'Hortgem Tahī'
Genus Species	<i>Actinidia arguta</i>
Common Name	Arguta
Synonym	Nil
Accepted Date	15 Jul 2002
Applicant	The Horticulture and Food Research Institute of New Zealand Limited, Havelock North, New Zealand
Agent	A J Park, Canberra, ACT
Qualified Person	Russell Lowe

Details of Comparative Trial

Location	HortResearch, Te Puke Research Centre, 412 No 1 Road, Te Puke, NZ.
Descriptor	Kiwifruit (<i>Actinidia</i>) TG/98/6.
Period	1999-2002.
Conditions	Typical for kiwifruit in the Bay of Plenty region of the North Island, NZ. Block surrounded by casuarina and willow shelter belts. Soils well-drained friable sandy loam, annual rainfall 1700mm. Annual mean temperature is 18.4 deg C in summer and 9.5 deg C in winter.
Trial Design	Single vine, own rooted replicates in randomised plots with appropriate male pollinators. Vines planted in 1999. Rows spaced 4.6m x 3m between plants.
Measurements	As per Characteristic Table for kiwifruit.
RHS Chart - edition	1987.

Origin and Breeding

Controlled pollination: seed parent: AA02_01 x pollen parent: AA13_01. The new variety was developed during the course of a plant breeding program, which was initiated during 1987 at HortResearch in Auckland, New Zealand. The cross was made in November 1987. Seeds were sown in autumn (March) 1988 and 129 seedlings from this cross were planted out in the field at Kumeu Research Orchard in spring (October) 1988. The seedlings first fruited in approximately February to March 1991. Twenty promising female seedlings were clonally propagated into a two-site replicated trial in 1995 and 'Hortgem Tahī' (breeding code K2D4) was selected after storage and sensory evaluation in 1998. Propagation: asexually reproduced as cuttings or by grafting or budding on to seedling or cutting-grown rootstocks of *A. arguta*. Trial plantings as cuttings established in 1995 at Te Puke and Nelson Research Centres and on seedling rootstocks established in 1998 at these sites have shown that the unique combination of characters come true to form and are established and transmitted through succeeding asexual propagation. Breeder(s): Mark McNeilage, Ron A Beatson, Elspeth A MacRae, The Horticulture and Food Research Institute of New Zealand 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
Plant	sex	female
Fruit	size	small/very small
Fruit	hairiness of skin	absent
Fruit	colour of outer pericarp	medium green
Fruit	colour of skin	medium green
Fruit	Time of maturity for harvest	early

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
AA01_01 (Kiwi)	
AA02_01 (Apple)	

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	'Hortgem Tahi'	AA01_01 (Kiwi)	AA02_01 (Apple)
<input type="checkbox"/> *Plant: sex	female	female	female
<input type="checkbox"/> Plant: self fruit setting (hermaphrodite varieties only)	absent		
<input type="checkbox"/> Plant: ploidy	tetraploid	tetraploid	tetraploid
<input checked="" type="checkbox"/> Plant: vigour	strong	medium	weak
<input type="checkbox"/> *Young shoot: hairiness	present	present	present
<input type="checkbox"/> *Young shoot: density of hair	medium	medium	medium
<input type="checkbox"/> Young shoot: type of hairiness	tomentose	tomentose	tomentose
<input checked="" type="checkbox"/> *Young shoot: anthocyanin colouration of growing tip	absent or very weak	medium	absent or very weak
<input type="checkbox"/> Stem: thickness	thin	thin	thin
<input checked="" type="checkbox"/> *Stem: colour of shoot on sunny side	red brown	light brown	red brown
<input type="checkbox"/> Stem: roughness of bark	smooth		
<input type="checkbox"/> Stem: hairiness	absent		
<input type="checkbox"/> *Stem: size of lenticels	small		
<input type="checkbox"/> *Stem: number of lenticels	many	many	many
<input type="checkbox"/> *Stem: colour of lenticels	brownish		
<input type="checkbox"/> Stem: proximal face of bud support	perpendicular		
<input type="checkbox"/> *Stem: size of bud support	medium	large	medium to large
<input type="checkbox"/> Stem: profile of proximal face of bud support (if sloping)	straight		
<input type="checkbox"/> *Stem: presence of bud cover	present		

<input type="checkbox"/>	*Stem: size of hole in bud cover	small		
<input type="checkbox"/>	*Stem: leaf scar	deep	deep	deep
<input type="checkbox"/>	Stem: presence of pith	present		
<input type="checkbox"/>	Stem: type of pith	lamellate		
<input type="checkbox"/>	*Leaf blade: shape	broad ovate	ovate	broad ovate
<input checked="" type="checkbox"/>	*Leaf blade: shape of apex	caudate	acuminate	acuminate
<input type="checkbox"/>	Leaf blade: arrangement of basal lobes	far apart	far apart	far apart
<input type="checkbox"/>	Leaf blade: hair on upper side	absent or very sparse	absent or very sparse	absent or very sparse
<input type="checkbox"/>	Leaf blade: hair on lower side	absent or very sparse	absent or very sparse	absent or very sparse
<input type="checkbox"/>	Leaf blade: puckering/blistering on upper side	absent or very weak	weak	weak
<input type="checkbox"/>	*Leaf blade: green colour of upper side	medium	light to medium	medium
<input type="checkbox"/>	*Leaf blade: colour of lower side	light green	light green	light green
<input type="checkbox"/>	Leaf blade: presence of variegation	absent	absent	absent
<input type="checkbox"/>	Leaf blade: spines along main vein on lower side	present	absent	present
<input checked="" type="checkbox"/>	Leaf: ratio petiole length/blade length	medium	large	large
<input type="checkbox"/>	Petiole: density of hair	absent or very sparse	absent or very sparse	absent or very sparse
<input checked="" type="checkbox"/>	Petiole: anthocyanin colouration of upper side	medium	weak	medium
<input type="checkbox"/>	Flower bud: anthocyanin colouration of protruding petal ends	absent or very weak		
<input checked="" type="checkbox"/>	Inflorescence: predominant number of flowers	1	2-5	2-5
<input type="checkbox"/>	*Flower stalk: length	short		
<input type="checkbox"/>	Flower stalk: density of hair	sparse		
<input type="checkbox"/>	Flower stalk: length of hair	short		
<input type="checkbox"/>	Flower: number of sepals	4 or 5		
<input type="checkbox"/>	*Sepal: general colour	reddish brown		reddish brown
<input type="checkbox"/>	Sepal: density of hair	absent or very sparse		
<input type="checkbox"/>	*Flower: diameter	small	small to medium	medium
<input type="checkbox"/>	*Flower: arrangement of petals	overlapping	overlapping	overlapping
<input type="checkbox"/>	Petal: curvature of apex	absent or very weakly expressed		

<input type="checkbox"/>	*Petal: type of colouration	single-coloured		
<input type="checkbox"/>	*Petal: main colour on adaxial side	greenish white		
<input type="checkbox"/>	*Petal: different shades of colour (single-coloured varieties only)	absent		
<input type="checkbox"/>	Filament: colour	white		
<input type="checkbox"/>	Anther: colour	black	black	black
<input type="checkbox"/>	Styles: number	few	few	few to medium
<input type="checkbox"/>	Styles: colour	white		
<input checked="" type="checkbox"/>	*Styles: attitude	semi-erect	horizontal	horizontal
<input type="checkbox"/>	*Fruit: size	small	very small	very small to small
<input checked="" type="checkbox"/>	*Fruit: general shape	spheroid	oblong	ovoid
<input type="checkbox"/>	*Fruit: shape in cross section	oblate	oblate	oblate
<input type="checkbox"/>	*Fruit: general shape of stylar end	rounded	flat	rounded
<input type="checkbox"/>	Fruit: presence of calyx ring	absent or very weakly expressed	absent or very weakly expressed	weakly expressed
<input type="checkbox"/>	*Fruit: shape of shoulder at stalk end	squared	squared	squared
<input checked="" type="checkbox"/>	Fruit: length of stalk	short	medium to long	very short
<input checked="" type="checkbox"/>	Fruit: ratio stalk length/fruit length	large	large	small
<input type="checkbox"/>	Fruit: persistence of sepals	absent	absent	absent
<input type="checkbox"/>	Fruit: conspicuousness of lenticels on skin	inconspicuousness	inconspicuousness	inconspicuousness
<input type="checkbox"/>	*Fruit: colour of skin	medium green	medium green	medium green
<input type="checkbox"/>	*Fruit: hairiness of skin	absent	absent	absent
<input type="checkbox"/>	*Fruit: colour of skin at maturity for consumption	medium green	medium green	medium green
<input type="checkbox"/>	Fruit: adherence of skin to flesh at maturity for consumption	medium		
<input type="checkbox"/>	*Fruit: colour of outer pericarp	medium green	medium green	medium green
<input type="checkbox"/>	*Fruit: colour of inner pericarp	medium green	medium green	medium green
<input type="checkbox"/>	*Fruit: diameter of core relative to fruit	medium to large	large	large
<input type="checkbox"/>	*Fruit: general shape of core	oblate	oblate	oblate
<input type="checkbox"/>	Fruit: fluting of core	absent	absent	absent
<input type="checkbox"/>	*Fruit: colour of core	greenish white	greenish white	greenish white
<input type="checkbox"/>	Fruit: sweetness	very high	medium	very low
<input type="checkbox"/>	Fruit: acidity	low		

<input checked="" type="checkbox"/>	*Time of: vegetative bud bust	early	late	medium
<input checked="" type="checkbox"/>	*Time of: beginning of flowering	medium	late	medium
<input type="checkbox"/>	*Time of: maturity for harvest	early	early	early

Prior Applications and Sales

Country	Year	Current Status	Name Applied
Chile	2007	Granted	'Hortgem Tahi'
Japan	2002	Applied	'Hortgem Tahi'
New Zealand	2000	Granted	'Hortgem Tahi'
EU	2003	Applied	'Hortgem Tahi'
USA	2001	Granted	'Hortgem Tahi'
South Africa	2005	Applied	'Hortgem Tahi'

First sold in New Zealand in Mar 2001. First Australian sale Mar 2001.

Description: **Phil Martin** and **Mark McNeilage**, The Horticulture and Food Research Institute of New Zealand Limited.

Details of Application

Application Number	2005/024
Variety Name	'Hortgem Toru'
Genus Species	<i>Actinidia arguta</i>
Common Name	Arguta
Synonym	Nil
Accepted Date	3 Mar 2005
Applicant	The Horticulture and Food Research Institute of New Zealand Limited, Havelock North, New Zealand
Agent	A J Park, Canberra, ACT
Qualified Person	Russell Lowe

Details of Comparative Trial

Location	HortResearch, Te Puke Research Centre, 412 No 1 Road, Te Puke, NZ.
Descriptor	Kiwifruit (<i>Actinidia</i>) TG/98/6.
Period	2006-2007.
Conditions	Typical for Kiwifruit in the Bay of Plenty region of the North Island, NZ. Block surrounded by casuarina and willow shelter belts. Soils well-drained friable sandy loam, annual rainfall 1700mm. Annual mean temperature is 18.4 deg C in summer and 9.5 deg C in winter.
Trial Design	Single vine, own root replicates in randomised plots with appropriate male pollinators. Vines planted in 2002. Rows spaced 4.3m x 2.8m between plants.
Measurements	As per Characteristic Table for Kiwifruit.
RHS Chart - edition	1987.

Origin and Breeding

Controlled pollination: seed parent AA01_01 x pollen parent AA04_01. The new variety was developed during the course of a planned plant-breeding program, which was initiated during 1987 at HortResearch in Auckland, New Zealand. The controlled cross was made in November 1987. Seeds were sown in autumn (March) 1988 and 6 seedlings were selected from this cross and were planted out in the field at HortResearch Kumeu Research Orchard in spring (October) 1988. The seedlings first fruited in February-March 1991. Twenty promising female seedlings were clonally propagated into a two-site replicated trial in 1995 and 'Hortgem Toru' (breeding code C3C3) was selected after storage and sensory evaluation in 1998. Propagation: asexually reproduced as cuttings or by grafting or budding on to seedling or cutting-grown rootstocks of *A. arguta*. Trial plantings as cuttings established in 1995 at the HortResearch Te Puke and Nelson Research Centres and on seedling rootstocks established in 1998 at these sites have shown that the unique combination of characters come true to form and are established and transmitted through succeeding asexual propagations. Breeder(s): Mark McNeilage, Ron A Beatson, Elspeth A MacRae, The Horticulture and Food Research Institute of New Zealand 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
Plant	sex	female
Fruit	size	very small/small
Fruit	hairiness of skin	absent
Fruit	shape in cross section	oblate
Fruit	Time of maturity for harvest	very early/early

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
AA01_01(Kiwi)	
AA02_01(Apple)	
'Marju'	

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	'Hortgem Toru'	AA01_01 (Kiwi)	AA02_01 (Apple)	'Marju'
<input type="checkbox"/> *Plant: sex	female	female	female	
<input type="checkbox"/> Plant: ploidy	tetraploid			
<input checked="" type="checkbox"/> Plant: vigour	medium		weak	
<input type="checkbox"/> *Young shoot: hairiness	present			absent
<input checked="" type="checkbox"/> *Young shoot: density of hair	sparse	medium	medium	
<input type="checkbox"/> Young shoot: type of hairiness	tomentose	tomentose	tomentose	
<input checked="" type="checkbox"/> *Young shoot: anthocyanin colouration of growing tip	weak	medium	absent or very weak	strong
<input type="checkbox"/> Stem: thickness	thin			
<input checked="" type="checkbox"/> *Stem: colour of shoot on sunny side	light brown		red brown	
<input type="checkbox"/> Stem: roughness of bark	smooth			
<input type="checkbox"/> Stem: hairiness	absent			
<input type="checkbox"/> *Stem: size of lenticels	small			
<input type="checkbox"/> *Stem: number of lenticels	many			
<input type="checkbox"/> *Stem: colour of lenticels	brownish			
<input type="checkbox"/> Stem: proximal face of bud support	sloping			
<input checked="" type="checkbox"/> *Stem: size of bud support	small	large	medium to large	
<input type="checkbox"/> Stem: profile of proximal face of bud support (if sloping)	convex			
<input type="checkbox"/> *Stem: presence of bud cover	present			

<input type="checkbox"/>	*Stem: size of hole in bud cover	very small to small		
<input type="checkbox"/>	*Stem: leaf scar	deep		
<input type="checkbox"/>	Stem: presence of pith	present		
<input type="checkbox"/>	Stem: type of pith	lamellate		
<input type="checkbox"/>	*Leaf blade: shape	broad ovate	ovate	ovate
<input checked="" type="checkbox"/>	*Leaf blade: shape of apex	caudate	acuminate	acuminate
<input type="checkbox"/>	Leaf blade: arrangement of basal lobes	far apart		
<input type="checkbox"/>	Leaf blade: hair on upper side	absent or very sparse		
<input type="checkbox"/>	Leaf blade: hair on lower side	absent or very sparse		
<input type="checkbox"/>	Leaf blade: puckering/blistering on upper side	weak		
<input type="checkbox"/>	*Leaf blade: green colour of upper side	medium	light to medium	
<input type="checkbox"/>	*Leaf blade: colour of lower side	light green		
<input type="checkbox"/>	Leaf blade: presence of variegation	absent		
<input checked="" type="checkbox"/>	Leaf blade: spines along main vein on lower side	absent		present
<input type="checkbox"/>	Leaf: ratio petiole length/blade length	large to very large	large	large
<input type="checkbox"/>	Petiole: density of hair	absent or very sparse		
<input checked="" type="checkbox"/>	Petiole: anthocyanin colouration of upper side	medium	weak	strong
<input type="checkbox"/>	Flower bud: anthocyanin colouration of protruding petal ends	absent or very weak		
<input type="checkbox"/>	Inflorescence: predominant number of flowers	1		
<input type="checkbox"/>	*Flower stalk: length	short		
<input type="checkbox"/>	Flower stalk: density of hair	absent or very sparse		
<input type="checkbox"/>	Flower stalk: length of hair	short		
<input type="checkbox"/>	*Sepal: general colour	reddish brown		
<input type="checkbox"/>	Sepal: density of hair	absent or very sparse		
<input type="checkbox"/>	*Flower: diameter	small	small to medium	medium
<input type="checkbox"/>	*Flower: arrangement of petals	overlapping		

<input type="checkbox"/>	Petal: curvature of apex	absent or very weakly expressed			
<input type="checkbox"/>	*Petal: type of colouration	single-coloured			
<input type="checkbox"/>	*Petal: main colour on adaxial side	greenish white			
<input type="checkbox"/>	*Petal: different shades of colour (single-coloured varieties only)	absent			
<input type="checkbox"/>	Filament: colour	light green			
<input checked="" type="checkbox"/>	Anther: colour	dark purple	black	black	
<input type="checkbox"/>	Styles: number	few		few to medium	
<input type="checkbox"/>	Styles: colour	white			
<input type="checkbox"/>	*Styles: attitude	horizontal			
<input type="checkbox"/>	*Fruit: size	very small to small	very small	very small to small	
<input type="checkbox"/>	*Fruit: general shape	oblong		ovoid	
<input type="checkbox"/>	*Fruit: shape in cross section	oblate	oblate	oblate	
<input checked="" type="checkbox"/>	*Fruit: general shape of stylar end	slightly pointed protruding	flat	rounded	strongly pointed protruding
<input type="checkbox"/>	Fruit: presence of calyx ring	weakly expressed	absent or very weakly expressed		
<input checked="" type="checkbox"/>	*Fruit: shape of shoulder at stalk end	rounded	squared	squared	
<input type="checkbox"/>	Fruit: length of stalk	short	medium to long	very short	
<input type="checkbox"/>	Fruit: ratio stalk length/fruit length	large		small	
<input type="checkbox"/>	Fruit: persistence of sepals	absent			
<input type="checkbox"/>	Fruit: conspicuousness of lenticels on skin	inconspicuous			
<input type="checkbox"/>	*Fruit: colour of skin	medium green			
<input type="checkbox"/>	*Fruit: hairiness of skin	absent	absent	absent	
<input type="checkbox"/>	*Fruit: colour of skin at maturity for consumption	medium green			reddish green
<input type="checkbox"/>	Fruit: adherence of skin to flesh at maturity for consumption	strong			
<input checked="" type="checkbox"/>	*Fruit: colour of outer pericarp	dark green	medium green	medium green	
<input checked="" type="checkbox"/>	*Fruit: colour of inner pericarp	dark green	medium green	medium green	red purple
<input checked="" type="checkbox"/>	*Fruit: diameter of core relative to	medium	large	large	

fruit

<input type="checkbox"/>	*Fruit: general shape of core	oblate	oblate	oblate
<input type="checkbox"/>	Fruit: fluting of core	absent		
<input type="checkbox"/>	*Fruit: colour of core	greenish white		
<input checked="" type="checkbox"/>	Fruit: sweetness	high	medium	very low
<input type="checkbox"/>	Fruit: acidity	low		
<input checked="" type="checkbox"/>	*Time of: vegetative bud burst	early	late	medium
<input checked="" type="checkbox"/>	*Time of: beginning of flowering	early to medium	late	medium
<input type="checkbox"/>	*Time of: maturity for harvest	very early	early	early

Prior Applications and Sales

Country	Year	Current Status	Name Applied
Chile	2007	Granted	'Hortgem Toru'
Japan	2005	Applied	'Hortgem Toru'
New Zealand	2002	Applied	'Hortgem Toru'
EU	2005	Applied	'Hortgem Toru'
USA	2002	Granted	'Hortgem Toru'
South Africa	2005	Applied	'Hortgem Toru'

First sold in New Zealand in Feb 2001. First Australian sale nil.

Description: **Phil Martin** and **Mark McNeilage**, The Horticulture and Food Research Institute of New Zealand Limited.

Details of Application

Application Number	2005/025
Variety Name	'Hortgem Wha'
Genus Species	<i>Actinidia arguta</i>
Common Name	Arguta
Synonym	Nil
Accepted Date	03 Mar 2005
Applicant	The Horticulture and Food Research Institute of New Zealand Limited
Agent	A J Park, Canberra, ACT
Qualified Person	Russell Lowe

Details of Comparative Trial

Location	HortResearch, Te Puke Research Centre, 412 No 1 Road, Te Puke, NZ.
Descriptor	Kiwifruit (<i>Actinidia</i>) TG/98/6.
Period	2006-2007.
Conditions	Typical for Kiwifruit in the Bay of Plenty region of the North Island, NZ. Block surrounded by casuarina and willow shelter belts. Soils well-drained friable sandy loam, annual rainfall 1700mm. Annual mean temperature is 18.4 deg C in summer and 9.5 deg C in winter.
Trial Design	Single vine, own rooted replicates in randomised plots with appropriate male pollinators. Vines planted in 2002. Rows spaced 4.3m x 2.8m between plants.
Measurements	As per Characteristic Table for Kiwifruit.
RHS Chart - edition	1987.

Origin and Breeding

Controlled pollination: seed parent AA05_01 x pollen parent AA13_01. The new variety was developed during the course of a planned plant-breeding program, which was initiated during 1987 at HortResearch in Auckland, New Zealand. The controlled cross was made in November 1987. Seeds were sown in autumn (March) 1988 and 102 seedlings from this cross were planted out in the field at HortResearch Kumeu Research Orchard in spring (October) 1988. The seedlings first fruited in February-March 1991. Twenty promising female seedlings were clonally propagated into a two-site replicated trial in 1995 and 'Hortgem Wha' (breeding code K2E5) was selected after storage and sensory evaluation in 1998. Propagation: asexually reproduced as cuttings or by grafting or budding on to seedling or cutting-grown rootstocks of *A. arguta*. Trial plantings as cuttings established in 1995 at TePuke and Nelson Research Centres and on seedling rootstocks established in 1998 at these sites have shown that the unique combination of characters come true to form and are established and transmitted through succeeding asexual propagations Breeder(s): Mark McNeilage, Ron A Beatson, Elspeth A MacRae, The Horticulture and Food Research Institute of New Zealand 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
Fruit	skin colour	medium green
Plant	sex	female
Fruit	size	very small/small
Fruit	hairiness of skin	absent
Fruit	shape in cross section	oblate
Fruit	Time of maturity for harvest	very early/early

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
AA01_01 (Kiwi)	
‘Marju’	
AA02_01 (Apple)	

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	‘Hortgem Wha’	AA01_01 (Kiwi)	AA02_01 (Apple)	‘Marju’
<input type="checkbox"/> *Plant: sex	female	female	female	
<input type="checkbox"/> Plant: self fruit setting (hermaphrodite varieties only)	absent			
<input type="checkbox"/> Plant: ploidy	tetraploid	tetraploid	tetraploid	
<input checked="" type="checkbox"/> Plant: vigour	medium	medium	weak	
<input checked="" type="checkbox"/> *Young shoot: hairiness	present	present	present	absent
<input checked="" type="checkbox"/> *Young shoot: density of hair	sparse	medium	medium	
<input type="checkbox"/> Young shoot: type of hairiness	tomentose	tomentose	tomentose	
<input checked="" type="checkbox"/> *Young shoot: anthocyanin colouration of growing tip	medium	medium	absent or very weak	strong
<input type="checkbox"/> Stem: thickness	thin	thin	thin	
<input checked="" type="checkbox"/> *Stem: colour of shoot on sunny side	red brown	light brown	red brown	
<input type="checkbox"/> Stem: roughness of bark	smooth			
<input type="checkbox"/> Stem: hairiness	absent			
<input type="checkbox"/> *Stem: size of lenticels	small			
<input type="checkbox"/> *Stem: number of lenticels	many	many	many	
<input type="checkbox"/> *Stem: colour of lenticels	brownish			
<input type="checkbox"/> Stem: proximal face of bud support	sloping			
<input checked="" type="checkbox"/> *Stem: size of bud support	small	large	medium to	

				large
<input type="checkbox"/>	Stem: profile of proximal face of bud support (if sloping)	convex		
<input type="checkbox"/>	*Stem: presence of bud cover	present		
<input type="checkbox"/>	*Stem: size of hole in bud cover	very small to small		
<input type="checkbox"/>	*Stem: leaf scar	deep	deep	deep
<input type="checkbox"/>	Stem: presence of pith	present		
<input type="checkbox"/>	Stem: type of pith	lamellate		
<input type="checkbox"/>	*Leaf blade: shape	ovate	ovate	broad ovate ovate
<input checked="" type="checkbox"/>	*Leaf blade: shape of apex	caudate	acuminate	acuminate
<input type="checkbox"/>	Leaf blade: arrangement of basal lobes	far apart	far apart	far apart
<input type="checkbox"/>	Leaf blade: hair on upper side	absent or very sparse	absent or very sparse	absent or very sparse
<input type="checkbox"/>	Leaf blade: hair on lower side	absent or very sparse	absent or very sparse	absent or very sparse
<input type="checkbox"/>	Leaf blade: puckering/blistering on upper side	absent or very weak	weak	weak
<input type="checkbox"/>	*Leaf blade: green colour of upper side	medium	light to medium	medium
<input type="checkbox"/>	*Leaf blade: colour of lower side	light green	light green	light green
<input type="checkbox"/>	Leaf blade: presence of variegation	absent	absent	absent
<input type="checkbox"/>	Leaf blade: spines along main vein on lower side	absent	absent	present
<input type="checkbox"/>	Leaf: ratio petiole length/blade length	large to very large	large	large
<input type="checkbox"/>	Petiole: density of hair	absent or very sparse	absent or very sparse	absent or very sparse
<input checked="" type="checkbox"/>	Petiole: anthocyanin colouration of upper side	medium	weak	medium strong
<input type="checkbox"/>	Flower bud: anthocyanin colouration of protruding petal ends	absent or very weak		
<input type="checkbox"/>	Inflorescence: predominant number of flowers	1	2-5	2-5
<input type="checkbox"/>	*Flower stalk: length	short		
<input type="checkbox"/>	Flower stalk: density of hair	sparse		
<input type="checkbox"/>	Flower stalk: length of hair	short		
<input type="checkbox"/>	Flower: number of sepals	> 5		

<input type="checkbox"/>	*Sepal: general colour	reddish brown		reddish brown
<input type="checkbox"/>	Sepal: density of hair	absent or very sparse		
<input type="checkbox"/>	*Flower: diameter	medium	small to medium	medium
<input type="checkbox"/>	*Flower: arrangement of petals	overlapping	overlapping	overlapping
<input type="checkbox"/>	Petal: curvature of apex	absent or very weakly expressed		
<input type="checkbox"/>	*Petal: type of colouration	single-coloured		
<input type="checkbox"/>	*Petal: main colour on adaxial side	greenish white		
<input type="checkbox"/>	*Petal: different shades of colour (single-coloured varieties only)	absent		
<input type="checkbox"/>	Filament: colour	white		
<input checked="" type="checkbox"/>	Anther: colour	dark purple	black	black
<input type="checkbox"/>	Styles: number	few to medium	few	few to medium
<input type="checkbox"/>	Styles: colour	white		
<input type="checkbox"/>	*Styles: attitude	both erect and horizontal	horizontal	horizontal
<input type="checkbox"/>	*Fruit: size	very small to small	very small	very small to small
<input checked="" type="checkbox"/>	*Fruit: general shape	oblong	oblong	ovoid
<input type="checkbox"/>	*Fruit: shape in cross section	oblate	oblate	oblate
<input checked="" type="checkbox"/>	*Fruit: general shape of stylar end	slightly pointed protruding	flat	rounded strongly pointed protruding
<input type="checkbox"/>	Fruit: presence of calyx ring	absent or very weakly expressed	absent or very weakly expressed	weakly expressed
<input checked="" type="checkbox"/>	*Fruit: shape of shoulder at stalk end	rounded	squared	squared
<input checked="" type="checkbox"/>	Fruit: length of stalk	short	medium to long	very short
<input checked="" type="checkbox"/>	Fruit: ratio stalk length/fruit length	medium	large	small
<input type="checkbox"/>	Fruit: persistence of sepals	absent	absent	absent
<input type="checkbox"/>	Fruit: conspicuousness of lenticels on skin	inconspicuous	inconspicuous	inconspicuous
<input type="checkbox"/>	*Fruit: colour of skin	medium green	medium green	medium green
<input type="checkbox"/>	*Fruit: hairiness of skin	absent	absent	absent
<input checked="" type="checkbox"/>	*Fruit: colour of skin at maturity for	medium green	medium green	medium green reddish green

consumption

<input type="checkbox"/>	Fruit: adherence of skin to flesh at maturity for consumption	strong		
<input type="checkbox"/>	*Fruit: colour of outer pericarp	medium green	medium green	medium green
<input checked="" type="checkbox"/>	*Fruit: colour of inner pericarp	medium green	medium green	medium green red purple
<input type="checkbox"/>	*Fruit: diameter of core relative to fruit	large	large	large
<input checked="" type="checkbox"/>	*Fruit: general shape of core	transverse elliptic	oblate	oblate
<input type="checkbox"/>	Fruit: fluting of core	absent	absent	absent
<input type="checkbox"/>	*Fruit: colour of core	greenish white	greenish white	greenish white
<input checked="" type="checkbox"/>	Fruit: sweetness	high	medium	very low
<input type="checkbox"/>	Fruit: acidity	low		
<input checked="" type="checkbox"/>	*Time of: vegetative bud bust	early	late	medium
<input checked="" type="checkbox"/>	*Time of: beginning of flowering	early to medium	late	medium
<input type="checkbox"/>	*Time of: maturity for harvest	very early to early	early	early

Prior Applications and Sales

Country	Year	Current Status	Name Applied
Japan	2005	Applied	'Hortgem Wha'
New Zealand	2002	Applied	'Hortgem Wha'
EU	2005	Applied	'Hortgem Wha'
USA	2002	Granted	'Hortgem Wha'
South Africa	2005	Applied	'Hortgem Wha'

First sold in New Zealand in Apr 2001. First Australian sale nil.

Description: **Phil Martin** and **Mark McNeilage**, The Horticulture and Food Research Institute of New Zealand Limited.

Details of Application

Application Number	2005/023
Variety Name	'Hortgem Rua'
Genus Species	<i>Actinidia arguta</i>
Common Name	Arguta
Synonym	Nil
Accepted Date	22 Apr 2005
Applicant	The Horticulture and Food Research Institute of New Zealand Limited, Havelock North, New Zealand
Agent	A J Park, Canberra, ACT
Qualified Person	Russell Lowe

Details of Comparative Trial

Location	HortResearch, Te Puke Research Centre, 412 No 1 Road, Te Puke, NZ
Descriptor	Kiwifruit (<i>Actinidia</i>) TG/98/6.
Period	2006-2007
Conditions	Typical for Kiwifruit in the Bay of Plenty region of the North Island, NZ. Block surrounded by casuarina and willow shelter belts. Soils well-drained friable sandy loam, annual rainfall 1700mm. Annual mean temperature is 18.4 deg C in summer and 9.5 deg C in winter.
Trial Design	Single vine, own rooted replicates in randomised plots with appropriate male pollinators. Vines planted in 2002. Rows spaced 4.3m x 2.8m between plants.
Measurements	As per Characteristic Table for Kiwifruit.
RHS Chart - edition	1987.

Origin and Breeding

Controlled pollination: seed parent AAME01_01 x pollen parent AAME01_05. The new variety was developed during the course of a planned plant-breeding program, which was initiated during 1987 at HortResearch in Auckland, New Zealand. The controlled cross was made in November 1987. Seeds were sown in autumn (March) 1988 and seedlings were selected from this cross and were planted out in the field at HortResearch Kumeu Research Orchard in spring (October) 1988. The seedlings first fruited in February-March 1991. Promising female seedlings were clonally propagated into a two-site replicated trial in 1995 and 'Hortgem Rua' (breeding code E4I6) was selected after storage and sensory evaluation in 1998. Propagation: asexually reproduced as cuttings or by grafting or budding on to seedling or cutting-grown rootstocks of *A. arguta*. Trial plantings as cuttings established in 1995 at the HortResearch Te Puke and Nelson Research Centres and on seedling rootstocks established in 1998 at these sites have shown that the unique combination of characters come true to form and are established and transmitted through succeeding asexual propagations. Breeder(s): Mark McNeilage, Ron A Beatson, Elspeth A MacRae, The Horticulture and Food Research Institute of New Zealand 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
Plant	sex	female
Fruit	size	very small/small
Fruit	hairiness of skin	absent
Fruit	colour of outer pericarp	medium green
Fruit	shape in cross section	oblate
Fruit	Time of maturity for harvest	very early/early

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
AA01_01 (Kiwi)	
AA02_01 (Apple)	
'Marju'	

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	'Hortgem Rua'	AA01_01 (Kiwi)	AA02_01 (Apple)	'Marju'
<input type="checkbox"/> *Plant: sex	female	female	female	
<input type="checkbox"/> Plant: ploidy	tetraploid	tetraploid	tetraploid	
<input checked="" type="checkbox"/> Plant: vigour	medium	medium	weak	
<input checked="" type="checkbox"/> *Young shoot: hairiness	absent	present	present	absent
<input checked="" type="checkbox"/> *Young shoot: density of hair	sparse	medium	medium	
<input type="checkbox"/> Young shoot: type of hairiness	tomentose	tomentose	tomentose	
<input checked="" type="checkbox"/> *Young shoot: anthocyanin colouration of growing tip	strong to very strong	medium	absent or very weak	strong
<input type="checkbox"/> Stem: thickness	thin	thin	thin	
<input checked="" type="checkbox"/> *Stem: colour of shoot on sunny side	red brown	light brown	red brown	
<input type="checkbox"/> Stem: roughness of bark	smooth			
<input type="checkbox"/> Stem: hairiness	absent			
<input type="checkbox"/> *Stem: size of lenticels	small			
<input type="checkbox"/> *Stem: number of lenticels	many	many	many	
<input type="checkbox"/> *Stem: colour of lenticels	brownish			
<input type="checkbox"/> Stem: proximal face of bud support	perpendicular			
<input checked="" type="checkbox"/> *Stem: size of bud support	very small to small	large	medium to large	
<input type="checkbox"/> Stem: profile of proximal face of bud support (if sloping)	convex			

<input type="checkbox"/>	*Stem: presence of bud cover	present			
<input type="checkbox"/>	*Stem: size of hole in bud cover	very small to small			
<input type="checkbox"/>	*Stem: leaf scar	deep	deep	deep	
<input type="checkbox"/>	Stem: presence of pith	present			
<input type="checkbox"/>	Stem: type of pith	lamellate			
<input type="checkbox"/>	*Leaf blade: shape	ovate	ovate	broad ovate	ovate
<input type="checkbox"/>	*Leaf blade: shape of apex	acuminate	acuminate	acuminate	
<input type="checkbox"/>	Leaf blade: arrangement of basal lobes	far apart	far apart	far apart	
<input type="checkbox"/>	Leaf blade: hair on upper side	absent or very sparse	absent or very sparse	absent or very sparse	
<input type="checkbox"/>	Leaf blade: hair on lower side	absent or very sparse	absent or very sparse	absent or very sparse	
<input type="checkbox"/>	Leaf blade: puckering/blistering on upper side	absent or very weak	weak	weak	
<input type="checkbox"/>	*Leaf blade: green colour of upper side	medium to dark	light to medium	medium	
<input type="checkbox"/>	*Leaf blade: colour of lower side	light green	light green	light green	
<input type="checkbox"/>	Leaf blade: presence of variegation	absent	absent	absent	
<input checked="" type="checkbox"/>	Leaf blade: spines along main vein on lower side	absent	absent	present	
<input type="checkbox"/>	Leaf: ratio petiole length/blade length	medium to large	large	large	
<input type="checkbox"/>	Petiole: density of hair	absent or very sparse	absent or very sparse	absent or very sparse	
<input checked="" type="checkbox"/>	Petiole: anthocyanin colouration of upper side	strong	weak	medium	strong
<input type="checkbox"/>	Flower bud: anthocyanin colouration of protruding petal ends	weak			
<input checked="" type="checkbox"/>	Inflorescence: predominant number of flowers	1	2-5	2-5	
<input type="checkbox"/>	*Flower stalk: length	short to medium			
<input type="checkbox"/>	Flower stalk: density of hair	sparse			
<input type="checkbox"/>	Flower stalk: length of hair	very short to short			
<input type="checkbox"/>	Flower: number of sepals	4 or 5			
<input type="checkbox"/>	*Sepal: general colour	reddish brown		reddish brown	
<input type="checkbox"/>	Sepal: density of hair	absent or very sparse			

<input type="checkbox"/>	*Flower: diameter	medium	small to medium	medium
<input checked="" type="checkbox"/>	*Flower: arrangement of petals	touching	overlapping	overlapping
<input type="checkbox"/>	Petal: curvature of apex	absent or very weakly expressed		
<input type="checkbox"/>	*Petal: type of colouration	single-coloured		
<input type="checkbox"/>	*Petal: main colour on adaxial side	greenish white		
<input type="checkbox"/>	*Petal: different shades of colour (single-coloured varieties only)	absent		
<input type="checkbox"/>	Filament: colour	white		
<input type="checkbox"/>	Anther: colour	black	black	black
<input type="checkbox"/>	Styles: number	few	few	few to medium
<input type="checkbox"/>	Styles: colour	white		
<input type="checkbox"/>	*Styles: attitude	both erect and horizontal	horizontal	horizontal
<input type="checkbox"/>	*Fruit: size	very small to small	very small	very small to small
<input checked="" type="checkbox"/>	*Fruit: general shape	ovoid	oblong	ovoid
<input type="checkbox"/>	*Fruit: shape in cross section	oblate	oblate	oblate
<input checked="" type="checkbox"/>	*Fruit: general shape of stylar end	slightly pointed protruding	flat	rounded strongly pointed protruding
<input type="checkbox"/>	Fruit: presence of calyx ring	weakly expressed	absent or very weakly expressed	weakly expressed
<input checked="" type="checkbox"/>	*Fruit: shape of shoulder at stalk end	rounded	squared	squared
<input checked="" type="checkbox"/>	Fruit: length of stalk	short	medium to long	very short
<input checked="" type="checkbox"/>	Fruit: ratio stalk length/fruit length	small	large	small
<input type="checkbox"/>	Fruit: persistence of sepals	absent	absent	absent
<input type="checkbox"/>	Fruit: conspicuousness of lenticels on skin	inconspicuousness	inconspicuousness	inconspicuousness
<input checked="" type="checkbox"/>	*Fruit: colour of skin	light green	medium green	medium green
<input type="checkbox"/>	*Fruit: hairiness of skin	absent	absent	absent
<input checked="" type="checkbox"/>	*Fruit: colour of skin at maturity for consumption	reddish green	medium green	medium green reddish green
<input type="checkbox"/>	Fruit: adherence of skin to flesh at maturity for consumption	strong		

<input type="checkbox"/>	*Fruit: colour of outer pericarp	medium green	medium green	medium green
<input checked="" type="checkbox"/>	*Fruit: colour of inner pericarp	red	medium green	medium green red purple
<input type="checkbox"/>	*Fruit: diameter of core relative to fruit	medium to large	large	large
<input type="checkbox"/>	*Fruit: general shape of core	oblate	oblate	oblate
<input type="checkbox"/>	Fruit: fluting of core	absent	absent	absent
<input type="checkbox"/>	*Fruit: colour of core	greenish white	greenish white	greenish white
<input checked="" type="checkbox"/>	Fruit: sweetness	medium to high	medium	very low
<input type="checkbox"/>	Fruit: acidity	medium to high		
<input type="checkbox"/>	*Time of: vegetative bud bust	very early to early	late	medium
<input type="checkbox"/>	*Time of: beginning of flowering	early to medium	late	medium
<input type="checkbox"/>	*Time of: maturity for harvest	very early to early	early	early

Prior Applications and Sales

Country	Year	Current Status	Name Applied
Chile	2007	Granted	'Hortgem Rua'
Japan	2005	Applied	'Hortgem Rua'
New Zealand	2002	Applied	'Hortgem Rua'
EU	2005	Applied	'Hortgem Rua'
USA	2002	Granted	'Hortgem Rua'
South Africa	2005	Applied	'Hortgem Rua'

First sold in New Zealand in Feb 2001. First Australian sale Mar 2004.

Description: **Phil Martin** and **Mark McNeilage**, The Horticulture and Food Research Institute of New Zealand Limited.

Details of Application

Application Number	2006/009
Variety Name	'Minitastic'
Genus Species	<i>Rhododendron</i> hybrid
Common Name	Azalea
Synonym	Nil
Accepted Date	24 Mar 2006
Applicant	Redlands Nursery Pty Ltd, Redland Bay, QLD
Agent	Aussie Winners Pty Ltd, Redland Bay, QLD
Qualified Person	Deo Singh

Details of Comparative Trial

Location	Aussie Winners Pty Ltd, 191 Gordon Rd, Redland Bay, QLD 4165.
Descriptor	Pot Azalea (new) (<i>Rhododendron simsii</i>) TG/140/4.
Period	2006 to 2008.
Conditions	Twenty plants of each were grown on a randomised block design in full sun. Plants were potted into progressively larger pots as they grew bigger. All standard agronomical nursery practices were observed.
Trial Design	Randomised complete block design.
Measurements	Measurements were made from five advanced pots.
RHS Chart - edition	2000.

Origin and Breeding

Spontaneous mutation: In 1999, a branch of Azalea 'Plumtastic' was found to have smaller leaves and denser habit. Cuttings have been taken since year 2000; in at least last six generations, no off types were seen. Selection criteria: smaller leaf size, denser growth. Breeder: John Robert Bunker, Redlands Bay, 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	growth habit	upright
Young leaf	colour of upper side	red-green
Mature leaf	colour of upper side	dark green
Leaf	shape	elliptic

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Plumtastic'	Parental type is taller version of candidate.

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	'Minitastic'	'Plumtastic'
<input type="checkbox"/> Plant: growth habit	upright	upright
<input type="checkbox"/> Young leaf: colour of upper side	red green	red green
<input checked="" type="checkbox"/> *Mature leaf: length	short	medium
<input type="checkbox"/> *Mature leaf: width	narrow to medium	medium
<input type="checkbox"/> *Mature leaf: shape	elliptic	elliptic
<input type="checkbox"/> *Mature leaf: colour of upper side	dark green	dark green
<input type="checkbox"/> *Mature leaf: colour of lower side	medium green	light green
<input checked="" type="checkbox"/> Mature leaf: hairiness of upper side	medium	strong

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Minitastic'	'Plumtastic'
<input checked="" type="checkbox"/> Plant: density	dense	medium
<input checked="" type="checkbox"/> Water-shoots: presence	absent	present

Statistical Table

Organ/Plant Part: Context	'Minitastic'	'Plumtastic'
<input checked="" type="checkbox"/> Mature leaf: length (mm)		
Mean	39.67	50.24
Std. Deviation	3.00	3.64
LSD/sig	3.81	P≤0.01
<input type="checkbox"/> Mature leaf: width (mm)		
Mean	18.02	19.95
Std. Deviation	2.81	3.79
LSD/sig	3.81	ns

Prior Applications and Sales

Nil.

Description: **Deo Singh**, Ormiston, QLD.

Details of Application

Application Number	2008/265
Variety Name	'Shepherd'
Genus Species	<i>Hordeum vulgare</i>
Common Name	Barley
Synonym	Nil
Accepted Date	17 Nov 2008
Applicant	The University of Western Australia, Grains Research & Development Corporation
Agent	State of Queensland through its Department of Primary Industries & Fisheries
Qualified Person	Tony Done

Details of Comparative Trial

Location	Leslie Research Centre, Toowoomba, QLD 4350.
Descriptor	Barley (<i>Hordeum vulgare</i>) TG/19/10.
Period	Jul-Nov 2008.
Conditions	Well fertilised irrigated soil beds.
Trial Design	Randomised block in 6 replications. Each plot consisted of a single 2m row with approximately 90 plants. Row spacing was 75cm.
Measurements	Metric characters, except plant height, were measured on five individuals from each plot. Plant height was measured as total height at two positions in each plot. Standard deviation (SD) was the average of the SDs for individual scores within each plot. Statistical analysis for significance tests was done on the plot mean.

RHS Chart - edition**Origin and Breeding**

Controlled pollination: 'Cheri' was crossed to 'Baronesse', the parents being selected for adaptation to Western Australia, good malting quality, and having moderate levels of leaf disease resistance. The F₁s were bulked, and lines from the cross were developed by selection and selfing. Several F₄ lines were distributed to the Australian breeding programs, as part of a nursery released from the UWA/GRDC germplasm introduction and evaluation project. Lines from this nursery were first grown by the DPI&F as part of the GRDC funded Northern Barley Improvement Program in 2000. The line was subsequently evaluated in barley yield trials throughout QLD and northern NSW. The initial tests occurred in Stage 2 trials in 2001 and 2002, with several lines from the cross progressing to Stage 3 trials in 2003. The line identified as 'NRB03470' was identified as having commercial potential based on yield across test sites, disease resistance profile, and malt quality evaluations. Feed quality for specific classes of livestock was estimated using data from 2007 trials. 'NRB03470' was renamed 'Shepherd' in 2008. 'Shepherd' is distinct from 'Baronesse' in having a greater awn length to ear length ratio than 'Baronesse', and from 'Cheri' in having rudimentary lateral spikelets, while those of 'Cheri' are small and sterile. Breeders: Ms Christina Grime, University of Western Australia, Dr David Poulsen and Dr Jerome Franckowiak, State of Queensland through its Department of Primary Industries & Fisheries.

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
Lower leaves	hairiness of leaf sheaths	absent
Awns	anthocyanin colouration of tips	present
Ear	number of rows	two
Grain	rachilla hair type	long
Seasonal type		spring

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Baronesse'	Female parent of 'Shepherd'.
'Cheri'	Pollen parent of 'Shepherd'.
'Grout'	Similar agro-ecological range to 'Shepherd'.

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	'Shepherd'	'Baronesse'	'Cheri'	'Grout'
<input checked="" type="checkbox"/> *Plant: growth habit	semi-erect	semi-erect	intermediate to semi-prostrate	semi-erect
<input type="checkbox"/> *Lowest leaves: hairiness of leaf sheaths	absent	absent	absent	absent
<input type="checkbox"/> *Flag leaf: anthocyanin colouration of auricles	present	present	present	present
<input checked="" type="checkbox"/> *Flag leaf: intensity of anthocyanin colouration of auricles	strong	strong	very weak to weak	strong
<input type="checkbox"/> Plant: frequency of plants with recurved flag leaves	high	high	high	high
<input type="checkbox"/> Flag leaf: glaucosity of sheath	strong	strong	strong	strong
<input checked="" type="checkbox"/> *Time of: ear emergence	medium	medium	medium	early
<input type="checkbox"/> *Awns: anthocyanin colouration of tips	present	present	present	present
<input type="checkbox"/> *Awns: intensity of anthocyanin colouration of tips	weak	weak	weak	weak
<input type="checkbox"/> *Ear: glaucosity	strong	strong	weak	strong
<input type="checkbox"/> Ear: attitude	semi-erect	semi-erect	semi-erect	horizontal
<input checked="" type="checkbox"/> *Plant: length	medium	medium	short	short
<input type="checkbox"/> *Ear: number of rows	two	two	two	two
<input type="checkbox"/> *Ear: density	medium	medium	medium	medium
<input type="checkbox"/> Ear: length	medium	medium	medium	medium
<input type="checkbox"/> *Awn: length	long	long	long	long

<input type="checkbox"/>	Rachis: length of first segment	short	short	short	short
<input type="checkbox"/>	Rachis: curvature of first segment	weak	weak	weak	weak
<input type="checkbox"/>	*Sterile spikelet: attitude	parallel	parallel	divergent	divergent
<input type="checkbox"/>	Median spikelet: length of glume and its awn relative to grain	equal	equal	equal	equal
<input type="checkbox"/>	*Grain: rachilla hair type	long	long	long	long
<input type="checkbox"/>	*Grain: husk	present	present	present	present
<input type="checkbox"/>	*Grain: hairiness of ventral furrow	absent	absent	mixed	absent
<input type="checkbox"/>	Grain: disposition of lodicules	clasping	clasping	clasping	clasping
<input type="checkbox"/>	*Season: type	spring type	spring type	spring type	spring type

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	‘Shepherd’	‘Baronesse’	‘Cheri’	‘Grout’
<input checked="" type="checkbox"/> Ear: lateral spikelets	rudimentary	rudimentary	small and sterile	small and sterile

Statistical Table

Organ/Plant Part: Context	‘Shepherd’	‘Baronesse’	‘Cheri’	‘Grout’
<input checked="" type="checkbox"/> Plant: height (cm)				
Mean	110	110	99	103
Std. Deviation	1.2	2.3	1.2	1.8
LSD/sig	4.8	ns	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Ear: length (mm)				
Mean	93.5	98.2	91.5	87.8
Std. Deviation	4.2	5.9	4.3	5.3
LSD/sig	4.5	P≤0.01	ns	P≤0.01
<input checked="" type="checkbox"/> Awn: length at ear tip (mm)				
Mean	143.9	133.3	116.6	124.9
Std. Deviation	6.1	7.7	7.3	4.7
LSD/sig	10.2	P≤0.01	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Ear: ratio of awn length to ear length				
Mean	1.54	1.36	1.28	1.43
Std. Deviation	0.06	0.10	0.10	0.10
LSD/sig	0.14	P≤0.01	P≤0.01	ns

Prior Applications and Sales

Nil.

Description: **Dr. Tony Done**, Leslie Research Centre, Toowoomba, QLD.

Details of Application

Application Number	2008/068
Variety Name	'Goddess'
Genus Species	<i>Dianella caerulea</i>
Common Name	Blue Flax-Lily
Synonym	Nil
Accepted Date	2 Dec 2008
Applicant	F D & O B Hockings, Maleny, QLD
Agent	Austraflo Pty Ltd, Yarra Glen, VIC
Qualified Person	David Hockings.

Details of Comparative Trial

Location	Maleny, QLD.
Descriptor	Dianella (<i>Dianella</i>) PBR DIAN.
Period	2008/2009.
Conditions	Open field conditions. Plants propagated from division of rhizomes.
Trial Design	10 plants of each variety planted out at 1 metre spacing in replicated randomised block design.
Measurements	Measurements made from plant parts on each plant.
RHS Chart - edition	1986.

Origin and Breeding

Seedling selection: selected from seedlings raised from seed taken from a collection of north QLD *Dianella* species at Hockings property at Maleny in the early 1990s. About 200 of these seedlings were planted around the property and later when the distinct form became obvious, three were selected and propagated by division and planted in part rows. Two of these selected seedlings (Variety # 1 and Variety #2) proved to be excellent for cut foliage and foliage has been exported as well as sold in the domestic market. The third seedling (Variety #3), has taller stems and tighter erect leaves and not considered suitable for cut foliage. It has been selected for landscape use. The selection has been propagated by tissue culture. Breeder: F D Hockings, Maleny, 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	growth habit	erect
Stem	length of internodes	medium to long
Leaf	attitude	erect to semi-erect
Leaf	arching	weak to medium
Leaf	width	wide
Leaf	glaucoity of upper side	absent or very weak
Leaf	variegation	absent

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
Variety #2	A seedling from the same batch of seedlings as 'Goddess'.

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	'Goddess'	Variety #2
<input type="checkbox"/> Plant: growth habit	erect	erect
<input checked="" type="checkbox"/> Plant: height	very tall	tall
<input type="checkbox"/> Plant: density of shoots	dense	dense to very dense
<input type="checkbox"/> Stem: length of internodes	medium to long	medium to long
<input type="checkbox"/> Leaf: attitude	erect to semi-erect	erect to semi-erect
<input type="checkbox"/> Leaf: arching	weak to medium	weak to medium
<input type="checkbox"/> Leaf: width	wide	wide
<input type="checkbox"/> Leaf: glaucosity of upper side	absent or very weak	absent or very weak
<input checked="" type="checkbox"/> Leaf: colour of upper side (waxiness removed) (RHS colour chart)	147A	137A
<input type="checkbox"/> Leaf: colour of lower side (waxiness removed) (RHS colour chart)	147B	147B
<input type="checkbox"/> Leaf: variegation	absent	absent
<input type="checkbox"/> Leaf: secondary colour of upper side (variegated leaves only) (RHS colour chart)	N/A	N/A
<input type="checkbox"/> Leaf: shape of blade	linear	linear
<input type="checkbox"/> Leaf: shape of apex	acuminate	acuminate
<input type="checkbox"/> Leaf: cross-section	concave	concave
<input type="checkbox"/> Leaf: spines on margin	present	present
<input type="checkbox"/> Leaf: prominence of spines on margin	medium	medium
<input type="checkbox"/> Leaf: colour of margin (in winter)	green	green
<input type="checkbox"/> Leaf: spines on lower side of midrib	present	present
<input type="checkbox"/> Leaf: prominence of spines on lower side of midrib	medium	medium
<input type="checkbox"/> Basal leaf sheath: anthocyanin colouration (in summer)	red-purple	red-purple
<input type="checkbox"/> Basal leaf sheath: intensity of anthocyanin colouration	very weak	very weak
<input type="checkbox"/> Inflorescence: height in relation to foliage	above	above
<input type="checkbox"/> Flower: colour of perianth (RHS colour chart)	96C	96B
<input checked="" type="checkbox"/> Flower: colour of anther (RHS colour chart)	199D	199A
<input type="checkbox"/> Fruit: colour of immature fruit (RHS colour chart)	144A	144A
<input type="checkbox"/> Fruit: colour of mature fruit (RHS colour chart)	89A	89A
<input type="checkbox"/> Seed: colour	black	black

Statistical Table

Organ/Plant Part: Context	'Goddess'	Variety #2
<input checked="" type="checkbox"/> Stem: length (excluding inflorescence) (mm)		
Mean	1402	858
Std. Deviation	133.4	80.3
LSD/sig	141.7	P≤0.01
<input checked="" type="checkbox"/> Number of leaves per plant		
Mean	25.4	18.7
Std. Deviation	2.27	2.36
LSD/sig	2.98	P≤0.01
<input checked="" type="checkbox"/> Leaf angle to stem (Lower leaves) (degrees)		
Mean	79.8	66.9
Std. Deviation	3.46	5.61
LSD/sig	6.0	P≤0.01
<input type="checkbox"/> Leaf length (mm)		
Mean	286.5	270.5
Std. Deviation	70.5	59.6
LSD/sig	28.29	ns
<input checked="" type="checkbox"/> Leaf width (mm)		
Mean	23.2	33.1
Std. Deviation	2.97	4.06
LSD/sig	1.71	P≤0.01
<input checked="" type="checkbox"/> Angle of lower leaf sheaths to stems (degrees)		
Mean	84.3	82.5
Std. Deviation	1.06	0.71
LSD/sig	1.16	P≤0.01
<input checked="" type="checkbox"/> Leaf sheath: length (mm)		
Mean	153.9	133.0
Std. Deviation	14.43	15.61
LSD/sig	9.09	P≤0.01
<input checked="" type="checkbox"/> Angle of leaf blade fold (degrees)		
Mean	147.3	123.7
Std. Deviation	24.49	27.48
LSD/sig	16.15	P≤0.01
<input type="checkbox"/> Inflorescence: length (mm)		
Mean	825	882
Std. Deviation	98.3	49.3
LSD/sig	100.1	ns
<input checked="" type="checkbox"/> Inflorescence: number of nodes		
Mean	12.7	15.1
Std. Deviation	2.41	1.37
LSD/sig	2.52	P≤0.01

Prior Applications and Sales

Prior application nil. First sold in Australia on 4th May 2007.

Description: F D Hockings, Maleny, QLD.

Details of Application

Application Number	2008/060
Variety Name	'Kaleidoscope'
Genus Species	<i>Abelia x grandiflora</i>
Common Name	Bush Lemons
Synonym	Nil
Accepted Date	26 Mar 2008
Applicant	Panoramic Farms, Marshville, NC, USA
Agent	Plants Management Australia Pty Ltd, Dodges Ferry, TAS
Qualified Person	Steve Eggleton

Details of Comparative Trial

Location	Wonga Park, VIC.
Descriptor	General Descriptor (for plant varieties with no descriptor available) PBR GEN-DES.
Period	Jun 2008 to Dec 2008
Conditions	Trial conducted in the open, plants propagated and grown in 50mm tubes during Apr to Jul 2008. In Aug the tubes were potted and grown on in 140mm containers. Containers filled with soilless, pinebark based mix with controlled release fertilizers. Appropriate pest and disease treatments were applied as required.
Trial Design	Twelve pots of each variety in a completely randomised design.
Measurements	From ten plants randomly selected.
RHS Chart - edition	1995.

Origin and Breeding

Spontaneous mutation: occurred on Panoramic Farms, 3110 Tarlton Mill Road, USA in 1997 on a single branch of a plant grown within a crop of *Abelia* 'Little Richard'. This plant was initially isolated and allowed to grow further before the mutation was then propagated via cuttings to establish trial plants. The mutation was isolated for its colourful variegated foliage. When the trial plants had matured the plant was finally selected for with the following selection criteria: Leaf: variegation present, Plant: habit bushy and Plant: density dense. Propagation: via cuttings. This initial and numerous subsequent generations have all been found to be uniform and stable. Breeder: Panoramic Farms, 3110 Tarlton Mill Road, USA.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	growth habit	bushy
Leaf	presence of variegation	present
Leaf	type of variegation	marginal
Leaf	marginal colour mature leaf	yellow

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Sunny'	Also known as Sunrise

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Mardi Gras'	Leaf	marginal colour yellow mature leaf	green-white	
'Snow Shower'	Leaf	marginal colour yellow mature leaf	white	
'Little Richard'	Leaf	presence of variegation	present	absent Parental 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	'Kaleidoscope'	'Sunny'
<input type="checkbox"/> Plant: growth habit	bushy	bushy
<input type="checkbox"/> Stem: presence of anthocyanin in new growth	present	present
<input type="checkbox"/> Leaf: shape	ovate	ovate
<input type="checkbox"/> Leaf: shape of apex	acuminate	acuminate
<input type="checkbox"/> Leaf: incision of margin	present	present
<input type="checkbox"/> Leaf: glossiness of upper side	strong	very strong
<input type="checkbox"/> Leaf: presence of variegation	present	present
<input type="checkbox"/> Leaf: type of variegation	marginal	marginal
<input checked="" type="checkbox"/> Leaf: degree of variegation	high	low to medium

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Kaleidoscope'	'Sunny'
<input type="checkbox"/> Leaf: degree of undulation of the surface	very weak to weak	
<input checked="" type="checkbox"/> Plant: density	dense	medium
<input type="checkbox"/> Stem: degree of anthocyanin colouration in new growth	strong	
<input type="checkbox"/> Leaf: central colour mature leaf (RHS)	yellow-green 146A	yellow-green 146A
<input checked="" type="checkbox"/> Leaf: marginal colour mature leaf (RHS)	yellow 6D	yellow 6C
<input checked="" type="checkbox"/> Leaf: marginal colour new leaf (RHS)	yellow-orange 15B	yellow 12A
<input type="checkbox"/> Stem: anthocyanin colour in new growth (RHS)	greyed-purple 183C	greyed-purple 183B
<input checked="" type="checkbox"/> Leaf: prominence of incision in margin	weak	very weak

Prior Applications and Sales

Country	Year	Current Status	Name Applied
Japan	2006	Applied	'Kaleidoscope'
EU	2006	Applied	'Kaleidoscope'
USA	2005	Granted	'Kaleidoscope'

First sold in USA in Jan 2005. First Australian sale Jan 2008.

Description: Steve Eggleton, Wonga Park, VIC.

Details of Application

Application Number	2006/021
Variety Name	'J9277'
Genus Species	<i>Agaricus bisporus</i>
Common Name	Button Mushroom
Synonym	Velocity
Accepted Date	24 Mar 2006
Applicant	Sylvan America, Kittanning, PA, USA
Agent	Sylvan Australia Pty Ltd, Londonderry, NSW.
Qualified Person	Marion Lawson

Details of Comparative Trial

Location	Londonderry, NSW.
Descriptor	Agaricus Mushroom (<i>Agaricus bisporus</i> / <i>A. bitorquis</i> / <i>A. arvensis</i>) TG/MUSHROOM (proj. 1).
Period	Nov 2006 – Jan 2007.
Conditions	Grown in atmosphere controlled sandwich panelled rooms. The air temperature, compost temperature, relative humidity and carbon dioxide and air speed were all monitored and controlled within the growing room
Trial Design	The <i>Agaricus bisporus</i> strain 'Sylvan A15' was used as a comparator in the 'J9277' Comparative Trial. 'Sylvan A15' is currently the most commonly use strain of <i>Agaricus bisporus</i> in the world. The trial was designed to verify the characteristics of experimental strain 'J9277'. All raw materials used in growing the experimental crop 'J9277' and comparator 'Sylvan A15' were the same. These included: compost analysis; spawning rates; casing material; casing moisture; casing inoculum and chemicals used. Twenty mushrooms from each of the 'J9277' and 'Sylvan A15' crops were randomly selected and measured. Measurement criteria: 1. Cap width 2. Cap thickness 3. Cap height 4. Cap roundness 5. Stem length 6. Proportional stem length. A t-test was used to assess the statistical significance of the observed differences.
Measurements	Based on the technical descriptor.
RHS Chart - edition	2001.

Origin and Breeding

'J9277' is a fourth-generation hybrid descended from the tetrasporic brown wild parent strain 'JB137', which belongs to the taxonomic variety *Agaricus bisporus* var. *burnettii*, and the commercial white parent strain 'U1', which belongs to *Agaricus bisporus* var. *bisporus*. Contemporaneously, another first generation hybrid was produced from crosses between wild bisporic parent strain 'RWK 1643' and the white commercial parent strain known as 'White Queen 101'. Several hybrid offspring of these crosses were screened, and hybrid strain 'B5069' was selected for further development. Further crosses were carried out and the product of the successful cross was designated 'J9277'. Crops of 'J9277' were produced and a culture of 'J9277' was re-isolated from tissue explants from mushrooms obtained from these crops. A deposit of a culture of hybrid strain 'J9277' as disclosed herein has been made with the

American Type Culture Collection (ATCC), 10801 University Boulevard, Manassas, VA 20110. The date of deposit was May 3, 2005. The culture deposited was taken from the same culture maintained by Sylvan Inc., Kittanning, PA, the assignee of record. The ATCC Accession No. is PTA-6692. J9277 carries distinctive genetic markers not found in the Horst U1/U3 lineage group. For example the new hybrid variety J9277 has a novel DNA sequence in the ITS1+2 region of the nuclear rRNA gene complex.

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
Cap	colour	white
Stipe	diameter	medium
Cap	shape in longitudinal section	transverse elliptic
Open cap	margin	partly frayed

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'A15'	Most common strain grown 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	'J9277'	'A15'
<input checked="" type="checkbox"/> *Basidium: number of spores	four	two
<input checked="" type="checkbox"/> Stipe: length	medium to long	medium
<input type="checkbox"/> Stipe: diameter	medium	medium
<input type="checkbox"/> Stipe: ratio length/diameter	medium to large	medium
<input type="checkbox"/> *Stipe: shape in longitudinal section	rectangular	rectangular
<input type="checkbox"/> Stipe: swollen base in longitudinal section	present	present
<input type="checkbox"/> Stipe: distance from base to veil remnant ring	long	medium
<input type="checkbox"/> Cap: height	medium	medium
<input type="checkbox"/> Cap: diameter	small	medium
<input checked="" type="checkbox"/> Cap: ratio height/diameter	large	medium
<input type="checkbox"/> *Cap: shape in longitudinal section	transverse elliptic	transverse elliptic
<input type="checkbox"/> Cap: thickness in longitudinal section	medium	medium
<input type="checkbox"/> Cap: amount of scales	absent or very low	absent or very low
<input type="checkbox"/> *Cap: colour	white	white
<input type="checkbox"/> Gills: colour at time of breaking of the veil	pink	pink
<input type="checkbox"/> Open cap: diameter	medium	large
<input checked="" type="checkbox"/> Open cap: thickness	medium	thick
<input type="checkbox"/> *Open cap: margin	partly frayed	partly frayed

<input type="checkbox"/>	*Open cap: central part of upper side	depressed	flat
<input type="checkbox"/>	Discolouration of: cutting surface	weak	medium
<input checked="" type="checkbox"/>	*Flushing pattern: earliness of first flush	early	medium
<input type="checkbox"/>	Flushing pattern: duration of first flush	short	medium
<input checked="" type="checkbox"/>	*Flushing pattern: earliness of second flush	early	medium
<input type="checkbox"/>	Flushing pattern: duration of second flush	short	medium

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'J9277'	'A15'
<input checked="" type="checkbox"/> Flushing pattern: uniformity of rhythm	present	absent
<input type="checkbox"/> Cap: colour (RHS)	155D	155B
<input checked="" type="checkbox"/> Antagonism: heterokaryon strains Horst U1/U3	present	absent

Statistical Table

Organ/Plant Part: Context	'J9277'	'A15'
<input checked="" type="checkbox"/> Cap: fleshiness (ratio)		
Mean	0.32	0.28
Std. Deviation	0.02	0.03
LSD/sig	0.034	P≤0.01
<input type="checkbox"/> Cap: roundness (ratio)		
Mean	0.59	0.54
Std. Deviation	0.02	0.03
LSD/sig	0.057	ns
<input checked="" type="checkbox"/> Stipe: proportional stem length (ratio)		
Mean	0.97	0.72
Std. Deviation	0.09	0.10
LSD/sig	0.086	P≤0.01

Prior Applications and Sales

Prior applications nil. First sold in the USA in Jun 2004. First Australian sale Feb 2005.

Description: **Marion Lawson**, Sylvan Australia Pty Ltd, Londonderry, NSW.

Details of Application

Application Number	2006/190
Variety Name	'Sunbelore'
Genus Species	<i>Calibrachoa</i> hybrid
Common Name	Calibrachoa
Synonym	Orange Chimes
Accepted Date	11 Sep 2006
Applicant	Suntory Flowers Limited, Tokyo, Japan
Agent	Oasis Horticulture Pty Limited, Winmalee, NSW
Qualified Person	Ian Paananen

Details of Comparative Trial

Location	Glenorie, NSW.
Descriptor	Calibrachoa (<i>Calibrachoa</i>) TG/207/1.
Period	Feb to Apr 2008.
Conditions	Trial conducted open beds, rooted cuttings planted into 140mm pots filled with soilless potting mix, nutrition maintained with slow release fertilisers, pest and disease treatments applied as 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	2007.

Origin and Breeding

Controlled pollination: seed parent '9013' x pollen parent '9019'. The seed parent is characterised by a red flower colour and a spreading growth habit. The pollen parent is characterised by an orange-red flower colour and an upright growth habit. 'Sunbelore' was selected due to its orange flower colour combined with strong floriferous growth and a mounding growth habit. Propagation: vegetative cuttings and micropropagation were found to be uniform and stable. Breeder: Takeshi Kanaya, Shiga, 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	height	medium
Shoot	length	short to medium
Leaf blade	variegation	absent
Corolla lobe	number of colours of upper side	two
Corolla lobe	main colour of upper side	greyed-orange/yellow
Corolla lobe	secondary colour of upper side	orange/red
Corolla lobe	main colour of inner side	yellow/yellow-orange
Flower	type	single

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Sunbelfire'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Sunbelki'	Corolla lobe main colour of upper side	greyed-orange	yellow	
'Sunbelkist'	Corolla lobe main colour of upper side	greyed-orange	yellow	

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	'Sunbelore'	'Sunbelfire'
<input type="checkbox"/> Plant: growth habit	semi-upright	semi-upright
<input type="checkbox"/> *Plant: height	medium	medium
<input type="checkbox"/> *Shoot: length	short to medium	short to medium
<input type="checkbox"/> *Leaf blade: length	medium	short to medium
<input type="checkbox"/> *Leaf blade: width	medium to broad	medium
<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 (non-variegated varieties only)	medium to dark	medium to dark
<input type="checkbox"/> Petiole: length	absent or very short	absent or very short
<input type="checkbox"/> Pedicel: length	medium to long	medium
<input type="checkbox"/> *Sepal: length	medium	short to medium
<input type="checkbox"/> *Sepal: width	medium	narrow to medium
<input type="checkbox"/> Sepal: anthocyanin colouration	absent	absent
<input type="checkbox"/> *Flower: type	single	single
<input type="checkbox"/> *Flower: diameter	small	small
<input checked="" type="checkbox"/> Flower: degree of lobing	medium	weak
<input type="checkbox"/> *Corolla lobe: number of colours of upper side	two	two
<input checked="" type="checkbox"/> *Corolla lobe: main colour of upper side (RHS colour chart)	N172A to 168A	9A
<input checked="" type="checkbox"/> *Corolla lobe: secondary colour of upper side (bi- and multi-coloured varieties only) (RHS colour chart)	29A	43A

<input checked="" type="checkbox"/>	*Corolla lobe: conspicuousness of veins on upper side	weak to medium	absent or very weak
<input type="checkbox"/>	Corolla lobe: shape of apex	cuspidate	cuspidate
<input type="checkbox"/>	Corolla tube: maximum length	medium	medium
<input checked="" type="checkbox"/>	*Corolla tube: main colour of inner side (RHS colour chart)	ca 12A	14A
<input checked="" type="checkbox"/>	Corolla tube: conspicuousness of veins on inner side	medium	weak

Prior Applications and Sales

Country	Year	Current Status	Name Applied
Canada	2005	Granted	'Sunbelore'
Norway	2006	Applied	'Sunbelore'
New Zealand	2006	Applied	'Sunbelore'
EU	2006	Granted	'Sunbel Orange'
USA	2005	Granted	'Sunbelore'

First sold in Canada in Apr 2005. First Australian sale Sep 2005.

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

Details of Application

Application Number	2007/066
Variety Name	'Sunbelfire'
Genus Species	<i>Calibrachoa</i> hybrid
Common Name	Calibrachoa
Synonym	Crackling Chimes
Accepted Date	28 Mar 2007
Applicant	Suntory Flowers Limited, Tokyo, Japan
Agent	Oasis Horticulture Pty Limited, Winmalee, NSW
Qualified Person	Ian Paananen

Details of Comparative Trial

Location	Glenorie, NSW
Descriptor	Calibrachoa (<i>Calibrachoa</i>) TG/207/1.
Period	Feb to Apr 2008.
Conditions	Trial conducted in open beds, rooted cuttings planted into 140mm pots filled with soilless potting mix, nutrition maintained with slow release fertilisers, pest and disease treatments applied as 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	2007.

Origin and Breeding

Controlled pollination: seed parent 'R13' x pollen parent 'E20'. The seed parent is characterised by a red flower colour and a tall plant height. The pollen parent is characterised by a red flower colour and rounded corolla lobes. 'Sunbelfire' was selected due to its attractive flower colour combined with a uniform growth habit. Propagation: vegetative cuttings and micropropagation were found to be uniform and stable. Breeder: Takeshi Kanaya, Shiga, 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	height	medium
Shoot	length	short to medium
Leaf blade	variegation	absent
Corolla lobe	number of colours of upper side	two
Corolla lobe	main colour of upper side	yellow
Corolla lobe	secondary colour of upper side	red/red-purple
Corolla lobe	main colour of inner side	yellow-orange/yellow
Flower	type	single

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Sunbelkist'	

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	'Sunbelfire'	'Sunbelkist'
<input type="checkbox"/> Plant: growth habit	semi-upright	semi-upright
<input type="checkbox"/> *Plant: height	medium	medium
<input type="checkbox"/> *Shoot: length	short to medium	short to medium
<input type="checkbox"/> *Leaf blade: length	short to medium	short
<input type="checkbox"/> *Leaf blade: width	medium	narrow to medium
<input type="checkbox"/> Leaf blade: shape of apex	narrow acute	broad acute
<input type="checkbox"/> *Leaf blade: variegation	absent	absent
<input type="checkbox"/> *Leaf blade: green colour of upper side (non-variegated varieties only)	medium to dark	medium to dark
<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: anthocyanin colouration	absent	absent
<input type="checkbox"/> *Flower: type	single	single
<input type="checkbox"/> *Flower: diameter	small	small
<input type="checkbox"/> Flower: degree of lobing	weak	weak
<input type="checkbox"/> *Corolla lobe: number of colours of upper side	two	two
<input checked="" type="checkbox"/> *Corolla lobe: main colour of upper side (RHS colour chart)	9A	9B-C
<input checked="" type="checkbox"/> *Corolla lobe: secondary colour of upper side (bi- and multi-coloured varieties only) (RHS colour chart)	43A	59A-66A
<input checked="" type="checkbox"/> *Corolla lobe: conspicuousness of veins on upper side	absent or very weak	strong
<input checked="" type="checkbox"/> Corolla lobe: shape of apex	cuspidate	rounded
<input type="checkbox"/> Corolla tube: maximum length	medium	medium
<input checked="" type="checkbox"/> *Corolla tube: main colour of inner side (RHS colour chart)	14A	9B-C
<input checked="" type="checkbox"/> Corolla tube: conspicuousness of veins on inner side	weak	strong

Prior Applications and Sales

Prior Applications and Sales

Country	Year	Current Status	Name Applied
Canada	2004	Rejected	'Sunbelfire'
Japan	2006	Applied	'Sunbelfire'
Norway	2005	Applied	'Sunbelfire'
EU	2006	Granted	'Sunbelfire'
USA	2005	Granted	'Sunbelfire'

First sold in USA in Mar 2004. First Australian sale Jul 2006.

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

Details of Application

Application Number	2007/067
Variety Name	'Sunbelflam'
Genus Species	<i>Calibrachoa</i> hybrid
Common Name	Calibrachoa
Synonym	Pink Chimes
Accepted Date	16 Mar 2007
Applicant	Suntory Flowers Limited, Tokyo, Japan
Agent	Oasis Horticulture Pty Limited, Winmalee, NSW
Qualified Person	Ian Paananen

Details of Comparative Trial

Location	Glenorie, NSW.
Descriptor	Calibrachoa (<i>Calibrachoa</i>) TG/207/1.
Period	Feb to Apr 2008.
Conditions	Trial conducted in open beds, rooted cuttings planted into 140mm pots filled with soilless potting mix, nutrition maintained with slow release fertilisers, pest and disease treatments applied as 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	2007.

Origin and Breeding

Controlled pollination: seed parent '9P6' x pollen parent '9L2'. The seed parent is characterised by a red purple flower colour and a small flower diameter. The pollen parent is characterised by a purple flower colour and a small flower diameter. 'Sunbelflam' was selected due to its attractive flower colour combined with a uniform growth habit. Propagation: vegetative cuttings and micropropagation were found to be uniform and stable. Breeder: Takeshi Kanaya, Shiga, 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
Leaf blade	width	narrow to medium
Leaf blade	length	short to medium
Leaf blade	variegation	absent
Corolla lobe	number of colours of upper side	one
Corolla lobe	main colour of upper side	red-purple
Corolla lobe	main colour of lower side	red-purple
Corolla lobe	main colour of inner side	yellow
Flower	type	single

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Sunbelchipi'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety
'Toluca'	Corolla lobe colour	N74B-C	74A
'Toluca'	Flower diameter	medium to large	small to medium

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	'Sunbelclam'	'Sunbelchipi'
<input checked="" type="checkbox"/> Plant: growth habit	semi-upright	upright
<input type="checkbox"/> *Plant: height	short to medium	medium
<input type="checkbox"/> *Shoot: length	short to medium	medium
<input type="checkbox"/> *Leaf blade: length	short to medium	short to medium
<input type="checkbox"/> *Leaf blade: width	narrow to medium	narrow to medium
<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 (non-variegated varieties only)	medium	medium to dark
<input type="checkbox"/> Petiole: length	absent or very short	absent or very short
<input type="checkbox"/> Pedicel: length	short to medium	short to medium
<input type="checkbox"/> *Sepal: length	medium	medium
<input type="checkbox"/> *Sepal: width	medium	medium
<input type="checkbox"/> Sepal: anthocyanin colouration	absent	absent
<input type="checkbox"/> *Flower: type	single	single
<input type="checkbox"/> *Flower: diameter	medium to large	medium to large
<input checked="" type="checkbox"/> Flower: degree of lobing	weak	medium
<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)	N74B-C	57A
<input type="checkbox"/> *Corolla lobe: conspicuousness of veins on upper side	weak to medium	medium
<input checked="" type="checkbox"/> Corolla lobe: main colour of lower side (RHS colour chart)	N74C	64A
<input type="checkbox"/> Corolla lobe: shape of apex	rounded	rounded
<input type="checkbox"/> Corolla tube: maximum length	medium	medium

<input checked="" type="checkbox"/>	*Corolla tube: main colour of inner side (RHS colour chart)	ca 13B	13A
<input type="checkbox"/>	Corolla tube: conspicuousness of veins on inner side	weak to medium	weak to medium

Prior Applications and Sales

Country	Year	Current Status	Name Applied
Canada	2005	Granted	'Sunbelflam'
Japan	2006	Granted	'Sunbelflam'
EU	2006	Applied	'Sunbelflam'
USA	2005	Granted	'Sunbelflam'

First sold in USA in Apr 2005. First Australian sale Jul 2006.

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

Details of Application

Application Number	2006/191
Variety Name	'Sunbel-labu'
Genus Species	<i>Calibrachoa</i> hybrid
Common Name	Calibrachoa
Synonym	Lavender Chimes
Accepted Date	11 Sep 2006
Applicant	Suntory Flowers Limited, Tokyo, Japan
Agent	Oasis Horticulture Pty Limited, Winmalee, NSW
Qualified Person	Ian Paananen

Details of Comparative Trial

Location	Glenorie, NSW.
Descriptor	Calibrachoa (<i>Calibrachoa</i>) TG/207/1.
Period	Feb to Apr 2008.
Conditions	Trial conducted in open beds, rooted cuttings planted into 140mm pots filled with soilless potting mix, nutrition maintained with slow release fertilisers, pest and disease treatments applied as 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	2007.

Origin and Breeding

Controlled pollination: seed parent '9LB6' x pollen parent '9LB1'. The seed parent is characterised by a small, purple violet flower. The pollen parent is characterised by a medium to tall plant height and a purple violet flower colour. 'Sunbel-labu' was selected due to its light purple flower colour combined with a spreading growth habit and small flower size. Propagation: vegetative cuttings and micropropagation were found to be uniform and stable. Breeders: Takeshi Kanaya and Yasuyuki Murakami, Shiga, 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	height	short to medium/short
Leaf blade	variegation	absent
Corolla lobe	number of colours of upper side	two
Corolla lobe	main colour of upper side	violet/purple violet
Corolla lobe	secondary colour of upper side	purple violet/purple
Corolla lobe	main colour of inner side	greyed-yellow/yellow
Flower	type	single

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Wescaice'	

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	'Sunbel-labu'	'Wescaice'
<input checked="" type="checkbox"/> Plant: growth habit	semi-upright	creeping
<input type="checkbox"/> *Plant: height	short to medium	short
<input type="checkbox"/> *Shoot: length	short to medium	very short
<input checked="" type="checkbox"/> *Leaf blade: length	short	medium
<input checked="" type="checkbox"/> *Leaf blade: width	narrow	broad
<input type="checkbox"/> Leaf blade: shape of apex	broad acute	broad acute
<input type="checkbox"/> *Leaf blade: variegation	absent	absent
<input type="checkbox"/> *Leaf blade: green colour of upper side (non-variegated varieties only)	medium	medium
<input type="checkbox"/> Petiole: length	absent or very short	absent or very short
<input type="checkbox"/> Pedicel: length	short to medium	short to medium
<input checked="" type="checkbox"/> *Sepal: length	short to medium	medium to long
<input type="checkbox"/> *Sepal: width	narrow to medium	medium
<input type="checkbox"/> Sepal: anthocyanin colouration	absent	absent
<input type="checkbox"/> *Flower: type	single	single
<input checked="" type="checkbox"/> *Flower: diameter	small	medium to large
<input type="checkbox"/> Flower: degree of lobing	very weak to weak	weak
<input type="checkbox"/> *Corolla lobe: number of colours of upper side	two	two
<input checked="" type="checkbox"/> *Corolla lobe: main colour of upper side (RHS colour chart)	N87D	81C
<input checked="" type="checkbox"/> *Corolla lobe: secondary colour of upper side (bi- and multi-coloured varieties only) (RHS colour chart)	N82B	76A
<input type="checkbox"/> *Corolla lobe: conspicuousness of veins on upper side	weak	weak
<input checked="" type="checkbox"/> Corolla lobe: main colour of lower side (RHS colour chart)	76A	76C
<input checked="" type="checkbox"/> Corolla lobe: shape of apex	emarginate	rounded
<input type="checkbox"/> Corolla tube: maximum length	short to medium	medium
<input checked="" type="checkbox"/> *Corolla tube: main colour of inner side (RHS colour chart)	ca 162A	9B-C
<input type="checkbox"/> Corolla tube: conspicuousness of veins on inner side	weak	weak

Prior Applications and Sales

Country	Year	Current Status	Name Applied
Canada	2004	Granted	'Sunbel-labu'
Japan	2004	Granted	'Sunbel-labu'
USA	2004	Granted	'Sunbel-labu'
EU	2005	Granted	'Sunbellabu'

First sold in USA in Apr 2003. First Australian sale Sep 2005.

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

Details of Application

Application Number	2007/068
Variety Name	'Sunbelsafu'
Genus Species	<i>Calibrachoa</i> hybrid
Common Name	Calibrachoa
Synonym	Blue Chimes
Accepted Date	03 May 2007
Applicant	Suntory Flowers Limited, Tokyo, Japan
Agent	Oasis Horticulture Pty Limited, Winmalee, NSW
Qualified Person	Ian Paananen

Details of Comparative Trial

Location	Glenorie, NSW.
Descriptor	Calibrachoa (<i>Calibrachoa</i>) TG/207/1.
Period	Feb to Apr 2008.
Conditions	Trial conducted open beds, rooted cuttings planted into 140mm pots filled with soilless potting mix, nutrition maintained with slow release fertilisers, pest and disease treatments applied as 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	2007.

Origin and Breeding

Controlled pollination: seed parent 'V14' x pollen parent 'P30'. The seed parent is characterised by a violet flower colour and a spreading growth habit. The pollen parent is characterised by a purple flower colour, medium flower diameter and deep corolla lobe incisions. 'Sunbelsafu' was selected due to its attractive flower colour combined with a uniform growth habit. Propagation: vegetative cuttings and micropropagation were found to be uniform and stable. Breeder: Takeshi Kanaya, Shiga, 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	semi-upright
Leaf blade	width	narrow to medium
Leaf blade	variegation	absent
Corolla lobe	number of colours of upper side	one
Corolla lobe	main colour of upper side	purple-violet
Corolla lobe	main colour of lower side	purple-violet
Corolla lobe	main colour of inner side	yellow
Flower	type	single

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'USCAL151'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety
'Sunbelkubu'	Plant growth habit	semi-upright	creeping
'USCALI4'	Corolla lobe main colour of upper side	N81A	N82A
'KLEC99R14'	Corolla lobe main colour of upper side	N81A	82A
'KLEC00070'	Corolla lobe main colour of upper side	N81A	82A
'KLEC00069'	Corolla lobe main colour of upper side	N81A	82A
'Liricashower Blue'	Corolla lobe main colour of upper side	N81A	82A

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	'Sunbelsafu'	'USCAL151'
<input type="checkbox"/> Plant: growth habit	semi-upright	semi-upright
<input checked="" type="checkbox"/> *Plant: height	medium	tall
<input type="checkbox"/> *Shoot: length	short to medium	medium
<input type="checkbox"/> *Leaf blade: length	medium	medium to long
<input type="checkbox"/> *Leaf blade: width	narrow to medium	narrow to medium
<input type="checkbox"/> Leaf blade: shape of apex	narrow acute	broad acute
<input type="checkbox"/> *Leaf blade: variegation	absent	absent
<input type="checkbox"/> *Leaf blade: green colour of upper side (non-variegated varieties only)	medium	medium
<input checked="" type="checkbox"/> Petiole: length	absent or very short	very short to short
<input type="checkbox"/> Pedicel: length	short	very short to short
<input type="checkbox"/> *Sepal: length	short to medium	medium
<input type="checkbox"/> *Sepal: width	narrow to medium	narrow
<input checked="" type="checkbox"/> Sepal: anthocyanin colouration	present	absent
<input type="checkbox"/> *Flower: type	single	single
<input checked="" type="checkbox"/> *Flower: diameter	medium	large
<input type="checkbox"/> Flower: degree of lobing	medium	medium
<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)	N81A	N82A-B

<input type="checkbox"/>	*Corolla lobe: conspicuousness of veins on upper side	medium to strong	medium
<input checked="" type="checkbox"/>	Corolla lobe: main colour of lower side (RHS colour chart)	N80C	N81C
<input checked="" type="checkbox"/>	Corolla lobe: shape of apex	rounded	cuspidate
<input type="checkbox"/>	Corolla tube: maximum length	short to medium	medium
<input checked="" type="checkbox"/>	*Corolla tube: main colour of inner side (RHS colour chart)	ca 11B	10-12B
<input type="checkbox"/>	Corolla tube: conspicuousness of veins on inner side	weak	weak to medium

Prior Applications and Sales

Country	Year	Current Status	Name Applied
Canada	2006	Applied	'Sunbelsafu'
Japan	2006	Granted	'Sunbelsafu'
USA	2006	Granted	'Sunbelsafu'

First sold in Japan in Apr 2006. First Australian sale Jul 2006.

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

Details of Application

Application Number	2005/134
Variety Name	'MACtro'
Genus Species	Canna hybrid
Common Name	Canna
Synonym	Nil
Accepted Date	9 Jun 2005
Applicant	Anthony Tesselaar Plants Pty Ltd, Silvan, VIC
Agent	N/A
Qualified Person	Christopher Prescott

Details of Comparative Trial

Location	Monbulk Road, Silvan, VIC (Latitude 37°50'8.08 South, elevation 285m).
Descriptor	Canna (DRAFT) (Canna) TG/CANNA (proj.2).
Period	1 Flowering cycle from dormancy in the winter 2008 to flowering in the summer (Jan 2009). Rhizomes have been in the ground for a minimum of three years.
Conditions	Plants of both 'MACtro' and 'Pretoria' were planted as part of a trial garden plot for Canna varieties at the property of Anthony Tesselaar Plants in Silvan. The trial had been under a modicum of stress due to drought conditions and are possibly not at their optimum. Also a possible virus was detected in both candidate and comparator although in the opinion of QP, not enough to disregard planted trial for description.
Trial Design	Randomised block plantings of between 12 to 20 plants.
Measurements	Taken at random.
RHS Chart - edition	2007.

Origin and Breeding

Canna 'MACtro' was the result of a spontaneous mutation of Canna 'Phasion' maintained at the nursery in Manurewa, NZ. The resultant plant was selected out and vegetatively propagated. It has been grown for several years and shown to be stable. Several subsequent generations have been propagated vegetatively and have also shown to be stable. All breeding was carried out by, or under the supervision of Neil McCormick. All rights to this variety in Australia have been signed over to Anthony Tesselaar Plants Pty Ltd by assignment.

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	total height at flowering	medium
Plant	growth habit	upright
Plant	number of shots (from basal eyes)	very few
Leaf	relief of veins	conspicuous
Leaf blade	main colour	green
Leaf blade	variegation	present
Leaf blade	variegation colour	yellow
Flower	main colour group	orange

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Pretoria'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Bengal Tiger'	Leaf anthocyanin absent blade colouration		present	Looked to be identical to 'Pretoria'.
'Phasion'	Leaf colour	green with yellow variegation	reddish purple	Parent.

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	'MACTro'	'Pretoria'
<input type="checkbox"/> *Plant: total height at flowering	medium	medium
<input type="checkbox"/> Plant: growth habit	upright	upright
<input type="checkbox"/> Plant: number of shoots	very few	very few
<input type="checkbox"/> *Plant: anthocyanin colouration of stem	absent	present
<input type="checkbox"/> Leaf: width	medium	medium
<input type="checkbox"/> Leaf: ratio height/width	longer than broad	longer than broad
<input type="checkbox"/> *Leaf: relief of veins	conspicuous	conspicuous
<input type="checkbox"/> Leaf: degree of conspicuousness of veins	strong	medium to strong
<input type="checkbox"/> *Leaf blade: main colour	green	green
<input type="checkbox"/> *Leaf blade: variegation	present	present
<input type="checkbox"/> *Leaf blade: variegation colour	yellow	yellow
<input checked="" type="checkbox"/> *Leaf blade: anthocyanin colouration	absent	present
<input type="checkbox"/> Leaf blade: intensity of colour for varieties without anthocyanin	medium	
<input type="checkbox"/> Leaf: intensity of variegation	strong	medium to strong
<input type="checkbox"/> Inflorescence: length of floral part of stalk end	medium	medium
<input type="checkbox"/> Plant: position of the floral part in relation with the foliage	above	above
<input type="checkbox"/> Inflorescence: number of flowers	medium	medium
<input type="checkbox"/> Flower: size	medium	medium
<input checked="" type="checkbox"/> *Flower: number of colours	two	one
<input checked="" type="checkbox"/> *Flower: main colour (RHS Colour Chart)	23A	N25B
<input type="checkbox"/> Flower: intensity of colour	strong	strong
<input checked="" type="checkbox"/> *Flower: secondary colour	present	absent

<input checked="" type="checkbox"/>	*Flower: hue of the secondary colour	yellow	
<input checked="" type="checkbox"/>	*Flower: secondary colour pattern	bordered	
<input type="checkbox"/>	Petals: position (open flower)	spreading	spreading
<input type="checkbox"/>	Petals: overlapping	present	present
<input type="checkbox"/>	Flower: width of edging on petals	medium	medium
<input type="checkbox"/>	Time of: flowering	medium	medium
<input checked="" type="checkbox"/>	Fruit: colour (before maturity)	green	reddish green
<input checked="" type="checkbox"/>	Fruit: size	medium	small
<input type="checkbox"/>	Fruit: presence of seeds	present	present
<input type="checkbox"/>	Fruit: number of seeds	many	many

Prior Applications and Sales

Country	Year	Current Status	Name Applied
Canada	2004	Applied	'MACTro'
New Zealand	2003	Granted	'MACTro'
EU	2005	Granted	'MACTro'
USA	2001	Granted	'MACTro'
South Africa	2006	Applied	'MACTro'

First sold in the USA in Apr 2003.

Description: **Christopher Prescott**, Clyde, VIC.

Details of Application

Application Number	2006/314
Variety Name	'Lon01'
Genus Species	<i>Canna</i> hybrid
Common Name	Canna
Synonym	Nil
Accepted Date	22 Dec 2006
Applicant	Lone Star International, S.A. de C.V., Jalosco, Mexico
Agent	Anthony Tesselaar Plants Pty Ltd, Silvan, VIC
Qualified Person	Christopher Prescott

Details of Comparative Trial

Location	Monbulk Road, Silvan, VIC (Latitude 37°50'8.08 South, elevation 285m).
Descriptor	Canna (DRAFT) (<i>Canna</i>)
Period	1 Flowering cycle from dormancy in the winter 2008 to flowering in the Summer (Jan 2009). Rhizomes have been in the ground for a minimum of three years.
Conditions	Plants of both 'Lon01' and 'Wyoming' were planted as part of a drought tolerant trial garden plot for many species at the property of Anthony Tesselaar Plants in Silvan. The trial looked in good vigour and could clearly demonstrate characteristics of both candidate and comparator.
Trial Design	Random blocks of between 10-20 plants of both 'Lon01' and 'Wyoming' throughout 5 trial areas.
Measurements	Taken at random.
RHS Chart - edition	2007.

Origin and Breeding

'Lon01' was a chance seedling from a population of seeds that were randomly collected from a group of Cannas. The variety was a natural cross therefore the breeder is uncertain as to the exact parentage, however the following varieties were present and flowering at the time of pollination: 'Yellow King Humbert', 'Northstar Landscape Red', 'Crimson Beauty', 'Rose Futurity', 'President', 'Angle Pink Beauty'. The seedling 'Lon01' showed excellent horticultural characteristics. It was initially multiplied by division and found to be consistent and stable and has been subsequently multiplied by division to develop commercial numbers. The selection was made by Mr Greg Goff at his property at Guadalajara, Jalisco, Mexico.

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	number of shoots (from basal eyes)	very few
Plant	anthocyanin colouration	present
Leaf	relief of veins	conspicuous
Leaf blade	variegation	absent
Leaf blade	intensity of anthocyanin colouration	strong
Flower	number of colours	one
Flower	colour group	red-orange
Plant	Growth habit	upright

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Wyoming'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics	State of Expression in Candidate	State of Expression in Comparator Variety	Comments
'Phision'	Leaf blade	variegation absent	present	synonym Tropicanna
'Rose Faturity'	Flower group	colour red-orange	fuschia pink	

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	'Lon01'	'Wyoming'
<input checked="" type="checkbox"/> *Plant: total height at flowering	medium to tall	tall to very tall
<input type="checkbox"/> Plant: growth habit	upright	upright
<input type="checkbox"/> Plant: number of shoots	very few	very few
<input type="checkbox"/> *Plant: anthocyanin colouration of stem	present	present
<input checked="" type="checkbox"/> Plant: intensity of anthocyanin colouration of stem	strong to very strong	medium to strong
<input type="checkbox"/> Leaf: width	medium to broad	medium to broad
<input type="checkbox"/> Leaf: ratio height/width	longer than broad	longer than broad
<input type="checkbox"/> *Leaf: relief of veins	conspicuous	conspicuous
<input type="checkbox"/> Leaf: degree of conspicuousness of veins	weak	weak
<input checked="" type="checkbox"/> *Leaf blade: main colour	purple	green
<input type="checkbox"/> *Leaf blade: variegation	absent	absent
<input type="checkbox"/> *Leaf blade: anthocyanin colouration	present	present
<input type="checkbox"/> Leaf blade: intensity of anthocyanin colouration	strong	strong
<input type="checkbox"/> *Leaf blade: anthocyanin colouration pattern	diffuse	diffuse
<input type="checkbox"/> Inflorescence: length of floral part of stalk end	medium	medium
<input type="checkbox"/> Plant: position of the floral part in relation with the foliage	strongly above	strongly above
<input checked="" type="checkbox"/> Inflorescence: number of flowers	many	medium
<input type="checkbox"/> Flower: size	medium	medium
<input type="checkbox"/> *Flower: number of colours	one	one
<input checked="" type="checkbox"/> *Flower: main colour (RHS Colour Chart)	33A	23A
<input type="checkbox"/> Flower: intensity of colour	strong	strong
<input type="checkbox"/> *Flower: secondary colour	absent	absent
<input type="checkbox"/> Petals: position (open flower)	spreading	spreading

<input type="checkbox"/>	Petals: overlapping	present	present
<input type="checkbox"/>	Flower: width of edging on petals	medium	medium
<input type="checkbox"/>	Time of: flowering	medium	medium
<input checked="" type="checkbox"/>	Fruit: colour (before maturity)	green	red
<input type="checkbox"/>	Fruit: size	medium	medium
<input type="checkbox"/>	Fruit: presence of seeds	present	present
<input type="checkbox"/>	Fruit: number of seeds	many	many

Prior Applications and Sales

Country	Year	Current Status	Name Applied
USA	2006	Applied	'Lon01'

First sold in the USA in Apr 2006.

Description: **Christopher Prescott**, Clyde, VIC.

Details of Application

Application Number	2008/105
Variety Name	'Floriametrine'
Genus Species	<i>Dianthus caryophyllus</i>
Common Name	Carnation
Synonym	Nil
Accepted Date	27 May 2008
Applicant	International Flower Developments Pty Ltd, Bundoora, VIC.
Agent	N/A
Qualified Person	Michael Senior

Details of Comparative Trial

Location	1 Park Drive, Bundoora, 3083, VIC.
Descriptor	Carnation (<i>Dianthus</i>) TG/25/8.
Period	Trial data collected from 10 May 08 to 22 Aug 08.
Conditions	Plants were grown in a polycarbonate house in 150mm pots on raised benches. Media used was Perlite/Peat, ratio 3:1. An automated fertigation system was used to irrigate and fertilise the plants. An automated system was also used to control bench heating, evaporative cooling and shade screens.
Trial Design	The trial was set up in five blocks with 17 to 20 plants per variety. Comparator varieties were placed next to the candidate variety in each block.
Measurements	Measurements were taken for all plants that flowered during the trial. Statistical analysis was completed for 17 plants each of the candidate and comparator varieties.
RHS Chart - edition	Fifth edition, 2007.

Origin and Breeding

Genetic modification: The candidate variety was bred using genetic modification for flower colour from carnation variety 'KC'. The parental variety has pink flower colour and modified new variety has red-purple flower colour. Vegetative propagation has been used to maintain the variety in its present form over 3 generations. Breeder: International Flower Developments Pty Ltd, Bundoora, 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
Plant	arrangement of individual flowers	one-flowered
Leaf	shape	elliptic
Flower	colour	red-purple
Flower	type	double
Flower	profile of upper part of corolla	flat convex
Flower	profile of lower part of corolla	flat convex
Petal	predominant shape	type3
Calyx	shape	cylindrical

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Vega'	
'Purple Spectro'	

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	'Floriametrine'	'Purple Spectro'	'Vega'
<input type="checkbox"/> Stem: laterals without flower buds or flowers	present	present	present
<input type="checkbox"/> Stem: number of internodes between epicalyx and lowest node with laterals with flower buds or flowers	four	four	four
<input type="checkbox"/> Plant: laterals with flower buds or flowers of second order	present	present	present
<input type="checkbox"/> Stem: arrangement of totality of flowers (varieties with laterals with flower buds or flowers only)	domed	domed	domed
<input type="checkbox"/> Plant: arrangement of individual flowers	one-flowered	one-flowered	one-flowered
<input type="checkbox"/> Stem: thickness	medium	medium	medium
<input type="checkbox"/> Stem: cross section	circular	circular	circular
<input type="checkbox"/> Stem: hollowness	absent	absent	absent
<input type="checkbox"/> *Leaf: shape	elliptic	elliptic	elliptic
<input type="checkbox"/> Leaf: longitudinal axis	recurved	rolled	recurved
<input type="checkbox"/> Leaf: cross section	concave	concave	weakly concave
<input type="checkbox"/> Leaf: colour	green	green	green
<input type="checkbox"/> Leaf: waxy layer	weak	weak	weak
<input type="checkbox"/> Leaf: spiny ciliation of margin	absent	absent	absent
<input type="checkbox"/> *Bud: shape	ellipsoid	ellipsoid	ellipsoid
<input type="checkbox"/> Bud: extrusion of styles	absent	absent	absent
<input type="checkbox"/> *Flower: profile of upper part of corolla	flat convex	flat convex	flat convex
<input type="checkbox"/> *Flower: profile of lower part of corolla	flat convex	flat convex	flat convex
<input type="checkbox"/> Flower: fragrance	absent	absent	absent
<input type="checkbox"/> Epicalyx: position of outer leaves in relation to calyx	adpressed	adpressed	adpressed
<input type="checkbox"/> *Epicalyx: apex of outer lobes	acute	acute	acute
<input type="checkbox"/> *Epicalyx: apex of inner lobes	acuminate	acuminate	acuminate
<input type="checkbox"/> *Calyx: shape	cylindrical	cylindrical	cylindrical

<input type="checkbox"/>	Calyx: longitudinal axis of lobes	flat	flat	flat
<input type="checkbox"/>	Calyx: anthocyanin colouration of lobes	absent	absent	absent
<input type="checkbox"/>	Calyx: shape of lobe	short acuminate	short acuminate	short acuminate
<input type="checkbox"/>	*Flower: type	double	double	double
<input type="checkbox"/>	Petal: predominant shape	type 3	type 3	type 3
<input checked="" type="checkbox"/>	Petal: surface of blade	flat	flat	undulating
<input checked="" type="checkbox"/>	*Petal: margin of blade	crenate-dentate	crenate	crenate-dentate
<input type="checkbox"/>	Petal: depth of incisions of blade	very shallow	very shallow	very shallow
<input checked="" type="checkbox"/>	*Petal: number of colours of blade	one	two	one
<input checked="" type="checkbox"/>	*Petal: colour distribution of blade	striated	picotee-speckled	flushed
<input checked="" type="checkbox"/>	*Petal: main colour (RHS colour chart)	N78a	73A with N74A margin and speckles	64B
<input checked="" type="checkbox"/>	*Petal: main secondary colour of blade	purple	white or near white	white or near white
<input type="checkbox"/>	Petal: macule	absent	absent	absent
<input type="checkbox"/>	*Ovary: shape	obovoid	obovoid	obovoid
<input type="checkbox"/>	Ovary: main colour of lower part	green	green	green
<input type="checkbox"/>	Ovary: surface	smooth	smooth	smooth
<input type="checkbox"/>	Styles: number	only two		
<input type="checkbox"/>	Style: shoulder	absent	absent	absent
<input checked="" type="checkbox"/>	Stigma: colour	white or cream	white or cream	white with purple flush

Statistical Table

Organ/Plant Part: Context	'Floriametrine'	'Purple Spectro'	'Vega'
<input checked="" type="checkbox"/> Plant: height at flowering (mm)			
Mean	896.60	1051.76	961.47
Std. Deviation	39.50	82.95	59.68
LSD/sig	56.51	P≤0.01	P≤0.01
<input type="checkbox"/> Stem: length at 7th node (mm)			
Mean	399.10	395.58	405.00
Std. Deviation	20.20	36.13	40.00
LSD/sig	28.08	ns	ns
<input type="checkbox"/> Stem: thickness of 5th node (mm)			
Mean	5.94	6.00	6.00
Std. Deviation	0.90	0.61	0.70
LSD/sig	0.66	ns	ns
<input type="checkbox"/> Stem: length of 5th internode (mm)			
Mean	72.82	66.76	66.76

Std. Deviation	6.42	8.25	11.54
LSD/sig	7.46	ns	ns
<input checked="" type="checkbox"/> Leaf: length (3rd from top) (mm)			
Mean	40.47	44.47	54.35
Std. Deviation	4.26	5.38	5.76
LSD/sig	4.54	ns	P≤0.01
<input checked="" type="checkbox"/> Leaf: width (3rd from top) (mm)			
Mean	7.05	5.64	6.05
Std. Deviation	0.74	0.86	0.74
LSD/sig	0.77	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Flower: diameter (mm)			
Mean	49.00	52.47	45.23
Std. Deviation	2.59	3.64	3.05
LSD/sig	3.00	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Flower: height of corolla (mm)			
Mean	22.47	27.64	24.76
Std. Deviation	3.51	6.00	3.94
LSD/sig	4.15	P≤0.01	ns
<input checked="" type="checkbox"/> Epicalyx: length of outer lobe (mm)			
Mean	4.94	4.94	6.11
Std. Deviation	0.24	0.24	0.69
LSD/sig	0.42	ns	P≤0.01
<input checked="" type="checkbox"/> Epicalyx: length of inner lobe (mm)			
Mean	4.35	4.41	5.35
Std. Deviation	0.49	0.50	0.60
LSD/sig	0.48	ns	P≤0.01
<input checked="" type="checkbox"/> Calyx: length (mm)			
Mean	32.40	31.25	32.94
Std. Deviation	0.71	0.66	1.02
LSD/sig	0.74	P≤0.01	ns
<input type="checkbox"/> Calyx : length of lobe (mm)			
Mean	5.94	5.94	6.17
Std. Deviation	0.96	0.65	0.72
LSD/sig	0.68	ns	ns
<input checked="" type="checkbox"/> Flower: petal number (mm)			
Mean	26.94	49.82	37.58
Std. Deviation	1.85	4.53	3.60
LSD/sig	3.52	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Flower : petal length (mm)			
Mean	47.40	45.11	43.41
Std. Deviation	1.58	1.49	1.93
LSD/sig	1.59	P≤0.01	P≤0.01
<input type="checkbox"/> Flower : petal width (mm)			
Mean	21.88	22.70	20.35
Std. Deviation	1.83	2.59	3.04

LSD/sig	2.23	ns	ns
<input checked="" type="checkbox"/> Style: length (mm)			
Mean	26.05	22.11	23.52
Std. Deviation	1.47	3.53	4.17
LSD/sig	3.35	P≤0.01	ns

Prior Applications and Sales

Nil.

Description: **Michael Senior**, Florigene Pty. Ltd., Bundoora, VIC.

Details of Application

Application Number	2007/316
Variety Name	'CARDINAL'
Genus Species	<i>Cordyline australis</i>
Common Name	Cordyline
Synonym	Nil
Accepted Date	18 Mar 2008
Applicant	Liner Plants NZ (1993) Limited, Whenuapai, New Zealand
Agent	A J Park, Canberra, ACT
Qualified Person	Ian Paananen

Details of Comparative Trial

Location	Macmasters Beach, NSW.
Descriptor	Cordyline (<i>Cordyline</i> spp.) PBR CORD.
Period	Spring 2008.
Conditions	Trial conducted in open beds, plants propagated from cuttings, planted into 200mm pots filled with soilless potting mix, nutrition maintained with slow release and liquid fertilisers, irrigation by overhead watering, pest and disease treatments not required.
Trial Design	Fifteen pots of each variety arranged in a completely randomised design.
Measurements	From ten plants at random.
RHS Chart - edition	2007.

Origin and Breeding

Open pollination followed by seedling selection: seed parent *C. australis* 'Purpurea'. The seed parent is characterised by a purple leaf colour. Selection took place in Hobsonville, Auckland, New Zealand in 2004. Selection criteria: desirable foliage colour. Propagation: vegetative micropropagation is found to be uniform and stable. Breeder: Paul Turner, Hobsonville, Auckland, New Zealand. All work was carried out at Liner Plants NZ, Hobsonville, Auckland, New Zealand.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	height of foliage	medium
Leaf	main colour	red-purple
Leaf	attitude of top half of leaf	semi-weeping

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Purple Sensation'	
'Red Fountain'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Purpurea'	Leaf	main colour red-purple	purple	parental variety
'Albertii'	Leaf	main colour red-purple	variegated cream/green	
'Purple Tower'	Leaf	main colour red-purple	purple	
'Red Star'	Leaf	attitude of top half of leaf	semi-weeping	semi-erect

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	'CARDINAL'	'Purple Sensation'	'Red Fountain'
<input type="checkbox"/> Plant: height of foliage	medium	medium	medium
<input checked="" type="checkbox"/> Stem: branching	absent	present	present
<input type="checkbox"/> Leaf: length	medium	medium	medium
<input checked="" type="checkbox"/> Leaf: width at broadest part	medium	broad	narrow to medium
<input type="checkbox"/> Leaf: number of colours on upper side	two	two	two
<input checked="" type="checkbox"/> Leaf: main colour of upper side (RHS Colour Chart)	200A-B	200B	N186A
<input checked="" type="checkbox"/> Leaf: secondary colour of upper side (RHS Colour Chart)	200D	178A	187A
<input type="checkbox"/> Leaf: distribution of secondary colour on upper side	middle zone	middle zone	middle zone
<input type="checkbox"/> Leaf: attitude of top half of leaf	semi-weeping	semi-weeping	semi-weeping
<input type="checkbox"/> Leaf: glossiness of upper side	medium	medium	medium to strong
<input checked="" type="checkbox"/> Leaf: attitude lower third	upwards	upwards	45 degrees
<input checked="" type="checkbox"/> Leaf: attitude mid third	45 degrees	45 degrees	horizontal
<input checked="" type="checkbox"/> Leaf: attitude upper third	horizontal	45 degrees	horizontal
Characteristics Additional to the Descriptor/TG			
Organ/Plant Part: Context	'CARDINAL'	'Purple Sensation'	'Red Fountain'
<input checked="" type="checkbox"/> Leaf: basal colour	yellow green	orange red	purple red
<input checked="" type="checkbox"/> Leaf: main colour of lower side (RHS)	N200A-B	200A	200A

Statistical Table

Organ/Plant Part: Context	'CARDINAL'	'Purple Sensation'	'Red Fountain'
<input type="checkbox"/> Plant: height (cm)			
Mean	80.40	88.30	72.60
Std. Deviation	14.10	6.50	11.30
LSD/sig	13.7	ns	ns
<input checked="" type="checkbox"/> Leaf: width (mm)			
Mean	20.10	26.40	17.10
Std. Deviation	1.50	1.40	2.20
LSD/sig	2.17	P≤0.01	P≤0.01

Prior Applications and Sales

Country	Year	Current Status	Name Applied
New Zealand	2005	Applied	'CARDINAL'
EU	2005	Granted	'CARDINAL'

First sold in Germany on 1 July 2005. First Australian sale 25 January 2007*.

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

*Editor's note: while earlier sales may have occurred, the evidence provided indicates unauthorised distribution and subsequent sales were without the breeder's consent.

Details of Application

Application Number	2008/356
Variety Name	'PARV01'
Genus Species	<i>Myoporum parvifolium</i>
Common Name	Creeping Boobiella
Synonym	Nil
Accepted Date	15 Dec 2008
Applicant	Ozbreed Pty Ltd, Clarendon, NSW
Agent	N/A
Qualified Person	Ian Paananen

Details of Comparative Trial

Location	Clarendon, NSW.
Descriptor	Philotheca (<i>Philotheca</i>) PBR PHIL.
Period	Aug 2008 – Nov 2008.
Conditions	Trial conducted in open beds, plants propagated from cuttings, planted into 140mm pots filled with soilless potting mix, nutrition maintained with slow release and liquid fertilisers, irrigation by overhead watering, pest and disease treatments not required.
Trial Design	Fifteen pots of each variety arranged in a completely randomised design.
Measurements	From ten plants at random.
RHS Chart - edition	2007.

Origin and Breeding

Open pollination followed by seedling selection over 2 generations: seed parent *Myoporum parvifolium*. The seed parent is characterised by a medium plant width, medium rate of spread and medium longevity. Selection took place in Clarendon, NSW in 2004. Selection criteria: slower spreading and greater longevity combined with a compact growth habit and a tidier appearance than common forms. Propagation: vegetative, cuttings are found to be uniform and stable. Breeder: Todd Layt, Clarendon, NSW. All work was carried out at Clarendon, 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	growth habit	spreading
Plant	height	short to medium
Flower	colour	white

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
Medium white form	common form used in trade

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Broad Pink'	Flower colour	white	pink	

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	'PARV01'	Medium white form
<input type="checkbox"/> Plant: growth habit	spreading	spreading
<input type="checkbox"/> Plant: height	short to medium	short to medium
<input type="checkbox"/> Plant: width	narrow to medium	medium
<input checked="" type="checkbox"/> Plant: density	dense	medium
<input checked="" type="checkbox"/> Stem: length of internode	short	medium
<input checked="" type="checkbox"/> Leaf: length	short to medium	medium
<input checked="" type="checkbox"/> Leaf: width at broadest part	narrow to medium	medium
<input type="checkbox"/> Leaf: variegation	absent	absent
<input type="checkbox"/> Leaf: main colour of upper side (RHS Colour Chart)	N137B	137B
<input type="checkbox"/> Leaf: shape	oblanceolate	oblanceolate
<input type="checkbox"/> Leaf: shape of apex	acute	acute
<input type="checkbox"/> Leaf: shape of base	cuneate	cuneate
<input type="checkbox"/> Leaf: shape in cross section	concave	concave
<input type="checkbox"/> Leaf: undulation of margin	absent or weak	absent or weak
<input type="checkbox"/> Pedicel: length	medium	medium
<input type="checkbox"/> Pedicel: colour (RHS Colour Chart)	144B	144B

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'PARV01'	Medium white form
<input type="checkbox"/> Leaf: colour of lower side (RHS)	147B	147B
<input type="checkbox"/> Corolla lobe: main colour	white	white
<input type="checkbox"/> Leaf: profile of margin	obscurely toothed	obscurely toothed
<input checked="" type="checkbox"/> Flower: distribution of spots	throat only	throat and corolla lobes

Statistical Table

Organ/Plant Part: Context	'PARV01'	Medium white form
<input type="checkbox"/> Plant: height (cm)		

Mean	12.50	11.30
Std. Deviation	1.90	3.90
LSD/sig	3.94	ns
<input type="checkbox"/> Plant: width		
Mean	39.20	58.90
Std. Deviation	58.00	10.30
LSD/sig	10.76	P≤0.01
<input checked="" type="checkbox"/> Stem: length of internode (mm)		
Mean	5.93	12.70
Std. Deviation	1.20	3.00
LSD/sig	2.95	P≤0.01
<input type="checkbox"/> Stem: diameter of internode (mm)		
Mean	3.13	3.22
Std. Deviation	0.30	0.40
LSD/sig	0.46	ns
<input checked="" type="checkbox"/> Leaf blade: length (mm)		
Mean	27.90	45.70
Std. Deviation	2.90	6.10
LSD/sig	6.11	P≤0.01
<input checked="" type="checkbox"/> Leaf blade: width (mm)		
Mean	4.90	5.60
Std. Deviation	0.40	0.50
LSD/sig	0.57	P≤0.01
<input checked="" type="checkbox"/> Flower: diameter (mm)		
Mean	8.95	13.60
Std. Deviation	0.60	0.80
LSD/sig	0.93	P≤0.01
<input type="checkbox"/> Pedicel: length (mm)		
Mean	12.80	12.40
Std. Deviation	0.80	3.30
LSD/sig	3.12	ns

Prior Applications and Sales

Nil.

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

Details of Application

Application Number	2006/028
Variety Name	'Jocelyn's Pink'
Genus Species	<i>Cuphea hyssopifolia</i>
Common Name	False Heather
Synonym	Nil
Accepted Date	24 Mar 2006
Applicant	TC & JM Keogh, Victoria Point, QLD
Agent	Plants Management Australia Pty Ltd, Wonga Park, VIC
Qualified Person	Steve Eggleton

Details of Comparative Trial

Location	Wonga Park, VIC.
Descriptor	General Descriptor (for plant varieties with no descriptor available) PBR GEN DES.
Period	Jul 2008 to Dec 2008.
Conditions	Trial conducted in non heated poly house conditions, plants propagated and grown in 50mm tubes from Jul-Sep 2008. On the 19 Sep 2008 the tubes were potted and grown on in 140mm containers. Containers filled with soilless, pinebark based mix with controlled release fertilizers. Appropriate pest and disease treatments were applied as required.
Trial Design	Twelve pots of each variety in a completely randomised design.
Measurements	From ten plants randomly selected.
RHS Chart - edition	1995.

Origin and Breeding

Open pollination: occurred at Victoria Point, QLD in 2002 where the maternal parent *Cuphea hyssopifolia* 'Mad Hatter' was open pollinated. 1000 seeds were collected and sown. 300 seedlings germinated and were raised and grown to flowering maturity. Initial selections were made on the basis of flowers colour, shape and plant density. These seedlings were further grown until a final selection was made with the following selection criteria: Plant: density dense, habit bushy and Flower: colour starting as a deep pink and fading to a pale pink/violet (RHS Red-Purple Group). Propagation: via cuttings. This initial and numerous subsequent generations have all been found to be uniform and stable. Breeder: TC. & JM. Keogh, Victoria Point, 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	density	dense
Flower	colour	red-purple to purple
Plant	height	very short to short

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Little Hatter'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Mad Hatter'	plant height	very short to short	medium	Parental variety.
'Rob's Mauve'	plant density	dense	medium	

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	'Jocelyn's Pink'	'Little Hatter'
<input type="checkbox"/> Plant: growth habit	bushy	bushy
<input type="checkbox"/> Plant: height	very short to short	very short to short
<input type="checkbox"/> Stem: presence of hairs	present	present
<input type="checkbox"/> Leaf: glossiness of upper side	medium to strong	strong to very strong
<input type="checkbox"/> Leaf: presence of variegation	absent	absent

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Jocelyn's Pink'	'Little Hatter'
<input type="checkbox"/> Plant: density	dense	dense
<input checked="" type="checkbox"/> Petal venation: colour	pink	violet
<input type="checkbox"/> Petal: undulation of margin	strong	medium to strong
<input type="checkbox"/> Leaf: upper surface colour - mature (RHS colour chart)	green 137A	green 137A
<input type="checkbox"/> Leaf : shape	elliptic to ovate	elliptic to ovate
<input checked="" type="checkbox"/> Flower: colour at first opening (RHS colour chart)	red-purple 74A	purple 78A
<input checked="" type="checkbox"/> Flower: colour after pollen dehiscence (RHS colour chart)	red-purple 74C	purple 78C
<input checked="" type="checkbox"/> Flower: colour at full expansion (RHS colour chart)	red-purple 74B	purple 78B

Statistical Table

Organ/Plant Part: Context	'Jocelyn's Pink'	'Little Hatter'
<input type="checkbox"/> Flower: number fully expanded on last 10cm of terminal branch		
Mean	28.20	14.30
Std. Deviation	6.63	2.75
LSD/sig	6.65	P≤0.01

Prior Applications and Sales

Prior applications nil. First sold in Australia in Apr 2005.

Description: Steve Eggleton, Wonga Park, VIC.

Details of Application

Application Number	2008/180
Variety Name	'DPV308'
Genus Species	<i>Dianella prunina</i>
Common Name	Flax Lily
Synonym	Nil
Accepted Date	06 Aug 2008
Applicant	Ozbreed Pty Ltd, Clarendon, NSW
Agent	N/A
Qualified Person	Ian Paananen

Details of Comparative Trial

Location	Clarendon, NSW
Descriptor	Dianella (<i>Dianella</i>) PBR DIAN.
Period	Sep 2008-Dec 2008
Conditions	Trial conducted in open beds, plants propagated from cuttings, planted into 140mm pots filled with soilless potting mix, nutrition maintained with slow release and liquid fertilisers, irrigation by overhead watering, pest and disease treatments not required.
Trial Design	Fifteen pots of each variety arranged in a completely randomised design.
Measurements	From ten plants at random.
RHS Chart - edition	2007

Origin and Breeding

Spontaneous mutation: parent 'DP303'. The parent is characterised by an absence of leaf variegation. Selection took place in Tumbi Umbi, NSW in 2006. Selection criteria: presence of leaf variegation. Propagation: vegetative, micropropagation and division are found to be uniform and stable. Breeder: Greg Lowe, Tumbi Umbi, NSW. Final trial and evaluation was carried out at Clarendon, 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	height	short
Plant	growth habit	erect
Leaf	presence of variegation	present
Leaf	width	medium

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'DP303'	parent variety with similar growth habit

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	‘DPV308’	‘DP303’
<input type="checkbox"/> Plant: growth habit	erect	erect
<input type="checkbox"/> Plant: height	short	short
<input checked="" type="checkbox"/> Plant: density of shoots	medium	dense
<input type="checkbox"/> Stem: length of internodes	very short	very short
<input type="checkbox"/> Leaf: attitude	erect to semi-erect	erect to semi-erect
<input type="checkbox"/> Leaf: width	medium	medium
<input type="checkbox"/> Leaf: glaucosity of upper side	strong	strong
<input type="checkbox"/> Leaf: colour of upper side (waxiness removed) (RHS colour chart)	147A	147A
<input type="checkbox"/> Leaf: colour of lower side (waxiness removed) (RHS colour chart)	147A	147A
<input checked="" type="checkbox"/> Leaf: variegation	present	absent
<input checked="" type="checkbox"/> Leaf: secondary colour of upper side (variegated leaves only) (RHS colour chart)	155A to 11B	
<input type="checkbox"/> Leaf: shape of blade	ligulate	ligulate
<input type="checkbox"/> Leaf: shape of apex	apiculate	apiculate
<input type="checkbox"/> Leaf: cross-section	concave	concave
<input type="checkbox"/> Leaf: spines on lower side of midrib	present	present
<input type="checkbox"/> Leaf: prominence of spines on lower side of midrib	weak	weak
<input type="checkbox"/> Basal leaf sheath: anthocyanin colouration (in summer)	red-purple	red-purple
<input type="checkbox"/> Basal leaf sheath: intensity of anthocyanin colouration	strong	strong

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	‘DPV308’	‘DP303’
<input checked="" type="checkbox"/> Basal sheath: presence of variegation	present	absent

Statistical Table

Organ/Plant Part: Context	‘DPV308’	‘DP303’
<input type="checkbox"/> Leaf: width (mm)		
Mean	15.40	17.50
Std. Deviation	1.50	2.00
LSD/sig	2.01	ns

Prior Applications and Sales

Nil.

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

Details of Application

Application Number	2006/328
Variety Name	'Goetzpeg'
Genus Species	<i>Fuchsia</i> hybrid
Common Name	Fuchsia
Synonym	Peggy
Accepted Date	5 Mar 2008
Applicant	Wolfram Goetz, Hebrechtingen, Germany
Agent	Aussie Winners Pty Ltd, Redland Bay, QLD
Qualified Person	Ian Paananen

Details of Comparative Trial

Location	Macmasters Beach, NSW.
Descriptor	Fuchsia (<i>Fuchsia</i>) CPVO-TP/FUCHSIA/1
Period	Spring to summer 2006.
Conditions	Trial conducted in a shadehouse, plants propagated from cutting, rooted cuttings planted into 140mm pots filled with soilless potting mix, nutrition maintained with slow release and liquid fertilisers, capillary mat irrigation supplemented by overhead watering as required, pest and disease treatments applied as required.
Trial Design	Fifteen pots of each variety arranged in a completely randomised design.
Measurements	From ten plants at random.
RHS Chart - edition	2001

Origin and Breeding

Controlled pollination: seed parent '104/98' x pollen parent '327/97'. The seed parent is characterised by a weak salmon pink petal colour and a late flowering season and the pollen parent is characterised a medium floriferousness. Selection took place in Hebrechtingen, Germany in 1997. Selection criteria: earliness, compactness, suitability for patio & bedding use. Propagation: vegetative cuttings were found to be uniform and stable. Breeder: Wolfram Goetz, Hebrechtingen, Germany.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Sepal	colour	white
Petal	colour	pink
Plant	Time of beginning of flowering	medium

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Melba White/Lilac'	

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	'Goetzpeg'	'Melba White/Lilac'
<input type="checkbox"/> Plant: attitude of shoots	erect	erect to semi-erect
<input type="checkbox"/> Stem: anthocyanin colouration	absent	
<input checked="" type="checkbox"/> Leaf blade: length	medium to long	short to medium
<input checked="" type="checkbox"/> Leaf blade: width	broad	narrow to medium
<input type="checkbox"/> Leaf blade: variegation	absent	absent
<input type="checkbox"/> Leaf blade: colour of upper side	medium green	medium green
<input type="checkbox"/> Leaf blade: blistering	weak	weak
<input type="checkbox"/> Leaf blade: depth of incisions of margin	medium	medium
<input type="checkbox"/> Flower bud: length	short to medium	short to medium
<input type="checkbox"/> Flower bud: width	narrow to medium	narrow to medium
<input type="checkbox"/> Flower: type	single	single
<input type="checkbox"/> Ovary: anthocyanin colouration	absent	absent
<input type="checkbox"/> Hypanthium: shape	ventricose	ventricose
<input type="checkbox"/> Hypanthium: colour (RHS Colour Chart)	157D	157D
<input type="checkbox"/> Sepal: attitude	horizontal to semi-drooping	horizontal to semi-drooping
<input type="checkbox"/> Sepal: attitude of cusp	incurving	incurving
<input checked="" type="checkbox"/> Sepal: main colour of outer side (RHS Colour Chart)	157D with pink tinge and green apex	ca 155D
<input checked="" type="checkbox"/> Sepal: main colour of inner side (RHS Colour Chart)	157D with pink tinge and green apex	ca 155D
<input type="checkbox"/> Flower: width	medium	medium
<input checked="" type="checkbox"/> Petal: main colour of outer side (RHS Colour Chart)	54A	ca 82C
<input checked="" type="checkbox"/> Petal: main colour of inner side (RHS Colour Chart)	54A	ca 82C
<input type="checkbox"/> Filament: colour	pink	pink
<input type="checkbox"/> Style: colour	white	white
<input type="checkbox"/> Time of: beginning of flowering	medium	medium

Prior Applications and Sales

Country	Year	Current Status	Name Applied
EU	2002	Granted	'Goetzpeg'
USA	2003	Granted	'Goetzpeg'
South Africa	2004	Granted	'Goetzpeg'

First sold in EU in Jul 2003. First Australian sale in Jul 2006.

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

Details of Application

Application Number	2006/004
Variety Name	'AR37'
Genus Species	<i>Neotyphodium lolii</i>
Common Name	Fungal Endophyte
Synonym	Nil
Accepted Date	24-Mar-2006
Applicant	Grasslanz Technology Limited, Palmerston North, New Zealand
Agent	Griffith Hack, Brisbane, QLD
Qualified Person	Jennifer Ngaire James

Details of Comparative Trial

Overseas Testing Authority	New Zealand Plant Variety Rights Office
Overseas Data Reference Number	FEN007 (Grant No. 2715)
Location	New Zealand Fungal Herbarium (PDD), Landcare Research, Auckland New Zealand
Descriptor Period	<i>Neotyphodium lolii</i> (<i>Neotyphodium lolii</i>) PBR NEOT. 2007-2008
Conditions	Axenic cultures of 'AR37' and comparators 'AR1', 'NEA2', 'AR5', 'AR6' and standard 'wild type' <i>Neotyphodium</i> endophytes were grown on potato dextrose agar (PDA) at 20°C in darkness (Christensen et al. 1993).
Trial Design Measurements	Five replicates of each culture were grown for four weeks. Rate of growth Sporulation Sectoring Colour Shape Margin Texture Aerial mycelium Affect of benomyl on growth.
RHS Chart - edition	NIL

Origin and Breeding

Strain selection: The endophyte was characterised in a seed collection lacking detectable levels of lolitrems, ergovaline, or peramine in its original host plant. It was isolated into culture on potato dextrose agar and used to inoculate otherwise endophyte-free seedlings by established methods. It was shown that in these novel hosts it performed in similar fashion to the original host lacking lolitrems, ergovaline or peramine at levels which would be of bioactive significance. It has recently been indicated that it may produce trace levels of peramine well below that of other endophytes (e.g. 'AR1', 'AR542', or 'AR501') known to produce peramine. 'AR37' may be introduced into a range of perennial and hybrid ryegrasses by established procedures for inoculation of endophytes. It is transmitted through the seed and can maintain good viability when good seed storage practices for endophytes in general are applied. 'AR37' is maintained at AgResearch, Palmerston North both in cultures and seed/plant material. A reference sample is held and maintained at the Australian National Measurement Institute as part of patent application requirements under the Budapest Treaty on the International Recognition of the Deposit of Microorganisms for the Purpose of Patent Procedure. 'AR37' culture deposit NM03/35819 lodged with the Australian National Measurement Institute on 2nd Oct 2002.

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
Genus	species	<i>Neotyphodium lolii</i>

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'NEA2'	
'AR6'	
'AR5'	
'AR1'	
Ryegrass wild type	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics in Candidate Variety	State of Expression in Comparator Variety	State of Expression in Variety	Comments
'AR542'	Genus species <i>N. lolii</i>	<i>N. coenophialum</i>		Endophyte of festuca sp
'AR584'	Genus species <i>N. lolii</i>	<i>N. coenophialum</i>		Endophyte of festuca sp.

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	'AR37'	'AR1'	'AR5'	'AR6'	'NEA2'	Ryegrass wild type
<input type="checkbox"/> Colony: rate of growth	medium					
<input type="checkbox"/> Colony: sporulation	absent					
<input checked="" type="checkbox"/> Colony: sectoring	absent					present
<input type="checkbox"/> Colony: colour (upper surface)	brown					
<input checked="" type="checkbox"/> Colony : shape	convolute	brain-like		raised		
<input type="checkbox"/> Colony: immersion of margin in agar	immersed					
<input type="checkbox"/> Colony: texture	dry					
<input checked="" type="checkbox"/> Aerial mycelium: density	medium					sparse
<input type="checkbox"/> Aerial mycelium: type	felted					
<input type="checkbox"/> Colony: affect of benomyl on growth	medium to strong					
<input type="checkbox"/> Metabolite: peramine	absent					
<input type="checkbox"/> Metabolite:	absent					

lolitrem B

Metabolite: absent
ergovaline

Metabolite: present absent absent absent absent absent
Epoxyjanthitrem

Prior Applications and Sales

Country	Year	Current Status	Name Applied
New Zealand	2005	Granted	'AR37'

Prior sale nil.

Description: **Jeff E. Miller**, , Palmerston North, New Zealand.

Details of Application

Application Number	2007/320
Variety Name	'REDGAPI'
Genus Species	<i>Gaura</i> hybrid
Common Name	Gaura
Synonym	Nil
Accepted Date	17 Jan 2008
Applicant	E J Bunker, Redland Bay, QLD
Agent	Aussie Winners Pty Ltd, Redland Bay, QLD
Qualified Person	Deo Singh

Details of Comparative Trial

Location	Aussie Winners Pty Ltd, 191 Gordon Rd, Redland Bay, QLD 4165.
Descriptor	Gaura (<i>Gaura</i> spp.) PBR GAUR
Period	Jan – Dec 08.
Conditions	Twenty 140mm pots of each were grown under a hail-netting using the standard nursery practices.
Trial Design	Randomized complete block design.
Measurements	From five pots at random.
RHS Chart - edition	2000.

Origin and Breeding

Controlled pollination: 'Blushing Butterflies' (maternal parent) x *G. coccinea* (pollen parent) at Redland Bay, QLD, in spring 2004. Has gone through at least three generations without off types. Selection criteria: growth stability, clear flower colour and long flowering period. Propagation: by cuttings. Breeder: E J Bunker, Redland Bay, 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	growth habit	upright
Plant	height of foliage only	medium
Leaf blade	length	medium
Leaf blade	variegation	absent
Inflorescence	branching	absent
Petal	main colour	pink

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Blushing Butterflies'	A tall and sparse variety compared to the candidate.

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety
<i>G. coccinea</i> species	Flower colour	pink	white

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	‘REDGAPI’	‘Blushing Butterflies’
<input type="checkbox"/> Plant: growth habit	upright	upright
<input type="checkbox"/> Plant: height of foliage only	medium	medium
<input checked="" type="checkbox"/> Plant: height including flowers	short	tall
<input checked="" type="checkbox"/> Plant: density	dense	sparse
<input type="checkbox"/> Leaf blade: length	medium	medium
<input type="checkbox"/> Leaf blade: width at broadest part	medium	medium
<input type="checkbox"/> Leaf blade: presence of anthocyanin colouration (excluding spots)	present	present
<input checked="" type="checkbox"/> Leaf blade: intensity of anthocyanin colouration	weak	strong
<input type="checkbox"/> Leaf blade: main location of anthocyanin colouration	covering entire blade	covering entire blade
<input type="checkbox"/> Leaf blade: variegation	absent	absent
<input type="checkbox"/> Leaf blade: main colour of upper side (including anthocyanin colouration) (RHS colour chart)	146A	146B
<input type="checkbox"/> Leaf blade: secondary colour of upper side (including anthocyanin colouration) (RHS colour chart)	187A	187C
<input type="checkbox"/> Leaf blade: undulation of margin	strong	absent or weak to medium
<input type="checkbox"/> Inflorescence: presence of anthocyanin colouration of stem	present	present
<input checked="" type="checkbox"/> Inflorescence: intensity of anthocyanin colouration of stem	strong	weak
<input type="checkbox"/> Inflorescence: branching	absent	absent
<input checked="" type="checkbox"/> Inflorescence: change in flower colour over time	absent	present
<input type="checkbox"/> Flower bud: presence of anthocyanin colouration	present	present
<input type="checkbox"/> Flower bud: colour of anthocyanin colouration (RHS colour chart)	187D	187D
<input type="checkbox"/> Flower bud: distribution of anthocyanin colouration	greater than two thirds of length of bud	greater than two thirds of length of bud
<input type="checkbox"/> Petal: length	short to medium	medium to long
<input type="checkbox"/> Petal: width	narrow	medium to broad
<input type="checkbox"/> Petal: main colour	pink	pink
<input type="checkbox"/> Petal: presence of pinkish colouration	present	present
<input type="checkbox"/> Petal: intensity of pinkish colouration	very strong	medium
<input type="checkbox"/> Petal: distribution of pinkish colouration	greater than 2/3 of length of petal	greater than 2/3 of length of petal

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'REDGAPI'	'Blushing Butterflies'
<input checked="" type="checkbox"/> Petal: main colour (RHS)	63A	63C-D
<input checked="" type="checkbox"/> Root: anthocyanin colouration	strong	absent or very weak
<input checked="" type="checkbox"/> Root: thickness	thick	thin

Prior Applications and Sales

Country	Year	Current Status	Name Applied
Japan	2006	Applied	'REDGAPI'
New Zealand	2008	Applied	'REDGAPI'
EU	2006	Applied	'REDGAPI'

First sold in UK in 2005. First Australian sale Nov 2007.

Description: **Deo Singh**, Ormiston, QLD.

Details of Application

Application Number	2008/263
Variety Name	'Charlie's Angel'
Genus Species	<i>Grevillea alpina</i> x <i>Grevillea rosmarinifolia</i>
Common Name	Grevillea
Synonym	Nil
Accepted Date	23 Sep 2008
Applicant	Austraflora Pty Ltd, Dixons Creek, VIC
Agent	N/A
Qualified Person	Bill Molyneux

Details of Comparative Trial

Location	Cranbourne, VIC.
Descriptor	Grevillea (<i>Grevillea</i>) PBR GREV.
Period	2006 – Sep 2008 .
Conditions	Local conditions: open nursery situation. Plants watered by standard nursery stock methods. All plants were vegetatively propagated and 50mm tubes were potted into 150 mm pots in spring 2007, using a pine bark based 'Protea Mix' with controlled release low P fertiliser and with additional K being applied in liquid form in Nov 2007.
Trial Design	Ten pots each of the candidate and the comparator were aligned in a randomised pattern.
Measurements	Measurements from ten plants of each variety, with leaf samples being taken at the same point on stems with every plant.
RHS Chart - edition	1986.

Origin and Breeding

Seedling selection: ten plants of *Grevillea* 'Bonnie Prince Charlie' were isolated in a well ventilated Polyhouse in 1999 when buds were in early development stage. At anthesis pollen was removed and applied to the stigmas of other plants which were then bagged. Seed was collected and was sown in Spring 2000. Seedlings were tubed into a pine bark based tubing mix which included low levels of a low P controlled release fertiliser. Tubes were potted in spring 2001. In winter 2004 several plants were initially selected for further trialling, the candidate was one of these, and has been trialled at Faceys Nursery Cranbourne, VIC up until the lodgement of the PBR Part one application. Breeder: Bill Molyneux, Dixons Creek, 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
Plant	height	short
Flowering branch	position of inflorescence	terminal only
Inflorescence	length	short
Inflorescence	form	cylindrical
Perianth	colour	red
Inflorescence	predominant colour	red

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Bonnie Prince Charlie'	Selected as comparator as it was the breeding and maternal parent.

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety
'Jubilee'	Perianth colour	42A/B	41A
'Entree'	Perianth colour	42A/B	29B
'McDonald Park'	Plant height	short	medium
'Gold Rush'	Perianth colour	42A/B	17C

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	'Charlie's Angel'	'Bonnie Prince Charlie'
<input checked="" type="checkbox"/> Plant: growth habit	prostrate	upright
<input checked="" type="checkbox"/> Plant: attitude of branches	semi-erect to prostrate	erect to semi-erect
<input type="checkbox"/> Plant: height	short (< 1m)	short (< 1m)
<input type="checkbox"/> Plant: density (assessment of foliage at flowering)	dense	dense
<input checked="" type="checkbox"/> Young stem: colour	brown	greyed-orange
<input checked="" type="checkbox"/> Stem: colour	brown	greyed-orange
<input type="checkbox"/> Stem: hairiness	very weak	weak
<input type="checkbox"/> Petiole: length	very short	very short
<input type="checkbox"/> Leaf: length	very short (< 5cm)	very short (<5cm)
<input type="checkbox"/> Leaf: width at widest point	very narrow (< 5mm)	very narrow (< 5mm)
<input type="checkbox"/> Leaf: attitude to stem	semi-erect	erect to semi-erect
<input type="checkbox"/> Leaf: curvature of margin	flat or slightly recurved, under surface on either side of the mid-vein wholly exposed	flat or slightly recurved, under surface on either side of the mid-vein wholly exposed
<input checked="" type="checkbox"/> Leaf: colour of upper side (including hairs)	dark green	light green
<input type="checkbox"/> Leaf: colour of lower side (including hairs)	light green	light green
<input type="checkbox"/> Leaf: degree of hairiness on upper side	very weak	weak
<input type="checkbox"/> Leaf: degree of hairiness on lower side	medium	medium
<input type="checkbox"/> Leaf: colour of hairiness on lower side	white	white
<input type="checkbox"/> Leaf: undulation of margin	very weak to weak	weak to medium
<input type="checkbox"/> Leaf: division of blade	all leaves on plant entire	all leaves on plant entire
<input type="checkbox"/> Leaf: shape of apex outline (varieties with division of blade absent only)	mucronate	mucronate

<input type="checkbox"/>	Flowering branch: position of inflorescence	terminal only	terminal only
<input type="checkbox"/>	Inflorescence: length	very short to short	very short
<input type="checkbox"/>	Inflorescence: width	narrow to medium	medium
<input type="checkbox"/>	Inflorescence: predominant colour	red	red
<input type="checkbox"/>	Inflorescence: density of florets	very dense	dense
<input type="checkbox"/>	Inflorescence: number of flowers	many	medium to many
<input type="checkbox"/>	Inflorescence: attitude	horizontal	horizontal to semi-drooping
<input type="checkbox"/>	Inflorescence: form	cylindrical	cylindrical
<input type="checkbox"/>	Inflorescence: branching	absent or very weak	absent or very weak
<input type="checkbox"/>	Inflorescence: sequence of opening of the flowers	centrifugal	centrifugal
<input type="checkbox"/>	Rachis: length	short	short
<input type="checkbox"/>	Bud: colour of perianth	green	green
<input type="checkbox"/>	Bud: colour of limb	green	green
<input type="checkbox"/>	Bud: attitude of limb in relation to longitudinal axis of bud (late bud prior to anthesis)	drooping	drooping
<input checked="" type="checkbox"/>	Flower: attitude of pedicel in relation to rachis	perpendicular	leaning towards inflorescence
<input type="checkbox"/>	Flower: length of pedicel	medium	medium
<input type="checkbox"/>	Perianth: colour	red	red
<input type="checkbox"/>	Perianth: degree of hairiness (outside of perianth including limb)	absent or very weak	absent or very weak
<input type="checkbox"/>	Perianth: coherence of tepals on dorsal side	less than one third	one third to two thirds
<input type="checkbox"/>	Perianth: coherence of tepals on ventral side	less than one third	greater than two thirds
<input type="checkbox"/>	Tepal: flanging at margin	weak	weak
<input checked="" type="checkbox"/>	Nectary: colour	yellow	white
<input type="checkbox"/>	Ovary: colour	white	white
<input type="checkbox"/>	Ovary: hairiness	very strong	very strong
<input checked="" type="checkbox"/>	Style: colour	pink	yellow
<input type="checkbox"/>	Style: curvature (after anthesis before dehiscence of perianth)	gently curved	gently curved
<input type="checkbox"/>	Style: position of curve	top half	top half
<input type="checkbox"/>	Style: hairiness	medium	medium
<input type="checkbox"/>	Style: position of hairs	evenly distributed along length	evenly distributed along length

<input type="checkbox"/>	Pistil: length	short to medium	medium
<input type="checkbox"/>	Pistil: length in relation to length of perianth	much longer	much longer
<input checked="" type="checkbox"/>	Stigma: colour	orange	green
<input checked="" type="checkbox"/>	Pollen presenter: attitude to style	oblique	lateral
<input checked="" type="checkbox"/>	Pollen presenter: colour	orange	green
<input checked="" type="checkbox"/>	Pollen presenter: concurrence with style	present	absent
<input type="checkbox"/>	Pollen presenter: shape	flat	flat
<input type="checkbox"/>	Pollen: colour	yellow	yellow

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	‘Charlie’s Angel’	‘Bonnie Prince Charlie’
<input checked="" type="checkbox"/> Leaf: colour of upper side (RHS)	139A	137A
<input type="checkbox"/> Leaf: colour of lower side(RHS)	138B	138B
<input checked="" type="checkbox"/> Style: colour (RHS)	46A	45A
<input type="checkbox"/> Perianth: colour (RHS)	42A-B	42A
<input checked="" type="checkbox"/> Stem: length of internode	medium	short

Statistical Table

Organ/Plant Part: Context	‘Charlie’s Angel’	‘Bonnie Prince Charlie’
<input checked="" type="checkbox"/> Leaf : length (mm)		
Mean	33.63	43.42
Std. Deviation	2.70	3.50
LSD/sig	4.03	P≤0.01
<input type="checkbox"/> Leaf : width (mm)		
Mean	4.59	4.83
Std. Deviation	0.24	0.58
LSD/sig	0.57	ns
<input checked="" type="checkbox"/> Perianth: width (mm)		
Mean	6.68	5.86
Std. Deviation	0.58	0.43
LSD/sig	0.65	P≤0.01
<input type="checkbox"/> Pistil: length (mm)		
Mean	21.16	24.23
Std. Deviation	3.55	0.97
LSD/sig	3.35	ns

Prior Applications and Sales

Nil

Description: **Bill Molyneux**, Dixons Creek, VIC.

Details of Application

Application Number	2007/123
Variety Name	'Entrée'
Genus Species	<i>Grevillea rosmarinifolia</i> x <i>Grevillea alpina</i>
Common Name	Grevillea
Synonym	Nil
Accepted Date	4 Jun 2007
Applicant	Austraflora Pty Ltd, Dixons Creek, VIC
Agent	Bill Molyneux, Dixons Creek, VIC
Qualified Person	Bill Molyneux

Details of Comparative Trial

Location	Cranbourne, VIC.
Descriptor	Grevillea (<i>Grevillea</i>) PBR GREV.
Period	Spring 2007-Jul 2008.
Conditions	Local conditions: open nursery situation. Plants watered by standard nursery stock methods. All plants were vegetatively propagated and 50mm tube stock was potted into 150 mm pots in late spring 2007, using a pine bark based 'protea mix' with controlled release low P fertiliser.
Trial Design	Twelve pots each of the candidate and the comparator were aligned in a randomised pattern.
Measurements	Measurements were made of ten samples taken from the same point on stems from every plant.
RHS Chart - edition	1986.

Origin and Breeding

Seedling selection: Four plants of *Grevillea* 'Jubilee' were isolated in a ventilated glass house in winter 2002 and following flowering in late winter-spring seed was collected from all plants and sown in summer 2002. Six seedlings which resulted were potted in autumn 2003. Flowering occurred in winter-spring 2005 and the candidate was the first selection for trialling. It has been grown by vegetative propagation for five generations. Breeder: Bill Molyneux, Dixons Creek, 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
Plant	growth habit	upright
Plant	height	short
Flowering branch	position of inflorescence	terminal only
Inflorescence	length	short
Inflorescence	form	cylindrical
Perianth	colour	orange
Inflorescence	predominant colour	yellow
Style	colour	orange

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Jubilee'	parental 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	‘Entrée’	‘Jubilee’
<input type="checkbox"/> Plant: growth habit	upright	upright
<input type="checkbox"/> Plant: attitude of branches	erect to semi-erect	erect to semi-erect
<input type="checkbox"/> Plant: height	short (< 1m)	short (< 1m)
<input type="checkbox"/> Plant: density (assessment of foliage at flowering)	dense	medium to dense
<input type="checkbox"/> Young stem: colour	greyed green	greyed green
<input type="checkbox"/> Stem: colour	greyed green	greyed green
<input type="checkbox"/> Stem: hairiness	weak	
<input type="checkbox"/> Petiole: length	very short	very short
<input type="checkbox"/> Leaf: length	very short (< 5cm)	very short (< 5cm)
<input type="checkbox"/> Leaf: width at widest point	very narrow (< 5mm)	very narrow (< 5mm)
<input type="checkbox"/> Leaf: attitude to stem	erect to semi-erect	erect to semi-erect
<input type="checkbox"/> Leaf: curvature of margin	smoothly recurved, under surface on either side of the mid-vein partly exposed	smoothly recurved, under surface on either side of the mid-vein partly exposed
<input type="checkbox"/> Leaf: colour of upper side (including hairs)	dark green	dark green
<input type="checkbox"/> Leaf: colour of lower side (including hairs)	dark green	medium green
<input type="checkbox"/> Leaf: degree of hairiness on upper side	medium	very weak
<input type="checkbox"/> Leaf: degree of hairiness on lower side	medium	very weak
<input type="checkbox"/> Leaf: colour of hairiness on lower side	white	white
<input type="checkbox"/> Leaf: undulation of margin	strong	Weak
<input type="checkbox"/> Leaf: division of blade	all leaves on plant entire	all leaves on plant entire
<input type="checkbox"/> Leaf: shape of blade outline (varieties with division of blade absent only)	linear	linear
<input type="checkbox"/> Flowering branch: position of inflorescence	terminal only	terminal only
<input type="checkbox"/> Inflorescence: length	short	short
<input type="checkbox"/> Inflorescence: width	medium to broad	medium to broad
<input type="checkbox"/> Inflorescence: predominant colour	yellow	yellow
<input type="checkbox"/> Inflorescence: density of florets	dense	dense
<input type="checkbox"/> Inflorescence: number of flowers	medium to many	medium to many
<input type="checkbox"/> Inflorescence: attitude	drooping	drooping
<input type="checkbox"/> Inflorescence: form	cylindrical	cylindrical
<input type="checkbox"/> Inflorescence: branching	weak	weak

<input type="checkbox"/>	Inflorescence: sequence of opening of the flowers	centrifugal	centrifugal
<input type="checkbox"/>	Rachis: length	short	short
<input type="checkbox"/>	Bud: colour of perianth	orange	orange
<input checked="" type="checkbox"/>	Bud: colour of limb	yellow	orange
<input type="checkbox"/>	Bud: attitude of limb in relation to longitudinal axis of bud (late bud prior to anthesis)	drooping	drooping
<input type="checkbox"/>	Flower: attitude of pedicel in relation to rachis	leaning away from inflorescence peduncle	leaning away from inflorescence peduncle
<input type="checkbox"/>	Flower: length of pedicel	medium	medium
<input type="checkbox"/>	Perianth: colour	orange	orange
<input type="checkbox"/>	Perianth: degree of hairiness (outside of perianth including limb)	medium	absent or very weak
<input type="checkbox"/>	Perianth: colour of hairs	white	white
<input type="checkbox"/>	Perianth: length	medium	medium
<input type="checkbox"/>	Perianth: width	broad	broad
<input type="checkbox"/>	Perianth: ratio length/width	medium	medium
<input type="checkbox"/>	Perianth: coherence of tepals on dorsal side	less than one third	less than one third
<input type="checkbox"/>	Perianth: coherence of tepals on ventral side	less than one third	less than one third
<input type="checkbox"/>	Tepal: flanging at margin	weak	weak
<input type="checkbox"/>	Nectary: colour	white	white
<input type="checkbox"/>	Ovary: colour	green	green
<input checked="" type="checkbox"/>	Ovary: hairiness	medium	weak
<input type="checkbox"/>	Style: colour	orange	orange
<input type="checkbox"/>	Style: curvature (after anthesis before dehiscence of perianth)	gently curved	gently curved
<input type="checkbox"/>	Style: position of curve	top half	top half
<input type="checkbox"/>	Style: hairiness	medium	weak
<input type="checkbox"/>	Style: position of hairs	evenly distributed along length	concentrated towards ovary end
<input type="checkbox"/>	Pistil: length	medium	medium
<input type="checkbox"/>	Pistil: length in relation to length of perianth	much longer	much longer
<input checked="" type="checkbox"/>	Stigma: colour	green	orange
<input type="checkbox"/>	Pollen presenter: attitude to style	lateral	lateral
<input type="checkbox"/>	Pollen presenter: colour	orange	orange
<input type="checkbox"/>	Pollen presenter: concurrence with style	absent	absent
<input type="checkbox"/>	Pollen presenter: shape	flat	flat

<input type="checkbox"/>	Pollen: colour	yellow	yellow
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Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	‘Entrée’	‘Jubilee’
<input checked="" type="checkbox"/> Leaf: glossiness	dull	glossy
<input checked="" type="checkbox"/> Juvenile bud: texture	sericeous, dull	glabrous, glossy
<input type="checkbox"/> Leaf: colour of upper side (RHS)	137C	137B
<input type="checkbox"/> Leaf: colour of lower side(RHS)	138B	138C
<input checked="" type="checkbox"/> Style: colour (RHS)	48A	47A
<input checked="" type="checkbox"/> Perianth: colour (RHS)	29B	41A
<input checked="" type="checkbox"/> Bud: colour of mid rib (RHS)	12B	33A

Statistical Table

Organ/Plant Part: Context	‘Entrée’	‘Jubilee’
<input checked="" type="checkbox"/> Leaf : length (mm)		
Mean	36.84	23.76
Std. Deviation	1.69	3.02
LSD/sig	3.15	P≤0.01
<input type="checkbox"/> Leaf : width (mm)		
Mean	3.13	3.45
Std. Deviation	0.32	0.78
LSD/sig	0.77	ns

Prior Applications and Sales

Prior applications nil. First sold in Australia in May 2006.

Description: **Bill Molyneux**, Dixons Creek, VIC.

Details of Application

Application Number	2002/331
Variety Name	'Safeguard'
Genus Species	<i>Lolium</i> hybrid
Common Name	Hybrid Short-Lived Ryegrass
Synonym	Nil
Accepted Date	6 Feb 2004
Applicant	Minister for Agriculture, Food and Fisheries, Adelaide, SA
Agent	Valley Seeds Pty Ltd, Alexandra, VIC
Qualified Person	Anthony Leddin

Details of Comparative Trial

Location	Yambuk, VIC
Descriptor	Ryegrass (<i>Lolium</i> spp.) TG/4/7.
Period	20 Mar 08-15 Dec 08.
Conditions	Trial conducted under normal field conditions.
Trial Design	Randomised block.
Measurements	Days to flowering from sowing; Flag leaf: length, width; Plant: height at flowering. Sixty measurements per variety
RHS Chart - edition	Nil

Origin and Breeding

Controlled pollination: The first crosses between 'Guard' and 'Progrow' were made in 1990. In 1993, selected vigorous plants from this cross and 'Guard' were crossed with an early flowering ecotype from Wongan Hills, WA (WA 656). Two thousand plants were established from these crosses, and the 20 most vigorous plants, which had no nematode galls and reached head emergence 3 to 4 weeks before 'Guard', were selected. Eleven came from 'Guard' x WA early flowering crosses, and nine from 'Guard' x 'Progrow' x WA early flowering. The 20 plants selected in 1994 were crossed to produce seed which was used to establish 800 plants in January 1995; from these 349 early flowering plants were selected. The selected plants were cloned and crossed with Annual Ryegrass Toxicity (ARGT) susceptible early flowering plants from WA, 280 produced sufficient seed for genetic studies to determine if they were homozygous for both ARGT nematode resistance genes. The 280 clones were also maintained in growth rooms for controlled crossing when the homozygous ARGT nematode resistant plants had been identified. During the winter of 1995, 20 seedlings per cross were established from 226 clones, 15 from an additional 20 crosses and 10 from another 13 crosses. Seed from some crosses could not be germinated due to dormancy. Gall production on the progeny was assessed in spring and this enabled 15 homozygous clones to be identified. These were screened against CCN. Eleven resistant plants were identified and grouped for crossing by heading date and plant morphology to produce 9 lines. From these lines, line 3 performed well in the growth room and in the field at Valley Seeds in 1997. Line 3 was derived from crosses between 'Guard', 'Progrow' and early flowering rye grass from WA. This line was later released as 'Safeguard'. Selection criteria: early heading date, ARGT resistance. Propagation: seed. Breeder: Dr. Alan McKay.

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	ploidy	diploid
Plant	tendency to form inflorescence in year of sowing	very strong

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Guard'	Parent
'Progrow'	Parent

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
WA 656	Plant Annual Ryegrass Toxicity (ARGT) resistance	resistant	susceptible	Early flowering ecotype from WA

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	'Safeguard'	'Guard'	'Progrow'
<input type="checkbox"/> *Plant: ploidy	diploid	diploid	diploid
<input type="checkbox"/> Plant: growth habit in autumn	medium to semi-prostrate	medium	semi-erect to medium
<input type="checkbox"/> Plant: tendency to form inflorescence in year of sowing	very strong	very strong	very strong
<input checked="" type="checkbox"/> *Plant: time of inflorescence emergence in year of sowing	very early	early to medium	medium to late
<input type="checkbox"/> *Leaf: colour	medium green to dark green	medium green to dark green	light green to medium green
<input type="checkbox"/> Plant: growth habit in spring	medium to semi-prostrate	medium	semi-erect to medium
<input checked="" type="checkbox"/> Plant: natural height in spring	short	medium	tall
<input checked="" type="checkbox"/> Plant: natural height at inflorescence emergence	low	medium	tall
<input type="checkbox"/> *Flag leaf: length	short	medium	long
<input type="checkbox"/> *Flag leaf: width	very narrow to narrow	narrow to medium	medium to broad
<input checked="" type="checkbox"/> *Stem: length of longest stem	short	medium	long
<input checked="" type="checkbox"/> Inflorescence: length	short	short to medium	long
<input checked="" type="checkbox"/> Inflorescence: number of spikelets	few to medium	medium	medium to many

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Safeguard'	'Guard'	'Progrow'
<input checked="" type="checkbox"/> Plant: Annual Ryegrass Toxicity (ARGT) resistance	resistant	resistant	susceptible

Statistical Table

Organ/Plant Part: Context	'Safeguard'	'Guard'	'Progrow'
<input checked="" type="checkbox"/> Plant: time of inflorescence emergence in year of sowing (50% flowering from days of sowing)			
Mean	135.20	154.20	172.00
Std. Deviation	4.24	2.94	3.02
LSD/sig	6.75	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Plant: natural height at inflorescence emergence (mm)			
Mean	624.00	774.00	1114.00
Std. Deviation	151.07	140.02	111.5
LSD/sig	80.5	P≤0.01	P≤0.01
<input type="checkbox"/> Flag leaf: length (mm)			
Mean	167.30	174.20	228.70
Std. Deviation	43.90	37.14	49.88
LSD/sig	18.1	ns	P≤0.01
<input type="checkbox"/> Flag leaf: width (mm)			
Mean	8.61	9.24	9.48
Std. Deviation	1.69	1.59	1.76
LSD/sig	0.809	ns	P≤0.01

Prior Applications and Sales

Prior applications nil. First sold in Australia in May 2001.

Description: **Anthony Leddin**, Valley Seeds, Port Fairy, VIC.

Details of Application

Application Number	2008/064
Variety Name	'youmethree'
Genus Species	<i>Hydrangea macrophylla</i>
Common Name	Hydrangea
Synonym	Emotion
Accepted Date	20 May 2008
Applicant	Ryoji Irie, Kyoto, Japan
Agent	Plants Management Australia Pty Ltd, Dodges Ferry, TAS
Qualified Person	Steve Eggleton

Details of Comparative Trial

Location	Wonga Park, VIC.
Descriptor	Hydrangea.
Period	2008.
Conditions	Trial conducted in non heated shade house. Plants propagated from cuttings, grown on and transplanted to final 200mm container size throughout 2008 until flowering maturity in December. Pots filled with soilless, pinebark based mix with controlled release fertilizers and a pH of 5.1. Appropriate pest and disease treatments were applied as required.
Trial Design	Twelve pots of each variety in a completely randomised design.
Measurements	From ten plants randomly selected.
RHS Chart - edition	1995.

Origin and Breeding

Controlled pollination: between May 1990 and May 1993 the breeder began a program with the aims of breeding a range of double-flowered Hydrangeas, having two or more whorls of sepals per flower in Kyoto, Japan. *Hydrangea macrophylla* 'Yamaajisai', 'Otafuka' and 'Fijinishiritaki' (non protected varieties) were pollinated with each other. A generation from these crosses was then raised. One plant was selected as the female parent to be crossed with the pollen parent *H. macrophylla* 'Sumidanohanabi' in 1993. From this pollination 35 plants were raised and in 1994. A selection was made on the basis of average number of sepals more than seven, inflorescence density of flowers with small calyx dense and large calyx diameter large to very large. 'Youmethree' has remained uniform and stable through all subsequent generations. Propagation is via cuttings. Breeder: Ryoji Irie, Kyoto, Japan.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	growth habit	upright
Leaf blade	variegation	absent
Inflorescence	conspicuousness of flowers with small calyx	conspicuous
Inflorescence	shape	flattened
Large calyx	overlapping of sepals	present
Large calyx	degree of overlapping of sepals	very strong
Large calyx	number of sepals	more than 7

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'RIE01'	
'RIE02'	
'RIE09'	
'youmefour'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Sumidanohanabi'	inflorescence density of flowers with small calyx	dense	sparse	Parental 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	'youmethree'	'RIE01'	'RIE02'	'RIE09'	'youmefour'
<input type="checkbox"/> *Plant: growth habit	upright	upright	upright	upright	upright
<input checked="" type="checkbox"/> Plant: natural height (non-climbing varieties only)	medium to tall	medium	short to medium	medium	medium
<input checked="" type="checkbox"/> Leaf blade: length	medium to long	medium	short	medium	short to medium
<input type="checkbox"/> *Leaf blade: main colour	green	green	green	green	green
<input type="checkbox"/> Leaf blade: intensity of main colour	medium	dark	dark	dark	medium to dark
<input type="checkbox"/> *Leaf blade: variegation	absent	absent	absent	absent	absent
<input type="checkbox"/> Leaf blade: glossiness of upper side	absent	absent	absent	absent	absent
<input checked="" type="checkbox"/> *Leaf blade: shape	ovate	circular	circular	ovate	ovate
<input type="checkbox"/> *Leaf blade: shape of apex	acuminate	acuminate	acuminate	acuminate	acuminate
<input checked="" type="checkbox"/> Leaf blade: shape of base	acute	obtuse	obtuse	acute	obtuse
<input type="checkbox"/> Leaf blade: lobing	present	present	present	present	present
<input checked="" type="checkbox"/> Leaf blade: type of incisions	fine to medium	medium to coarse	medium	fine to medium	medium
<input checked="" type="checkbox"/> *Inflorescence: diameter	large	large to very large	medium	medium	large to very large

<input type="checkbox"/> *Inflorescence: conspicuousness of flowers with small calyx	conspicuous	conspicuous	conspicuous	conspicuous	conspicuous
<input checked="" type="checkbox"/> Inflorescence: arrangement of flowers with large calyx (varieties with conspicuous flowers with small calyx only)	in one circle	irregular	irregular	irregular	irregular
<input type="checkbox"/> *Inflorescence: shape	flattened	flattened	flattened	flattened	flattened
<input checked="" type="checkbox"/> *Large calyx: diameter	large to very large	large	large	medium	medium
<input type="checkbox"/> *Large calyx: colouration	weak to medium	medium	medium to strong	medium	strong
<input checked="" type="checkbox"/> *Large calyx: colour (RHS colour chart)	blue 100D	blue 106 C+D	blue 100C+D	violet-blue 97A + Purple 76A	violet-blue 97B
<input type="checkbox"/> *Large calyx: overlapping of sepals	present	present	present	present	present
<input type="checkbox"/> *Large calyx: degree of overlapping of sepals	very strong	very strong	very strong	very strong	very strong
<input checked="" type="checkbox"/> *Large calyx: incisions of margin of sepals	present on some sepals	present on some sepals	present on some sepals	absent on all sepals	absent on all sepals
<input type="checkbox"/> Large calyx: shape of incisions of margin of sepals	serrate	serrate	serrate		
<input type="checkbox"/> Small calyx: intensity of colouration (varieties with conspicuous flowers with small calyx only)	strong	strong	strong	weak	strong
<input type="checkbox"/> Flower with small calyx: intensity of colouration of anthers (varieties with conspicuous flowers with small calyx only)	weak	weak	weak	weak	weak
<input type="checkbox"/> *Time of: beginning of flowering	medium	medium	medium	medium	medium

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'youmethree'	'RIE01'	'RIE02'	'RIE09'	'youmefour'
<input checked="" type="checkbox"/> Large calyx: shape of apex of sepals	obtuse	acute	obtuse	acute	acute
<input type="checkbox"/> Large calyx: number of sepals	more than 7	more than 7	more than 7	more than 7	more than 7
<input type="checkbox"/> Inflorescence: density of flowers with small calyx	dense			dense	

Statistical Table

Organ/Plant Part: Context	'youmethree'	'RIE01'	'RIE02'	'RIE09'	'youmefour'
<input checked="" type="checkbox"/> Inflorescence: number of sepals					
Mean	16.80	13.90	14.70	13.90	15.50
Std. Deviation	0.92	1.20	0.94	1.10	1.35
LSD/sig	1.19	P≤0.01	P≤0.01	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Inflorescence: width of calyx (largest flower) (mm)					
Mean	80.30	60.50	64.80	55.00	51.90
Std. Deviation	3.90	5.60	4.10	4.60	5.40
LSD/sig	4.5	P≤0.01	P≤0.01	P≤0.01	P≤0.01

Prior Applications and Sales

Country	Year	Current Status	Name Applied
Canada	2005	Applied	'youmethree'
EU	2003	Granted	'youmethree'
USA	2004	Granted	'RIE03'

First sold in The Netherlands in Mar 2004. First Australian sale Nov 2007.

Description: **Steve Eggleton**, Wonga Park, VIC.

Details of Application

Application Number	2008/063
Variety Name	'RIE 02'
Genus Species	<i>Hydrangea macrophylla</i>
Common Name	Hydrangea
Synonym	Eternity
Accepted Date	20 May 2008
Applicant	Ryoji Irie, Kyoto, Japan
Agent	Plants Management Australia Pty Ltd, Dodges Ferry, TAS
Qualified Person	Steve Eggleton

Details of Comparative Trial

Location	Wonga Park, VIC.
Descriptor	Hydrangea (<i>Hydrangea</i>) TG/133/3.
Period	2008
Conditions	Trial conducted in non heated shade house. Plants propagated from cuttings, grown on and transplanted to final 200mm container size throughout 2008 until flowering maturity in Dec. Pots filled with soilless, pinebark based mix with controlled release fertilizers and a pH of 5.1. Appropriate pest and disease treatments were applied as required Twelve pots of each variety in a completely randomised design.
Trial Design	Twelve pots of each variety in a completely randomised design.
Measurements	From ten plants randomly selected.
RHS Chart - edition	1995.

Origin and Breeding

Controlled pollination: between May 1990 and May 1993 the breeder began a program with the aims of breeding a range of double-flowered Hydrangeas, having two or more whorls of sepals per flower in Kyoto, Japan. *Hydrangea macrophylla* 'Yamaajisai', 'Otafuka' and 'Fijinishiritaki' (non protected varieties) were pollinated with each other. A generation from these crosses was then raised. One plant was selected as the female parent to be crossed with the pollen parent *H. macrophylla* 'Sumidanohanabi' in 1993. From this pollination 35 plants were raised and in 1994. A selection was made on the basis of average number of sepals more than seven, sepal shape of apex obtuse and inflorescence diameter medium. 'RIE02' has remained uniform and stable through all subsequent generations. Propagation: via cuttings. Breeder: Ryoji Irie, Kyoto, Japan.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	growth habit	upright
Leaf blade	variegation	absent
Inflorescence	conspicuousness of flowers with small calyx	conspicuous
Inflorescence	shape	flattened
Large calyx	overlapping of sepals	present
Large calyx	degree of overlapping of sepals	very strong
Large calyx	number of sepals	more than 7

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'RIE01'	
'youmefour'	
'youmethree'	
'RIE09'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Sumidanohanabi'	inflorescence arrangement of flowers with large calyx (varieties with conspicuous flowers with small calyx only)	irregular	in one circle	parental 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	'RIE 02'	'RIE01'	'RIE09'	'youmefour'	'youmethree'
<input type="checkbox"/> *Plant: growth habit	upright	upright	upright	upright	upright
<input checked="" type="checkbox"/> Plant: natural height (non-climbing varieties only)	short to medium	medium	medium	medium	medium to tall
<input checked="" type="checkbox"/> Leaf blade: length	short	medium	medium	short to medium	medium to long
<input type="checkbox"/> *Leaf blade: main colour	green	green	green	green	green
<input type="checkbox"/> Leaf blade: intensity of main colour	dark	dark	dark	medium to dark	medium
<input type="checkbox"/> *Leaf blade: variegation	absent	absent	absent	absent	absent
<input type="checkbox"/> Leaf blade: glossiness of upper side	absent	absent	absent	absent	absent
<input checked="" type="checkbox"/> *Leaf blade: shape	circular	circular	ovate	ovate	ovate
<input type="checkbox"/> *Leaf blade: shape of apex	acuminate	acuminate	acuminate	acuminate	acuminate
<input checked="" type="checkbox"/> Leaf blade: shape of base	obtuse	obtuse	acute	obtuse	acute
<input type="checkbox"/> Leaf blade: lobing	present	present	present	present	present
<input type="checkbox"/> Leaf blade: type of incisions	medium	medium to coarse	fine to medium	medium	fine to medium

<input checked="" type="checkbox"/> *Inflorescence: diameter	medium	large to very large	medium	large to very large	large
<input type="checkbox"/> *Inflorescence: conspicuousness of flowers with small calyx	conspicuous	conspicuous	conspicuous	conspicuous	conspicuous
<input type="checkbox"/> Inflorescence: arrangement of flowers with large calyx (varieties with conspicuous flowers with small calyx only)	irregular	irregular	irregular	irregular	in one circle
<input type="checkbox"/> *Inflorescence: shape	flattened	flattened	flattened	flattened	flattened
<input type="checkbox"/> *Large calyx: diameter	large	large	medium	medium	large to very large
<input checked="" type="checkbox"/> *Large calyx: colouration	medium to strong	medium	medium	strong	weak to medium
<input checked="" type="checkbox"/> *Large calyx: colour (RHS colour chart)	Blue 100C + D	Blue 106 C+D	Violet-Blue 97A + Purple 76A	Violet-Blue 97B	Blue 100D
<input type="checkbox"/> *Large calyx: overlapping of sepals	present	present	present	present	present
<input type="checkbox"/> *Large calyx: degree of overlapping of sepals	very strong	very strong	very strong	very strong	very strong
<input checked="" type="checkbox"/> *Large calyx: incisions of margin of sepals	present on some sepals	present on some sepals	absent on all sepals	absent on all sepals	present on some sepals
<input type="checkbox"/> Large calyx: shape of incisions of margin of sepals	serrate	serrate			serrate
<input checked="" type="checkbox"/> Small calyx: intensity of colouration (varieties with conspicuous flowers with small calyx only)	strong	strong	weak	strong	strong
<input type="checkbox"/> Flower with small calyx: intensity of colouration of anthers (varieties with conspicuous flowers with small calyx only)	weak	weak	weak	weak	weak
<input type="checkbox"/> *Time of: beginning of flowering	medium	medium	medium	medium	medium

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'RIE 02'	'RIE01'	'RIE09'	'youmefour'	'youmethree'
<input checked="" type="checkbox"/> Large calyx: shape of apex of sepals	obtuse	acute	acute	acute	obtuse
<input type="checkbox"/> Large calyx: number of sepals	more than 7	more than 7	more than 7	more than 7	more than 7

Statistical Table

Organ/Plant Part: Context	'RIE 02'	'RIE01'	'RIE09'	'youmefour'	'youmethree'
<input checked="" type="checkbox"/> Inflorescence: number of sepals					
Mean	14.70	13.90	13.90	15.50	16.80
Std. Deviation	0.94	1.20	1.10	1.35	0.92
LSD/sig	1.19	ns	ns	ns	P≤0.01
<input checked="" type="checkbox"/> Inflorescence: width of calyx (largest flower) (mm)					
Mean	64.80	60.50	55.00	51.90	80.30
Std. Deviation	4.10	5.60	4.60	5.40	3.90
LSD/sig	4.5	ns	P≤0.01	P≤0.01	P≤0.01

Prior Applications and Sales

Country	Year	Current Status	Name Applied
EU	2007	Granted	'RIE 02'
USA	2004	Granted	'RIE 02'
Canada	2005	Applied	'Youmetwo'

First sold in The Netherlands in Mar 2004. First Australian sale Nov 2007.

Description: **Steve Eggleton**, Wonga Park, VIC.

Details of Application

Application Number	2008/062
Variety Name	'RIE 09'
Genus Species	<i>Hydrangea macrophylla</i>
Common Name	Hydrangea
Synonym	Romance
Accepted Date	20 May 2008
Applicant	Ryoji Irie, Kyoto, Japan
Agent	Plants Management Australia Pty Ltd, Dodges Ferry, TAS
Qualified Person	Steve Eggleton

Details of Comparative Trial

Location	Wonga Park, VIC
Descriptor	Hydrangea (<i>Hydrangea</i>) TG/133/3.
Period	2008.
Conditions	Trial conducted in non heated shade house. Plants propagated from cuttings, grown on and transplanted to final 200mm container size throughout 2008 until flowering maturity in Dec. Pots filled with soilless, pinebark based mix with controlled release fertilizers and a pH of 5.1. Appropriate pest and disease treatments were applied as required.
Trial Design	Twelve pots of each variety in a completely randomised design.
Measurements	From ten plants randomly selected.
RHS Chart - edition	1995.

Origin and Breeding

Controlled Pollination: between May 1990 and May 1993 the breeder began a program with the aims of breeding a range of double-flowered Hydrangeas, having two or more whorls of sepals per flower in Kyoto, Japan. *Hydrangea macrophylla* 'Yamaajisai', 'Otafuka' and 'Fijinishiritaki' (non protected varieties) were pollinated with each other. A generation from these crosses was then raised. One plant was selected as the female parent to be crossed with the pollen parent *H. macrophylla* 'Sumidanohanabi' in 1993. From this pollination 35 plants were raised and in 1994 a selection was made on the basis of average number of sepals more than seven, sepal shape of apex acute and inflorescence diameter medium. 'RIE09' has remained uniform and stable through all subsequent generations. Propagation is via cuttings. Breeder: Ryoji Irie, Kyoto, Japan.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	growth habit	upright
Leaf blade	variegation	absent
Inflorescence	conspicuousness of flowers with small calyx	conspicuous
Inflorescence	shape	flattened
Large calyx	overlapping of sepals	present
Large calyx	degree of overlapping of sepals	very strong
Large calyx	number of sepals	more than 7

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'RIE01'	
'RIE02'	
'youmefour'	
'youmethree'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Sumidanohanabi'	Inflorescence arrangement of flowers with large calyx (varieties with conspicuous flowers with small calyx only)	irregular	in one circle	Parental 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	'RIE 09'	'RIE01'	'RIE02'	'youmefour'	'youmethree'
<input type="checkbox"/> *Plant: growth habit	upright	upright	upright	upright	upright
<input type="checkbox"/> Plant: natural height (non-climbing varieties only)	medium	medium	short to medium	medium	medium to tall
<input type="checkbox"/> Leaf blade: length	medium	medium	short	short to medium	medium to long
<input type="checkbox"/> *Leaf blade: main colour	green	green	green	green	green
<input checked="" type="checkbox"/> Leaf blade: intensity of main colour	dark	dark	dark	medium to dark	medium
<input type="checkbox"/> *Leaf blade: variegation	absent	absent	absent	absent	absent
<input type="checkbox"/> Leaf blade: glossiness of upper side	absent	absent	absent	absent	absent
<input checked="" type="checkbox"/> *Leaf blade: shape	ovate	circular	circular	ovate	ovate
<input type="checkbox"/> *Leaf blade: shape of apex	acuminate	acuminate	acuminate	acuminate	acuminate
<input checked="" type="checkbox"/> Leaf blade: shape of base	acute	obtuse	obtuse	obtuse	acute
<input type="checkbox"/> Leaf blade: lobing	present	present	present	present	present
<input checked="" type="checkbox"/> Leaf blade: type of	fine to	medium to	medium	medium	fine to

incisions	medium	coarse			medium
<input checked="" type="checkbox"/> *Inflorescence: diameter	medium	large to very large	medium	large to very large	large
<input type="checkbox"/> *Inflorescence: conspicuousness of flowers with small calyx	conspicuous	conspicuous	conspicuous	conspicuous	conspicuous
<input checked="" type="checkbox"/> Inflorescence: arrangement of flowers with large calyx (varieties with conspicuous flowers with small calyx only)	irregular	irregular	irregular	irregular	in one circle
<input type="checkbox"/> *Inflorescence: shape	flattened	flattened	flattened	flattened	flattened
<input type="checkbox"/> *Large calyx: diameter	medium	large	large	medium	large to very large
<input checked="" type="checkbox"/> *Large calyx: colouration	medium	medium	medium to strong	strong	weak to medium
<input checked="" type="checkbox"/> *Large calyx: colour (RHS colour chart)	Violet-Blue 97A + Purple 76A	Blue 106 C+D	Blue 100C+D	Violet-Blue 97B	Blue 100D
<input type="checkbox"/> *Large calyx: overlapping of sepals	present	present	present	present	present
<input type="checkbox"/> *Large calyx: degree of overlapping of sepals	very strong	very strong	very strong	very strong	very strong
<input checked="" type="checkbox"/> *Large calyx: incisions of margin of sepals	absent on all sepals	present on some sepals	present on some sepals	absent on all sepals	present on some sepals
<input type="checkbox"/> Small calyx: intensity of colouration (varieties with conspicuous flowers with small calyx only)	strong	strong	strong	strong	strong
<input type="checkbox"/> Flower with small calyx: intensity of colouration of anthers (varieties with conspicuous flowers with small calyx only)	weak	weak	weak	weak	weak
<input type="checkbox"/> *Time of: beginning of flowering	medium	medium	medium	medium	medium

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'RIE 09'	'RIE01'	'RIE02'	'youmefour'	'youmethree'
<input checked="" type="checkbox"/> Large calyx: shape of apex of sepals	acute	acute	obtuse	acute	obtuse
<input type="checkbox"/> Large calyx: number of sepals	more than 7	more than 7	more than 7	more than 7	more than 7

Statistical Table

Organ/Plant Part: Context	'RIE 09'	'RIE01'	'RIE02'	'youmefour'	'youmethree'
<input checked="" type="checkbox"/> Inflorescence: width of calyx (largest flower) (mm)					
Mean	55.00	60.50	64.80	51.90	80.30
Std. Deviation	4.60	5.60	4.10	5.40	3.90
LSD/sig	4.5	P≤0.01	P≤0.01	ns	P≤0.01
<input checked="" type="checkbox"/> Inflorescence: number of sepals					
Mean	13.90	13.90	14.70	15.50	16.80
Std. Deviation	1.10	1.20	0.94	1.35	0.92
LSD/sig	1.19	ns	ns	P≤0.01	P≤0.01

Prior Applications and Sales

Country	Year	Current Status	Name Applied
EU	2007	Granted	'RIE 09'
USA	2004	Granted	'RIE 09'
New Zealand	2008	Applied	'RIE 09'
Canada	2005	Applied	'Youmenine'

First sold in The Netherlands in Mar 2004. First Australian sale Nov 2007.

Description: **Steve Eggleton**, Wonga Park, VIC.

Details of Application

Application Number	2008/066
Variety Name	'RIE 01'
Genus Species	<i>Hydrangea macrophylla</i>
Common Name	Hydrangea
Synonym	Forever
Accepted Date	26 May 2008
Applicant	Ryoji Irie, Kyoto, Japan
Agent	Plants Management Australia Pty Ltd, Dodges Ferry, TAS
Qualified Person	Steve Eggleton

Details of Comparative Trial

Location	Wonga Park, VIC.
Descriptor	Hydrangea (<i>Hydrangea</i>) TG/133/3.
Period	2008
Conditions	Trial conducted in non heated shade house. Plants propagated from cuttings, grown on and transplanted to final 200mm container size throughout 2008 until flowering maturity in Dec. Pots filled with soilless, pinebark based mix with controlled release fertilizers and a pH of 5.1. Appropriate pest and disease treatments were applied as required.
Trial Design	Twelve pots of each variety in a completely randomised design.
Measurements	From ten plants randomly selected.
RHS Chart - edition	1995.

Origin and Breeding

Controlled pollination: between May 1990 and May 1993 the breeder began a program with the aims of breeding a range of double-flowered Hydrangeas, having two or more whorls of sepals per flower in Kyoto, Japan. *Hydrangea macrophylla* 'Yamaajisai', 'Otafuka' and 'Fijinishiritaki' (non protected varieties) were pollinated with each other. A generation from these crosses was then raised. One plant was selected as the female parent to be crossed with the pollen parent *H. macrophylla* 'Sumidanohanabi' in 1993. From this pollination 35 plants were raised and in 1994 a selection was made on the basis of average number of sepals more than seven, sepal shape of apex acute and inflorescence diameter large to very large. 'RIE01' has remained uniform and stable through all subsequent generations. Propagation is via cuttings. Breeder: Ryoji Irie, Kyoto, Japan.

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

Organ/Plant PartContext		State of Expression in Group of Varieties
Plant	growth habit	upright
Leaf blade	variegation	absent
Inflorescence	conspicuousness of flowers with small calyx	conspicuous
Inflorescence	shape	flattened
Large calyx	overlapping of sepals	present
Large calyx	degree of overlapping of sepals	very strong
Large calyx	number of sepals	more than 7

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'RIE02'	
'youmefour'	
'youmethree'	
'RIE09'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Sumidanohanabi'	Inflorescence arrangement of flowers with large calyx (varieties with conspicuous flowers with small calyx only)	irregular	in one circle	Parental 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	'RIE 01'	'RIE02'	'RIE09'	'youmefour'	'youmethree'
<input type="checkbox"/> *Plant: growth habit	upright	upright	upright	upright	upright
<input type="checkbox"/> Plant: natural height (non-climbing varieties only)	medium	short to medium	medium	medium	medium to tall
<input checked="" type="checkbox"/> Leaf blade: length	medium	short	medium	short to medium	medium to long
<input type="checkbox"/> *Leaf blade: main colour	green	green	green	green	green
<input checked="" type="checkbox"/> Leaf blade: intensity of main colour	dark	dark	dark	medium to dark	medium
<input type="checkbox"/> *Leaf blade: variegation	absent	absent	absent	absent	absent
<input type="checkbox"/> Leaf blade: glossiness of upper side	absent	absent	absent	absent	absent
<input checked="" type="checkbox"/> *Leaf blade: shape	circular	circular	ovate	ovate	ovate
<input type="checkbox"/> *Leaf blade: shape of apex	acuminate	acuminate	acuminate	acuminate	acuminate
<input checked="" type="checkbox"/> Leaf blade: shape of base	obtuse	obtuse	acute	obtuse	acute
<input type="checkbox"/> Leaf blade: lobing	present	present	present	present	present
<input checked="" type="checkbox"/> Leaf blade: type of incisions	medium to coarse	medium	fine to medium	medium	fine to medium

<input checked="" type="checkbox"/> *Inflorescence: diameter	large to very large	medium	medium	medium	large to very large	large
<input type="checkbox"/> *Inflorescence: conspicuousness of flowers with small calyx	conspicuous	conspicuous	conspicuous	conspicuous	conspicuous	conspicuous
<input type="checkbox"/> Inflorescence: arrangement of flowers with large calyx (varieties with conspicuous flowers with small calyx only)	irregular	irregular	irregular	irregular	irregular	in one circle
<input type="checkbox"/> *Inflorescence: shape	flattened	flattened	flattened	flattened	flattened	flattened
<input checked="" type="checkbox"/> *Large calyx: diameter	large	large	medium	medium	medium	large to very large
<input checked="" type="checkbox"/> *Large calyx: colouration	medium	medium to strong	medium	strong	strong	weak to medium
<input checked="" type="checkbox"/> *Large calyx: colour (RHS colour chart)	Blue 106 C + D	Blue 100 C + D	Violet-Blue 97A + Purple 76A	Violet-Blue 97B	Blue 100 D	Blue 100 D
<input type="checkbox"/> *Large calyx: overlapping of sepals	present	present	present	present	present	present
<input type="checkbox"/> *Large calyx: degree of overlapping of sepals	very strong	very strong	very strong	very strong	very strong	very strong
<input checked="" type="checkbox"/> *Large calyx: incisions of margin of sepals	present on some sepals	present on some sepals	absent on all sepals	absent on all sepals	absent on all sepals	present on some sepals
<input type="checkbox"/> Large calyx: shape of incisions of margin of sepals	serrate	serrate				serrate
<input type="checkbox"/> Small calyx: intensity of colouration (varieties with conspicuous flowers with small calyx only)	strong	strong	weak	strong	strong	strong
<input type="checkbox"/> Flower with small calyx: intensity of colouration of anthers (varieties with conspicuous flowers with small calyx only)	weak	weak	weak	weak	weak	weak
<input type="checkbox"/> *Time of: beginning of flowering	medium	medium	medium	medium	medium	medium

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'RIE 01'	'RIE02'	'RIE09'	'youmefour'	'youmethree'
<input checked="" type="checkbox"/> Large calyx: shape of apex of sepals	acute	obtuse	acute	acute	obtuse
<input type="checkbox"/> Large calyx: number of sepals	more than 7	more than 7	more than 7	more than 7	more than 7

Statistical Table

Organ/Plant Part: Context	'RIE 01'	'RIE02'	'RIE09'	'youmefour'	'youmethree'
<input checked="" type="checkbox"/> Inflorescence: number of sepals					
Mean	13.90	14.70	13.90	15.50	16.80
Std. Deviation	1.20	0.94	1.10	1.35	0.92
LSD/sig	1.19	ns	ns	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Inflorescence: width of calyx (largest flower) (mm)					
Mean	60.50	64.80	55.00	51.90	80.30
Std. Deviation	5.60	4.10	4.60	5.40	3.90
SD/sig	4.5	ns	P≤0.01	P≤0.01	P≤0.01

Prior Applications and Sales

Country	Year	Current Status	Name Applied
EU	2007	Granted	'RIE 01'
USA	2004	Granted	'RIE 01'
Canada	2005	Applied	'Youmeone'

First sold in The Netherlands in Mar 2004. First Australian sale Nov 2007.

Description: **Steve Eggleton**, Wonga Park, VIC.

Details of Application

Application Number	2008/065
Variety Name	'youmefour'
Genus Species	<i>Hydrangea macrophylla</i>
Common Name	Hydrangea
Synonym	Passion
Accepted Date	05 Sep 2008
Applicant	Ryoji Irie, Kyoto, Japan
Agent	Plants Management Australia Pty Ltd, Dodges Ferry, TAS
Qualified Person	Steve Eggleton

Details of Comparative Trial

Location	Wonga Park, VIC
Descriptor	Hydrangea (<i>Hydrangea</i>) TG/133/3.
Period	2008
Conditions	Trial conducted in non heated shade house. Plants propagated from cuttings, grown on and transplanted to final 200mm container size throughout 2008 until flowering maturity in December. Pots filled with soilless, pinebark based mix with controlled release fertilizers and a pH of 5.1. Appropriate pest and disease treatments were applied as required.
Trial Design	Twelve pots of each variety in a completely randomised design
Measurements	From ten plants randomly selected
RHS Chart - edition	1995

Origin and Breeding

Controlled pollination: between May 1990 and May 1993 the breeder began a program with the aims of breeding a range of double-flowered Hydrangeas, having two or more whorls of sepals per flower in Kyoto, Japan. *Hydrangea macrophylla* 'Yamaajisai', 'Otafuka' and 'Fijinishiritaki' (non-protected varieties) were pollinated with each other. A generation from these crosses was then raised. One plant was selected as the female parent to be crossed with *H. macrophylla* 'Sumidanohanabi' the pollen parent in 1993. From this pollination 35 plants were raised and in 1994. A selection was made on the basis of average number of sepals more than seven, sepal shape of apex acute and inflorescence diameter large to very large. 'Youmefour' has remained uniform and stable through all subsequent generations. Propagation is via cuttings. Breeder: Ryoji Irie, Kyoto, Japan.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	growth habit	upright
Leaf blade	variegation	absent
Inflorescence	conspicuousness of flowers with small calyx	conspicuous
Inflorescence	shape	flattened
Large calyx	overlapping of sepals	present
Large calyx	degree of overlapping of sepals	very strong
Large calyx	number of sepals	more than 7

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'RIE01'	
'RIE02'	
'RIE09'	
'youmethree'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Sumidanohanabi'	Inflorescence arrangement of flowers with large calyx (varieties with conspicuous flowers with small calyx only)	irregular	in one circle	Parental 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	'youmefour'	'RIE01'	'RIE02'	'RIE09'	'youmethree'
<input type="checkbox"/> *Plant: growth habit	upright	upright	upright	upright	upright
<input type="checkbox"/> Plant: natural height (non-climbing varieties only)	medium	medium	short to medium	medium	medium to tall
<input checked="" type="checkbox"/> Leaf blade: length	short to medium	medium	short	medium	medium to long
<input type="checkbox"/> *Leaf blade: main colour	green	green	green	green	green
<input type="checkbox"/> Leaf blade: intensity of main colour	medium to dark	dark	dark	dark	medium
<input type="checkbox"/> *Leaf blade: variegation	absent	absent	absent	absent	absent
<input type="checkbox"/> Leaf blade: glossiness of upper side	absent	absent	absent	absent	absent
<input checked="" type="checkbox"/> *Leaf blade: shape	ovate	circular	circular	ovate	ovate
<input type="checkbox"/> *Leaf blade: shape of apex	acuminate	acuminate	acuminate	acuminate	acuminate
<input checked="" type="checkbox"/> Leaf blade: shape of base	obtuse	obtuse	obtuse	acute	acute
<input type="checkbox"/> Leaf blade: lobing	present	present	present	present	present
<input type="checkbox"/> Leaf blade: type of incisions	medium	medium to coarse	medium	fine to medium	fine to medium

<input checked="" type="checkbox"/> *Inflorescence: diameter	large to very large	large to very large	medium	medium	large
<input type="checkbox"/> *Inflorescence: conspicuousness of flowers with small calyx	conspicuous	conspicuous	conspicuous	conspicuous	conspicuous
<input checked="" type="checkbox"/> Inflorescence: arrangement of flowers with large calyx (varieties with conspicuous flowers with small calyx only)	irregular	irregular	irregular	irregular	in one circle
<input type="checkbox"/> *Inflorescence: shape	flattened	flattened	flattened	flattened	flattened
<input checked="" type="checkbox"/> *Large calyx: diameter	medium	large	large	medium	large to very large
<input checked="" type="checkbox"/> *Large calyx: colouration	strong	medium	medium to strong	medium	weak to medium
<input checked="" type="checkbox"/> *Large calyx: colour (RHS colour chart)	violet-blue 97B	blue 106 C+D	blue 100C+D	violet-blue 97A + purple 76A	blue 100D
<input type="checkbox"/> *Large calyx: overlapping of sepals	present	present	present	present	present
<input type="checkbox"/> *Large calyx: degree of overlapping of sepals	very strong	very strong	very strong	very strong	very strong
<input checked="" type="checkbox"/> *Large calyx: incisions of margin of sepals	absent on all sepals	present on some sepals	present on some sepals	absent on all sepals	present on some sepals
<input type="checkbox"/> Small calyx: intensity of colouration (varieties with conspicuous flowers with small calyx only)	strong	strong	strong	weak	strong
<input type="checkbox"/> Flower with small calyx: intensity of colouration of anthers (varieties with conspicuous flowers with small calyx only)	weak	weak	weak	weak	weak
<input type="checkbox"/> *Time of: beginning of flowering	medium	medium	medium	medium	medium

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'youmefour'	'RIE01'	'RIE02'	'RIE09'	'youmethree'
<input checked="" type="checkbox"/> Large calyx: shape of apex of sepals	acute	acute	obtuse	acute	obtuse
<input type="checkbox"/> Large calyx: number of sepals	more than 7	more than 7	more than 7	more than 7	more than 7

Statistical Table

Organ/Plant Part: Context	'youmefour'	'RIE01'	'RIE02'	'RIE09'	'youmethree'
<input checked="" type="checkbox"/> Inflorescence: width of calyx (largest flower) (mm)					
Mean	51.90	13.90	64.80	55.00	80.30
Std. Deviation	5.40	1.20	4.10	4.60	3.90
LSD/sig	4.5	P≤0.01	P≤0.01	ns	P≤0.01
<input checked="" type="checkbox"/> Inflorescence: number of sepals					
Mean	15.50	13.90	14.70	13.90	16.80
Std. Deviation	1.35	1.20	0.94	1.10	0.92
LSD/sig	1.19	P≤0.01	ns	P≤0.01	P≤0.01

Prior Applications and Sales

Country	Year	Current Status	Name Applied
Canada	2005	Applied	'youmefour'
EU	2003	Rejected	'youmefour'
USA	2004	Granted	'RIE 04'

First sold in The Netherlands in Mar 2004. First Australian sale Nov 2007.

Description: **Steve Eggleton**, Wonga Park, VIC.

Details of Application

Application Number	2008/130
Variety Name	'Calavos'
Genus Species	<i>Cannabis sativa</i>
Common Name	Industrial Hemp
Synonym	Nil
Accepted Date	29 Jul 2008
Applicant	Agri Fibre Industries Pty Ltd, Bundaberg, QLD
Agent	N/A
Qualified Person	David Gillespie

Details of Comparative Trial

Location	Langbeckers Road, Calavos via Bundaberg.
Descriptor	Hemp (<i>Cannabis sativa</i>) TG/Hemp (DRAFT).
Period	3 Oct 2008 to 12 Dec 2008.
Conditions	The trial was sown in a grey light sandy clay loam on 3 Oct 2008. Irrigation and fertiliser application were by trickle irrigation. Plants were never stressed for water or nutrients. Insecticides were applied as necessary before any damage to the crop took place. There was no disease in the crop so no fungicides were applied.
Trial Design	Randomised block design with eleven treatments and two replications. Two generations were sown of each of 4 candidate varieties along with 3 varieties of common knowledge from the same breeding program. Each end of the plot was buffered by two metres of 'Carmen' and on each side of the experimental area was also buffered by a row of 'Carmen' one of the common knowledge varieties.
Measurements	10 samples for various attributes were taken from each plot.
RHS Chart - edition	5 th edition.

Origin and Breeding

Controlled pollination: the pollination was controlled to the extent that male plants were removed before anthesis from the maternal parent while several paternal parents of unknown origin to the applicant pollinated the maternal parent. The source F1 hybrid seed coded 'Guelph 3-74' was imported through quarantine under licence from Mr Peter P. Dragla (now deceased), University of Guelph, Ridge Town College, Ontario, Canada in Dec 2003. The breeding line 'Guelph 3-74' was from very late maturing parents under Canadian conditions (matured in 165 days from sowing). The F1 source seed and subsequent generations were then grown in isolation until final selections took at F5 generation. This variety was selected for grain qualities and kernels tasted very nice. It is a short variety for easy mechanical harvest of seed. Plants were very seed productive. Open pollination from individual plants selected for low THC content was carried out in the first three generations from the F1 source seed. Male plants were screened before anthesis, small males discarded and female plants screened for low THC content at half seed fill using an in-house colorimetric test. The Government analyst also monitored populations with a random 30 plant sample.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	time of flowering	early
Leaves and inflorescences	THC content	low/very low to low
Plant	sex expression	dioecious

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'BundyGem'	Originated from the same breeding program.
'FibreGem'	Originated from the same breeding program.
'Carmen'	Originated from the same breeding program.
'Ruby'	Originated from the same breeding program.
'Kepnock'	Originated from the same breeding program.
'Tegege'	Originated 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	'Calavos'	'BundyGem'	'Carmen'	'FibreGem'	'Kepnock'	'Ruby'	'Tegege'
<input checked="" type="checkbox"/> Seedling: shape of cotyledon	broad elliptic	broad elliptic	narrow elliptic	broad elliptic	broad elliptic	broad elliptic	broad elliptic
<input type="checkbox"/> Cotyledon: intensity of green colour	dark	dark	medium to dark	dark	dark	medium to dark	dark
<input type="checkbox"/> *Seedling: anthocyanin colouration	present						
<input type="checkbox"/> Seedling: intensity of anthocyanin colouration	very weak to weak	very weak	very weak	very weak	very weak to weak	very weak to weak	very weak to weak
<input type="checkbox"/> Time of: beginning of flowering (50% of plants with at least one male flower) (seed-propagated varieties only)	early						
<input type="checkbox"/> *Plant: sex expression	dioecious						
<input type="checkbox"/> Plant: number of primary branches	absent or very few						
<input type="checkbox"/> Stem: length of internode	short to medium	medium	medium	medium to long	medium	medium	medium
<input type="checkbox"/> Stem: thickness	medium	thin to	thin	medium to	thin to	medium	medium to

<input checked="" type="checkbox"/>	Stem: number of ribs	medium	medium to many	medium to many	thick	medium	medium to many	thick
<input type="checkbox"/>	*Leaf: size	medium to large	large	medium to large	medium to large	medium to large	medium to large	large
<input checked="" type="checkbox"/>	Leaf: maximum number of leaflets on one petiole	medium	medium	medium	medium	medium	many	many
<input type="checkbox"/>	Central leaflet: length	medium	medium to long	medium	medium	medium to long	medium	medium to long
<input type="checkbox"/>	Central leaflet: width	medium	medium to broad	medium	medium	medium to broad	medium	medium to broad
<input type="checkbox"/>	Leaf: intensity of green color	medium	medium	dark	medium	medium	medium to dark	dark
<input type="checkbox"/>	*Leaf: anthocyanin colouration	absent	absent	absent	absent	absent	absent	absent
<input type="checkbox"/>	*Petiole: anthocyanin colouration	very weak to weak	very weak to weak	absent or very weak	very weak to weak	very weak to weak	very weak to weak	very weak to weak
<input type="checkbox"/>	Inflorescence: anthocyanin colouration of male flowers	very weak to weak	very weak to weak	absent or very weak	very weak to weak	very weak to weak	very weak to weak	very weak to weak
<input checked="" type="checkbox"/>	Plant: height (flowering plant including inflorescence)	short	medium	short	short to medium	short to medium	short to medium	short to medium
<input type="checkbox"/>	*Stem: colour	light green	light green	light green	light green	light green	light green	light green
<input type="checkbox"/>	*Time of: maturity (50% of plants with at least one hard, dry seed)	early	early	early	early	early	early	early
<input checked="" type="checkbox"/>	Seed: size	medium to large	medium to large	medium	medium to large	medium to large	medium to large	medium to large
<input type="checkbox"/>	Seed: colour of testa	brown	brown	brown	brown	brown	brown	brown
<input checked="" type="checkbox"/>	Seed: reticulation	medium	medium to strong	weak to medium	weak	medium to strong	weak to medium	medium
<input checked="" type="checkbox"/>	Seed: shape in lateral view	semi broad elliptic	broad ovate	narrow elliptic	broad ovate	semi broad elliptic	broad ovate	broad ovate

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	‘Calavos’	‘BundyGem’	‘Carmen’	‘FibreGem’	‘Kepnock’	‘Ruby’	‘Tegege’
<input type="checkbox"/> Stem: RHS colour	137C	137C	137C	137C	137C	137D	137C
<input type="checkbox"/> Leaf: RHS colour	137B	137C	137C	137B	137C	137C	137B
<input checked="" type="checkbox"/> Seed testa: Black mosaic pattern	medium to strong	weak	medium	weak	medium to strong	medium	medium
<input checked="" type="checkbox"/> Young leaf: anthocyanin colouration at early flowering	absent	present	absent	absent	absent	absent	absent
<input type="checkbox"/> Leaf and inflorescence: THC content	low	low	low	low to very low	low	low	low
<input type="checkbox"/> Stem: bast fibre content	high	medium to high	medium	medium to high	medium to high	medium to high	medium to high
<input type="checkbox"/> Cotyledon: RHS colour	N137A	137B	137A	N137B	N137A	137A	137B

Statistical Table

Organ/Plant Part: Context	‘Calavos’	‘BundyGem’	‘Carmen’	‘FibreGem’	‘Kepnock’	‘Ruby’	‘Tegege’
<input checked="" type="checkbox"/> Plant: height (cm)							
Mean	102.47	140.93	113.50	126.50	120.35	132.45	131.60
Std. Deviation	10.09	14.48	11.63	13.08	15.72	11.51	17.85
LSD/sig	18.13	P≤0.01	ns	P≤0.01	P≤0.01	P≤0.01	P≤0.01
<input type="checkbox"/> Leaves and inflorescence: THC content % (g/g*100)							
Mean	0.10	0.20	0.10	0.05	0.10	0.13	0.21
Std. Deviation	0.02	0.00	0.07	0.00	0.01	0.00	0.17
<input checked="" type="checkbox"/> Seed: size weight/1000 seed (g)							
Mean	20.57	22.98	16.04	21.19	22.20	21.06	21.54
Std. Deviation	0.59	0.72	0.77	0.79	0.76	0.83	0.40
LSD/sig	0.845	P≤0.01	P≤0.01	P≤0.01	P≤0.01	ns	P≤0.01
<input type="checkbox"/> Stem: bast fibre content % (g/g*100)							
Mean	26.12	24.07	17.47	23.56	24.81	25.22	25.23
Std. Deviation	4.17	1.65	0.89	1.29	0.80	1.73	1.09
LSD/sig	6.02	ns	ns	ns	ns	ns	ns

Prior Applications and Sales

Nil.

Description: **David Gillespie**, Crop Tech Research Pty Ltd, Bundaberg, QLD.

Details of Application

Application Number	2008/132
Variety Name	'Kepnock'
Genus Species	<i>Cannabis sativa</i>
Common Name	Industrial Hemp
Synonym	Nil
Accepted Date	29 Jul 2008
Applicant	Agri Fibre Industries Pty Ltd, Bundaberg, QLD
Agent	N/A
Qualified Person	David Gillespie

Details of Comparative Trial

Location	Langbeckers Road, Calavos via Bundaberg.
Descriptor	Hemp (<i>Cannabis sativa</i>) TG/Hemp (DRAFT).
Period	3 Oct 2008 to 12 Dec 2008.
Conditions	The trial was sown in a grey light sandy clay loam on 3 Oct 2008. Irrigation and fertiliser application were by trickle irrigation. Plants were never stressed for water or nutrients. Insecticides were applied as necessary before any damage to the crop took place. There was no disease in the crop so no fungicides were applied.
Trial Design	Randomised block design with eleven treatments and two replications. Two generations were sown of each of 4 candidate varieties along with 3 varieties of common knowledge from the same breeding program. Each end of the plot was buffered by two metres of 'Carmen' and on each side of the experimental area was also buffered by a row of 'Carmen' one of the common knowledge varieties.
Measurements	10 measurements were taken of various attributes from each plot.
RHS Chart - edition	5 th edition.

Origin and Breeding

Controlled pollination: the pollination was controlled to the extent that male plants were removed before anthesis from the maternal parent while several paternal parents of unknown origin to the applicant pollinated the maternal parent. The source F1 hybrid seed coded 'Guelph 3-31' was imported through quarantine under licence from Mr Peter P. Dragla (now deceased), University of Guelph, Ridge Town College, Ontario, Canada in Dec 2003. The breeding line 'Guelph 3-31' was from very late maturing parents under Canadian conditions (matured in 160 days from sowing). The F1 source seed and subsequent generations were then grown in isolation until final selections took at the F4 generation. This variety is possibly a dual-purpose variety having good bast fibre characteristics and excellent tasting kernels. Plants were very seed productive. Open pollination from individual plants selected for low THC content was carried out in the first three generations from the F1 source seed. Male plants were screened before anthesis, small males discarded and female plants screened for low THC content at half seed fill using an in-house colorimetric test. The Government analyst also monitored populations with a random 30 plant sample.

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	THC content	low/very low to low
Inflorescence	sex expression	dioecious
Plant	flowering	early

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'BundyGem'	Originated from the same breeding program.
'Calavos'	Originated from the same breeding program.
'Carmen'	Originated from the same breeding program.
'FibreGem'	Originated from the same breeding program.
'Ruby'	Originated from the same breeding program.
'Tegege'	Originated 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	'Kepnock'	'BundyGem'	'Calavos'	'Carmen'	'FibreGem'	'Ruby'	'Tegege'
<input checked="" type="checkbox"/> Seedling: shape of cotyledon	broad elliptic	broad elliptic	broad elliptic	narrow elliptic	broad elliptic	broad elliptic	broad elliptic
<input type="checkbox"/> Cotyledon: intensity of green colour	dark	dark	dark	medium to dark	dark	medium to dark	dark
<input type="checkbox"/> *Seedling: anthocyanin colouration	present						
<input type="checkbox"/> Seedling: intensity of anthocyanin colouration	very weak to weak	very weak	very weak to weak	very weak	very weak to weak	very weak to weak	very weak to weak
<input type="checkbox"/> Time of: beginning of flowering (50% of plants with at least one male flower) (seed-propagated varieties only)	early						
<input type="checkbox"/> *Plant: sex expression	dioecious						
<input type="checkbox"/> Plant: number of primary branches	absent or very few						
<input type="checkbox"/> Stem: length of internode	medium	medium	short to medium	medium	medium to long	medium	medium
<input type="checkbox"/> Stem: thickness	thin to	thin to	medium	thin	medium to	medium	medium to

		medium	medium			thick		thick
<input type="checkbox"/>	Stem: number of ribs	medium to many	medium to many	medium to many	medium to many	medium	many	medium to many
<input type="checkbox"/>	*Leaf: size	medium to large	large	medium to large	medium to large	medium to large	medium to large	large
<input checked="" type="checkbox"/>	Leaf: maximum number of leaflets on one petiole	medium	medium	medium	medium	medium	many	many
<input type="checkbox"/>	Central leaflet: length	medium to long	medium to long	medium	medium	medium	medium	medium to long
<input type="checkbox"/>	Central leaflet: width	medium to broad	medium to broad	medium	medium	medium	medium	medium to broad
<input type="checkbox"/>	Leaf: intensity of green color	medium	medium	medium	dark	medium	medium to dark	dark
<input type="checkbox"/>	*Leaf: anthocyanin colouration	absent	absent	absent	absent	absent	absent	absent
<input type="checkbox"/>	*Petiole: anthocyanin colouration	very weak to weak	very weak to weak	very weak to weak	absent or very weak	very weak to weak	very weak to weak	very weak to weak
<input type="checkbox"/>	Inflorescence: anthocyanin colouration of male flowers	very weak to weak	very weak to weak	very weak to weak	absent or very weak	very weak to weak	very weak to weak	very weak to weak
<input checked="" type="checkbox"/>	Plant: height (flowering plant including inflorescence)	short to medium	medium	short	short	short to medium	short to medium	short to medium
<input type="checkbox"/>	*Stem: colour	light green	light green	light green	light green	light green	light green	light green
<input type="checkbox"/>	*Time of: maturity (50% of plants with at least one hard, dry seed)	early	early	early	early	early	early	early
<input checked="" type="checkbox"/>	Seed: size	medium to large	medium to large	medium to large	medium	medium to large	medium to large	medium to large
<input type="checkbox"/>	Seed: colour of testa	brown	brown	brown	brown	brown	brown	brown
<input checked="" type="checkbox"/>	Seed: reticulation	medium to strong	medium to strong	medium	weak to medium	weak	weak to medium	medium
<input checked="" type="checkbox"/>	Seed: shape in lateral view	semi broad elliptic	broad ovate	semi broad elliptic	narrow elliptic	broad ovate	broad ovate	broad ovate

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	‘Kepnock’	‘BundyGem’	‘Calavos’	‘Carmen’	‘FibreGem’	‘Ruby’	‘Tegege’
<input type="checkbox"/> Stem: bast fibre content	medium to high	medium to high	medium to high	medium	medium to high	medium to high	medium to high
<input type="checkbox"/> leaf and inflorescence: THC content	low	low	low	low	very low to low	low	low
<input type="checkbox"/> Stem: RHS colour	137C	137C	137C	137C	137C	137D	137C
<input type="checkbox"/> leaf: RHS colour	137C	137C	137B	137C	137B	137C	137B
<input checked="" type="checkbox"/> Seed testa: Black mosaic pattern	medium to strong	weak	medium to strong	medium	weak	medium	medium
<input checked="" type="checkbox"/> Young leaf: anthocyanin colouration at early flowering	absent	present	absent	absent	absent	absent	absent
<input type="checkbox"/> cotyledon: RHS colour	N137A	137B	N137A	137A	N137B	137A	137B

Statistical Table

Organ/Plant Part: Context	‘Kepnock’	‘BundyGem’	‘Calavos’	‘Carmen’	‘FibreGem’	‘Ruby’	‘Tegege’
<input checked="" type="checkbox"/> Seed: size weight 1000 seed (g)							
Mean	22.20	22.98	20.57	16.04	21.19	21.06	21.54
Std. Deviation	0.76	0.72	0.59	0.77	0.79	0.83	0.47
LSD/sig	0.845	ns	P≤0.01	P≤0.01	P≤0.01	P≤0.01	ns
<input type="checkbox"/> Stem: Bast fibre content % (g/g*100)							
Mean	24.81	24.07	26.12	17.47	23.56	25.22	25.23
Std. Deviation	0.80	1.65	4.17	0.89	1.29	1.73	1.09
<input checked="" type="checkbox"/> Plant: height (cm)							
Mean	120.35	140.93	102.47	113.50	126.50	132.45	131.60
Std. Deviation	15.72	14.48	10.09	11.63	13.08	11.51	17.85
LSD/sig	18.13	ns	P≤0.01	P≤0.01	ns	ns	ns
<input type="checkbox"/> Leaves and inflorescence: THC content % (g/g*100)							
Mean	0.10	0.20	0.10	0.10	0.05	0.13	0.21
Std. Deviation	0.01	0.00	0.02	0.07	0.00	0.00	0.17

Prior Applications and Sales

Nil.

Description: **David Gillespie**, Crop Tech Research Pty Ltd, Bundaberg, QLD.

Details of Application

Application Number	2008/131
Variety Name	'FibreGem'
Genus Species	<i>Cannabis sativa</i>
Common Name	Industrial Hemp
Synonym	Nil
Accepted Date	29 Jul 2008
Applicant	Agri Fibre Industries Pty Ltd, Bundaberg, QLD
Agent	N/A
Qualified Person	David Gillespie

Details of Comparative Trial

Location	Crop Tech site Langbeckers Road, Calavos via Bundaberg.
Descriptor	Hemp (<i>Cannabis sativa</i>) TG/Hemp (DRAFT).
Period	3 Oct 2008 to 12 Dec 2008.
Conditions	Soil type grey sandy clay loam, free draining. All lines germinated well, plants were never stressed for water with trickle irrigation applied throughout the trial. Fertiliser was applied through the trickle irrigation and plants were not stressed for nutrients. Plants were sprayed as necessary for insect control, no diseases were evident throughout. Weeding was done by hand at a very small size and plants did not have to compete with weeds.
Trial Design	Randomised block design consisting of eleven treatments and two replications. Two generations of the four candidate varieties were grown and three varieties of common knowledge were included in the trial. Buffer rows were grown at each end of the trial and the two outside rows were buffered with Carmen. Plots consisted of approximately 50 plants.
Measurements	10 samples were taken from each plot for assessment of various characteristics.
RHS Chart - edition	5 th edition.

Origin and Breeding

Controlled pollination: the pollination was controlled to the extent that male plants were removed before anthesis from the maternal parent while several paternal parents of unknown origin to the applicant pollinated the maternal parent. The source F1 hybrid seed coded 'Guelph 3-73' was imported through quarantine under licence from Mr Peter P. Dragla (now deceased), University of Guelph, Ridge Town College, Ontario, Canada in Dec, 2003. The breeding line 'Guelph 3-73' was from very late maturing parents under Canadian conditions (matured in 170 days from sowing). The F1 source seed and subsequent generations were then grown in isolation until final selection. Open pollination from individual plants selected for low THC content was carried out in the first three generations from the F1 source seed. Male plants were screened before anthesis, small males discarded and female plants screened for low THC content at half seed fill using an in-house colorimetric test. The Government analyst also monitored populations with a random 30 plant sample. The line was selected for uniform thin stems. Seed heads are approximately one third of the plant height. This line decorticated easily by machine producing long very strong fibres. Final selections were made at F5.

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
Leaves and inflorescences	THC content	very low to low/low
Inflorescence	sex expression	dioecious
Flowers	days to 50% anthesis	early

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
‘Carmen’	Bred from same program.
‘Ruby’	Bred from same program.
‘Tegege’	Bred from same program.
‘Kepnock’	Originated from the same breeding program.
‘Calavos’	Originated from the same breeding program.
‘BundyGem’	Originated 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	‘FibreGem’	‘BundyGem’	‘Calavos’	‘Carmen’	‘Kepnock’	‘Ruby’	‘Tegege’
<input checked="" type="checkbox"/> Seedling: shape of cotyledon	broad elliptic	broad elliptic	broad elliptic	narrow elliptic	broad elliptic	broad elliptic	broad elliptic
<input type="checkbox"/> Cotyledon: intensity of green colour	dark	dark	dark	medium to dark	dark	medium to dark	dark
<input type="checkbox"/> *Seedling: anthocyanin colouration	present						
<input type="checkbox"/> Seedling: intensity of anthocyanin colouration	very weak to weak	very weak	very weak to weak	very weak	very weak to weak	very weak to weak	very weak to weak
<input type="checkbox"/> Time of: beginning of flowering (50% of plants with at least one male flower) (seed-propagated varieties only)	early						
<input type="checkbox"/> *Plant: sex expression	dioecious						
<input type="checkbox"/> Plant: number of primary branches	absent or very few						
<input type="checkbox"/> Stem: length of internode	medium to long	medium	short to medium	medium	medium	medium	medium
<input type="checkbox"/> Stem: thickness	medium to thin to	medium	thin	thin to	medium	medium to	medium to

<input checked="" type="checkbox"/>	Stem: number of ribs	thick medium	medium medium to many	medium medium to many	medium medium to many	medium medium to many	medium many	thick medium to many
<input type="checkbox"/>	*Leaf: size	medium to large	large	medium to large	medium to large	medium to large	medium to large	large
<input checked="" type="checkbox"/>	Leaf: maximum number of leaflets on one petiole	medium	medium	medium	medium	medium	many	many
<input type="checkbox"/>	Central leaflet: length	medium	medium to long	medium	medium	medium to long	medium	medium to long
<input type="checkbox"/>	Central leaflet: width	medium	medium to broad	medium	medium	medium to broad	medium	medium to broad
<input type="checkbox"/>	Leaf: intensity of green color	medium	medium	medium	dark	medium	medium to dark	dark
<input type="checkbox"/>	*Leaf: anthocyanin colouration	absent	absent	absent	absent	absent	absent	absent
<input type="checkbox"/>	*Petiole: anthocyanin colouration	very weak to weak	very weak to weak	very weak to weak	very weak to weak	very weak to weak	very weak to weak	very weak to weak
<input type="checkbox"/>	Inflorescence: anthocyanin colouration of male flowers	very weak to weak	very weak to weak	very weak to weak	very weak to weak	very weak to weak	very weak to weak	very weak to weak
<input checked="" type="checkbox"/>	Plant: height (flowering plant including inflorescence)	short to medium	medium	short	short	short to medium	very short to short	short to medium
<input type="checkbox"/>	*Stem: colour	light green	light green	light green	light green	light green	light green	light green
<input type="checkbox"/>	*Time of: maturity (50% of plants with at least one hard, dry seed)	early	early	early	early	early	early	early
<input checked="" type="checkbox"/>	Seed: size	medium to large	medium to large	medium to large	medium	medium to large	medium to large	medium to large
<input type="checkbox"/>	Seed: colour of testa	brown	brown	brown	brown	brown	brown	brown
<input checked="" type="checkbox"/>	Seed: reticulation	weak	medium to strong	medium	weak to medium	medium to strong	weak to medium	medium
<input checked="" type="checkbox"/>	Seed: shape in lateral view	broad ovate	broad ovate	semi broad elliptic	narrow elliptic	semi broad elliptic	broad ovate	broad ovate

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	‘FibreGem’	‘BundyGem’	‘Calavos’	‘Carmen’	‘Kepnock’	‘Ruby’	‘Tegege’
<input type="checkbox"/> Stem: bast fibre content	medium to high	medium to high	medium to high	medium	medium to high	medium to high	medium to high
<input type="checkbox"/> Leaf and inflorescence: THC content	very low to low	low	low	low	low	low	low
<input type="checkbox"/> Stem: RHS colour	137C	137C	137C	137C	137C	137D	137C
<input type="checkbox"/> Leaf: RHS colour	137B	137C	137B	137C	137C	137C	137B
<input checked="" type="checkbox"/> Seed testa: Black mosaic pattern	weak	weak	medium to strong	medium	medium to strong	medium	medium
<input type="checkbox"/> Cotyledon: RHS colour	N137B	137B	N137A	137A	N137A	137A	137B
<input checked="" type="checkbox"/> Young leaf: anthocyanin colouration at early flowering	absent	present	absent	absent	absent	absent	absent

Statistical Table

Organ/Plant Part: Context	‘FibreGem’	‘BundyGem’	‘Calavos’	‘Carmen’	‘Kepnock’	‘Ruby’	‘Tegege’
<input checked="" type="checkbox"/> Plant: height (cm)							
Mean	126.50	140.93	102.47	113.50	120.35	132.45	131.60
Std. Deviation	13.08	14.48	10.09	11.63	15.72	11.51	17.85
LSD/sig	18.13	ns	P≤0.01	P≤0.01	P≤0.01	ns	ns
<input type="checkbox"/> Leaves and inflorescence: THC content % (g/g*100)							
Mean	0.05	0.20	0.10	0.10	0.10	0.13	0.21
Std. Deviation	0.00	0.00	0.02	0.07	0.01	0.00	0.17
<input checked="" type="checkbox"/> Seed: weight per 1000 seed (g)							
Mean	21.19	22.98	20.57	16.04	22.20	21.06	21.54
Std. Deviation	0.79	0.72	0.59	0.77	0.76	0.83	0.47
LSD/sig	0.845	P≤0.01	P≤0.01	P≤0.01	ns	P≤0.01	ns
<input type="checkbox"/> Stem: bast fibre content % (g/g*100)							
Mean	23.56	24.07	26.12	17.47	24.81	25.22	25.23
Std. Deviation	1.29	1.65	4.17	0.89	0.80	1.73	1.09
LSD/sig	6.02	ns	ns	ns	ns	ns	ns

Prior Applications and Sales

Nil.

Description: David Gillespie, Crop Tech Research Pty Ltd, Bundaberg, QLD.

Details of Application

Application Number	2008/129
Variety Name	'BundyGem'
Genus Species	<i>Cannabis sativa</i>
Common Name	Industrial Hemp
Synonym	Nil
Accepted Date	29 Jul 2008
Applicant	Agri Fibre Industries Pty Ltd, Bundaberg, QLD
Agent	N/A
Qualified Person	David Gillespie

Details of Comparative Trial

Location	Langbeckers Road, Calavos via Bundaberg.
Descriptor	Hemp (<i>Cannabis sativa</i>) TG/Hemp (DRAFT).
Period	3 Oct 2008 to 12 Dec 2008.
Conditions	The trial was sown in a grey light sandy clay loam on 3 Oct 2008. Irrigation and fertiliser application were by trickle irrigation. Plants were never stressed for water or nutrients. Insecticides were applied as necessary before any damage to the crop took place. There was no disease in the crop so no fungicides were applied.
Trial Design	Randomised block design with eleven treatments and two replications. Two generations were sown of each of 4 candidate varieties along with 3 varieties of common knowledge from the same breeding program. Each end of the plot was buffered by two metres of 'Carmen' and on each side of the experimental area was also buffered by a row of 'Carmen' one of the common knowledge varieties.
Measurements	10 measurements per plot.
RHS Chart - edition	5 th edition.

Origin and Breeding

Controlled pollination: the pollination was controlled to the extent that male plants were removed before anthesis from the maternal parent while several paternal parents of unknown origin to the applicant pollinated the maternal parent. The source F1 hybrid seed coded 'Guelph 3-72' was imported through quarantine under licence from Mr Peter P. Dragla (now deceased), University of Guelph, Ridge Town College, Ontario, Canada in Dec, 2003. The breeding line 'Guelph 3-72' was from very late maturing parents under Canadian conditions (matured in 170 days from sowing). The F1 source seed and subsequent generations were then grown in isolation until final selections took place at F7 generation. This variety was easily decorticated by machine and had long strong bast fibres. Bast recovery was very good. Plants were very seed productive and were taller than other varieties in the DUS trial. Open pollination from individual plants selected for low THC content was carried out in the first three generations from the F1 source seed. Male plants were screened before anthesis, small males discarded and female plants screened for low THC content at half seed fill using an in-house colorimetric test. The Government analyst also monitored populations with a random 30 plant sample.

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	THC content	low/very low to low
Inflorescence	sex expression	Dioecious
Plant	flowering	Early

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Carmen'	Originated from the same breeding program.
'Ruby'	Originated from the same breeding program.
'Tegege'	Originated from the same breeding program.
'Calavos'	Originated from the same breeding program.
'FibreGem'	Originated from the same breeding program.
'Kepnock'	Originated 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	'BundyGem'	'Calavos'	'Carmen'	'FibreGem'	'Kepnock'	'Ruby'	'Tegege'
<input checked="" type="checkbox"/> Seedling: shape of cotyledon	broad elliptic	broad elliptic	narrow elliptic	broad elliptic	broad elliptic	broad elliptic	broad elliptic
<input type="checkbox"/> Cotyledon: intensity of green colour	medium to dark	dark	medium to dark	dark	dark	medium to dark	dark
<input type="checkbox"/> *Seedling: anthocyanin colouration	present						
<input type="checkbox"/> Seedling: intensity of anthocyanin colouration	very weak	very weak to weak	very weak	very weak to weak	very weak to weak	very weak to weak	very weak to weak
<input type="checkbox"/> Time of: beginning of flowering (50% of plants with at least one male flower) (seed-propagated varieties only)	early						
<input type="checkbox"/> *Plant: sex expression	dioecious						
<input type="checkbox"/> Plant: number of primary branches	absent or very few						
<input type="checkbox"/> Stem: length of internode	medium	short to medium	medium	medium to long	medium	medium	medium
<input type="checkbox"/> Stem: thickness	thin to medium	medium	thin	medium to thick	thin to medium	medium	medium to thick

<input type="checkbox"/>	Stem: number of ribs	medium to many	medium to many	medium to many	medium to medium	medium to many	many	medium to many
<input type="checkbox"/>	*Leaf: size	large	medium to large	medium to large	medium to large	medium to large	medium to large	large
<input checked="" type="checkbox"/>	Leaf: maximum number of leaflets on one petiole	medium	medium	medium	medium	medium	many	many
<input type="checkbox"/>	Central leaflet: length	medium to long	medium	medium	medium	medium to long	medium	medium to long
<input type="checkbox"/>	Central leaflet: width	medium to broad	medium	medium	medium	medium to broad	medium	medium to broad
<input type="checkbox"/>	Leaf: intensity of green colour	medium	medium	dark	medium	medium	medium to dark	dark
<input type="checkbox"/>	*Leaf: anthocyanin colouration	absent	absent	absent	absent	absent	absent	absent
<input type="checkbox"/>	*Petiole: anthocyanin colouration	very weak to weak	very weak to weak	absent or very weak	very weak to weak	very weak to weak	very weak to weak	very weak to weak
<input type="checkbox"/>	Inflorescence: anthocyanin colouration of male flowers	very weak to weak	very weak to weak	absent or very weak	very weak to weak	very weak to weak	very weak to weak	very weak to weak
<input checked="" type="checkbox"/>	Plant: height (flowering plant including inflorescence)	medium	short	short	short to medium	short to medium	short to medium	short to medium
<input type="checkbox"/>	*Stem: colour	light green	light green	light green	light green	light green	light green	light green
<input type="checkbox"/>	*Time of: maturity (50% of plants with at least one hard, dry seed)	early	early	early	early	early	early	early
<input checked="" type="checkbox"/>	Seed: size	medium to large	medium to large	medium	medium to large	medium to large	medium to large	medium to large
<input type="checkbox"/>	Seed: colour of testa	brown	brown	brown	brown	brown	brown	brown
<input checked="" type="checkbox"/>	Seed: reticulation	medium to strong	medium	weak to medium	weak	medium to strong	weak to medium	medium
<input checked="" type="checkbox"/>	Seed: shape in lateral view	broad ovate	semi broad elliptic	narrow elliptic	broad ovate	semi broad elliptic	broad ovate	broad ovate

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	‘BundyGem’	‘Calavos’	‘Carmen’	‘FibreGem’	‘Kepnock’	‘Ruby’	‘Tegege’
<input type="checkbox"/> Leaf and inflorescence: THC content	low	low	low	very low to low	low	low	low
<input type="checkbox"/> Stem: bast fibre content	medium to high	medium	medium	medium to high	medium to high	medium to high	medium to high
<input type="checkbox"/> Stem: RHS colour	137C	137C	137C	137C	137C	137D	137C
<input type="checkbox"/> Leaf: RHS colour	137C	137B	137C	137B	137C	137C	137B
<input checked="" type="checkbox"/> Seed testa: Black mosaic pattern	weak	medium to strong	medium	weak	medium to strong	medium	medium
<input type="checkbox"/> Cotyledon: RHS colour	137B	N137A	137A	N137B	N137A	137A	137B
<input checked="" type="checkbox"/> Young leaf: anthocyanin colouration at early flowering	present	absent	absent	absent	absent	absent	absent

Statistical Table

Organ/Plant Part: Context	‘BundyGem’	‘Calavos’	‘Carmen’	‘FibreGem’	‘Kepnock’	‘Ruby’	‘Tegege’
<input checked="" type="checkbox"/> Plant: height (cm)							
Mean	140.93	102.47	113.50	126.50	120.35	132.45	131.60
Std. Deviation	14.48	10.09	11.63	13.08	15.72	11.51	17.85
LSD/sig	18.13	P≤0.01	P≤0.01	ns	P≤0.01	ns	ns
<input type="checkbox"/> Leaf and inflorescence: THC content (g/g*100)							
Mean	0.20	0.10	0.10	0.05	0.10	0.13	0.21
Std. Deviation	0.00	0.02	0.07	0.00	0.01	0.00	0.17
<input checked="" type="checkbox"/> Seed: weight per 1000 seed (g)							
Mean	22.98	20.57	16.04	21.19	22.20	21.06	21.54
Std. Deviation	0.72	0.59	0.77	0.79	0.76	0.83	0.47
LSD/sig	0.845	P≤0.01	P≤0.01	P≤0.01	ns	P≤0.01	P≤0.01
<input type="checkbox"/> Stem: Bast fibre content % (g/g*100)							
Mean	24.07	26.12	17.47	23.56	24.81	25.22	25.23
Std. Deviation	1.65	4.17	0.89	1.29	0.80	1.73	1.09
LSD/sig	6.02	ns	ns	ns	ns	ns	ns

Prior Applications and Sales

Nil.

Description: David Gillespie, Crop Tech Research Pty Ltd, Bundaberg, QLD.

Details of Application

Application Number	2008/026
Variety Name	'Aston'
Genus Species	<i>Lolium multiflorum</i>
Common Name	Italian Ryegrass
Synonym	Nil
Accepted Date	28 Apr 2008
Applicant	New Zealand Agriseeds Ltd, Christchurch, New Zealand
Agent	Heritage Seeds Pty Ltd, Howlong, NSW
Qualified Person	David Hawkey

Details of Comparative Trial

Location	Christchurch New Zealand.
Descriptor	Ryegrass (<i>Lolium</i> spp.) TG/4/8.
Period	Mar 2008 – Jan 2009.
Conditions	Seedlings raised in a glasshouse and transplanted into the field in the autumn after a period of hardening off. Weeds controlled by hand hoeing and overhead irrigation applied as required.
Trial Design	Randomised complete block design with 6 reps and 12 plants, giving 72 plants per variety
Measurements	Measurements from 60 plants per variety.
RHS Chart - edition	Nil.

Origin and Breeding

Seeds of 'Tabu' annual ryegrass were treated with colchicine to induce chromosome doubling. Plants were grown from 200 of these treated seeds and planted to an isolation pot. Individual seed heads were harvested from the plants that appeared tetraploid. Seeds from each of these heads were sown in the glasshouse and leaf tissue produced. This leaf tissue was tested for chromosome number. The plants positively identified as tetraploid were transplanted to field isolation plots. Seed from these C2 plots was harvested and rechecked. This seed was used extensively for yield trials and other field tests. The variety is maintained through four generations of controlled pollination. The original seed is stored in gene bank conditions at Agriseeds Research Farm. Breeder: Frances Wilson and Courtney Inch, New Zealand Agriseeds Limited, Christchurch, New Zealand.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	ploidy	tetraploid
Plant	height	tall
Flag Leaf	length	long

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Emmerson'	
'Feast II'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Tabu'	Plant ploidy	tetraploid	diploid	parental variety
'Archie'	Plant persistence high		low	

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	'Aston'	'Emmerson'	'Feast II'
<input type="checkbox"/> *Plant: ploidy	tetraploid	tetraploid	tetraploid
<input checked="" type="checkbox"/> *Leaf: colour	medium green	dark green	medium green
<input type="checkbox"/> *Plant: time of inflorescence emergence (after vernalisation)	late	late	late
<input checked="" type="checkbox"/> Plant: growth habit in spring	medium	erect to semi-erect	medium
<input type="checkbox"/> Plant: natural height in spring	tall	tall	tall
<input type="checkbox"/> *Flag leaf: length	long	long	long
<input checked="" type="checkbox"/> *Flag leaf: width	broad	broad	medium
<input type="checkbox"/> *Plant: length of longest stem, inflorescence included	long	long	long

Statistical Table

Organ/Plant Part: Context	'Aston'	'Emmerson'	'Feast II'
<input type="checkbox"/> Flag leaf: length (mm)			
Mean	241.00	237.00	251.00
Std. Deviation	50.57	55.53	38.39
LSD/sig	39.4	ns	ns
<input checked="" type="checkbox"/> Flag leaf: width (mm)			
Mean	10.38	10.00	8.61
Std. Deviation	1.31	1.53	1.01
LSD/sig	0.9	ns	P≤0.01
<input checked="" type="checkbox"/> Flag leaf: ratio length/width			
Mean	23.50	24.60	29.50
Std. Deviation	5.76	8.94	5.91
LSD/sig	2.48	ns	P≤0.01
<input checked="" type="checkbox"/> Plant: days to heading (from 1/10/2008)			
Mean	42.70	46.00	46.20
Std. Deviation	3.11	3.06	3.45
LSD/sig	2.12	P≤0.01	P≤0.01
<input type="checkbox"/> Stem: length (cm)			
Mean	135.00	139.90	134.30
Std. Deviation	17.40	16.24	12.92
LSD/sig	17.6	ns	ns
<input type="checkbox"/> Stem: internode length (cm)			

Mean	32.50	34.40	31.70
Std. Deviation	6.74	6.15	6.12
LSD/sig	9.45	ns	ns
<input type="checkbox"/> Spike: length (mm)			
Mean	367.00	362.00	353.00
Std. Deviation	54.23	45.72	40.41
LSD/sig	23.7	ns	ns
<input checked="" type="checkbox"/> Spike: number spikelets			
Mean	36.40	35.10	32.40
Std. Deviation	4.05	4.08	3.82
LSD/sig	2.62	ns	P≤0.01
<input type="checkbox"/> Spike: spikelet density			
Mean	10.17	10.39	10.61
Std. Deviation	1.55	1.35	1.66
LSD/sig	1.25	ns	ns
<input type="checkbox"/> Spikelet: length (mm)			
Mean	18.93	18.02	18.88
Std. Deviation	2.77	3.22	2.17
LSD/sig	1.7	ns	ns
<input checked="" type="checkbox"/> Glume: length (mm)			
Mean	9.57	8.78	10.22
Std. Deviation	1.06	1.97	1.48
LSD/sig	0.6	P≤0.01	P≤0.01

Prior Applications and Sales

Country	Year	Current Status	Name Applied
New Zealand	2008	Applied	'Aston'

First sale nil.

Description: **David Hawkey**, Heritage Seeds, Howlong, NSW.

Details of Application

Application Number	2008/057
Variety Name	'LM299'
Genus Species	<i>Lolium multiflorum</i>
Common Name	Italian Ryegrass
Synonym	Nil
Accepted Date	29 Jul 2008
Applicant	New Zealand Agriseeds Ltd, Christchurch, New Zealand
Agent	Heritage Seeds Pty Ltd, Howlong, NSW
Qualified Person	Philip Rhodes

Details of Comparative Trial

Location	Christchurch, New Zealand.
Descriptor	Ryegrass (new) (<i>Lolium</i> spp.) TG/4/8.
Period	Mar 2008 to Dec 2008.
Conditions	Seedlings raised in a glasshouse and transplanted into the field as spaced plants after a period of hardening off. Weeds were controlled by hand hoeing and overhead irrigation was applied as required.
Trial Design	Trial design was a randomised complete block, 6 replicates of 12 plants giving 72 plants per variety.
Measurements	Observations and measurements taken in the field at the appropriate growth stage. Measurements from 60 plants per variety.
RHS Chart - edition	Nil.

Origin and Breeding

Recurrent Phenotypic Selection: Plants from a 20+ year old dairy pasture in Bay of Plenty, New Zealand, were collected in Aug 1992. The collected plants were multiplied in isolation in 1993. A spaced plant nursery of approximately 1000 plants was drilled in 2000. The nursery was exposed to sheep grazing and selection pressure for improved winter yield, plant density, and rust resistance. Twenty-five plants were chosen at head emergence on type and morphological similarity and moved to cross pollinate in isolation to form LM299 in 2001. The variety has been extensively tested in cutting and grazing trials in New Zealand and Australia since 2002. The variety is maintained through four generations by controlled pollination. The original seed is stored under gene bank storage conditions at Agriseeds research farm. Breeder: Frances Wilson and Courtney Inch, New Zealand Agriseeds Limited, Christchurch, New Zealand.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	ploidy	diploid
Plant	time of inflorescence emergence	late
Plant	length	medium/medium to long
Inflorescence	length	medium/medium to long

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Concord'	
'Crusader'	
'CM209'	
'Hulk'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments	
E144B	Plant	time of inflorescence emergence	late	early	parental 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	'LM299'	'CM209'	'Concord'	'Crusader'	'Hulk'
<input type="checkbox"/> *Plant: ploidy	diploid	diploid	diploid	diploid	diploid
<input checked="" type="checkbox"/> Leaf: length	medium to long	short	medium	medium	short
<input checked="" type="checkbox"/> Leaf: width	medium	narrow	medium	medium	medium
<input checked="" type="checkbox"/> Leaf: intensity of green colour	light to medium	light to medium	light to medium	light to medium	medium to dark
<input checked="" type="checkbox"/> Plant: width	medium	medium	medium	wide	medium
<input checked="" type="checkbox"/> Plant: vegetative growth habit (after vernalisation)	semi-erect to medium	semi-erect	semi-erect	semi-erect to medium	erect
<input type="checkbox"/> *Plant: time of inflorescence emergence (after vernalisation)	late	late	late	late	late
<input checked="" type="checkbox"/> Plant: natural height at inflorescence emergence	medium	medium	short to medium	short to medium	tall
<input checked="" type="checkbox"/> Plant: width at inflorescence emergence	medium	medium	wide	wide	medium
<input checked="" type="checkbox"/> *Flag leaf: length	short to medium	medium to long	medium to long	medium to long	medium to long
<input checked="" type="checkbox"/> *Flag leaf: width	medium	medium	medium	broad	broad
<input checked="" type="checkbox"/> Flag leaf: length/width ratio	medium	high	medium	high	medium
<input type="checkbox"/> *Plant: length of longest stem,	medium	medium	medium	medium to long	medium to long

inflorescence included

<input checked="" type="checkbox"/>	Plant: length of upper internode	medium	short	medium	medium	medium
<input type="checkbox"/>	Inflorescence: length	medium	medium	medium	medium to long	medium
<input checked="" type="checkbox"/>	Inflorescence: number of spikelets	few to medium	medium to many	few to medium	few to medium	medium to many
<input checked="" type="checkbox"/>	Inflorescence: density	medium	dense	dense	medium	dense
<input checked="" type="checkbox"/>	Inflorescence: length of outer glume on basal spikelet	medium	short	short	medium	medium
<input checked="" type="checkbox"/>	Inflorescence: length of basal spikelet excluding awn	medium	short	medium	medium	medium

Statistical Table

Organ/Plant Part: Context	'LM299'	'CM209'	'Concord'	'Crusader'	'Hulk'
<input checked="" type="checkbox"/> Flag leaf: length (mm)					
Mean	189.00	219.00	227.00	242.00	228.00
Std. Deviation	35.95	29.82	32.17	47.08	42.19
LSD/sig	23.8	P≤0.01	P≤0.01	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Flag leaf: width (mm)					
Mean	7.98	7.94	8.73	9.10	9.58
Std. Deviation	0.91	0.83	0.95	1.30	1.25
LSD/sig	1.06	ns	ns	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Flag leaf: length/width ratio					
Mean	23.90	28.00	26.20	27.10	24.10
Std. Deviation	5.20	5.11	4.64	6.62	4.68
LSD/sig	2.35	P≤0.01	ns	P≤0.01	ns
<input type="checkbox"/> Inflorescence: time of emergence (days from 1 st Oct)					
Mean	45.90	46.30	46.50	47.20	45.40
Std. Deviation	3.72	3.34	3.57	3.63	3.84
LSD/sig	2.28	ns	ns	ns	ns
<input type="checkbox"/> Stem: length (cm)					
Mean	115.10	117.00	119.30	124.10	127.00
Std. Deviation	13.65	15.32	16.50	19.78	13.38
LSD/sig	15.21	ns	ns	ns	ns
<input checked="" type="checkbox"/> Upper internode: length (cm)					
Mean	31.70	25.40	32.70	31.70	29.90
Std. Deviation	7.07	5.78	7.39	5.14	5.63
LSD/sig	2.75	P≤0.01	ns	ns	ns
<input type="checkbox"/> Inflorescence: length (mm)					
Mean	302.00	290.00	292.00	323.00	310.00

Std. Deviation	43.80	41.88	37.47	43.18	42.51
LSD/sig	23.3	ns	ns	ns	ns
<input checked="" type="checkbox"/> Inflorescence: no. of spikelets					
Mean	31.10	33.40	32.70	32.50	34.40
Std. Deviation	4.56	3.64	4.08	4.09	5.16
LSD/sig	1.87	P≤0.01	ns	ns	P≤0.01
<input checked="" type="checkbox"/> Inflorescence: density					
Mean	9.87	8.77	9.06	10.02	9.15
Std. Deviation	1.84	1.43	1.65	1.36	1.46
LSD/sig	0.70	P≤0.01	P≤0.01	ns	P≤0.01
<input checked="" type="checkbox"/> Spikelet: length (mm)					
Mean	16.90	14.70	16.10	17.60	17.60
Std. Deviation	2.16	2.42	2.50	2.26	3.06
LSD/sig	1.32	P≤0.01	ns	ns	ns
<input checked="" type="checkbox"/> Outer glume: length (mm)					
Mean	8.40	7.10	7.20	8.00	7.80
Std. Deviation	1.44	1.37	1.25	1.08	1.36
LSD/sig	0.86	P≤0.01	P≤0.01	ns	ns

Prior Applications and Sales

Nil.

Description: **Philip Rhodes**, Halswell, Christchurch, New Zealand.

Details of Application

Application Number	2007/138
Variety Name	'Maximus'
Genus Species	<i>Lolium multiflorum</i>
Common Name	Italian Ryegrass
Synonym	Nil
Accepted Date	21 Jun 2007
Applicant	Barenbrug USA, Tangent, Oregon, USA
Agent	Heritage Seeds Pty Ltd, Howlong, NSW
Qualified Person	Allen Newman

Details of Comparative Trial

Location	Christchurch, New Zealand.
Descriptor	Ryegrass (new) (<i>Lolium</i> spp.) TG/4/8.
Period	Mar 2008 – Dec 2008.
Conditions	Seedlings raised in a glasshouse and transplanted into the field as spaced plants after a period of hardening off. Weeds controlled by hand hoeing and overhead irrigation applied as required.
Trial Design	Randomised complete block design with 6 reps of 12 plants, giving 72 plants per variety.
Measurements	Observations and measurements taken in the field at the appropriate growth stage. Measurements from 60 plants per variety.
RHS Chart - edition	N/A

Origin and Breeding

Phenotypic selection: Ten plants were collected from a naturally occurring population near Morelia, Central Mexico in spring 1998. The plants were selected for the aggressive growth habit, erect and upright growth. The seed from the 10 plants was harvested and used to set up a 3000 plant space plant nursery in fall 1998. In spring 1999, the 100 best plants were selected from the nursery based on freedom from stem rust, upright and erect growth, and high seed yields. The harvested seed from 100 best plants was used to setup another 3000 space plant nursery in fall 1999 and reselected for seed production characteristics. Nearly 100 best plants were harvested in summer 2000. In fall 2000 another 3000 plant nursery was established. In summer 2001, the nursery was harvested as bulk breeder seed for experimental variety BB-Mex-1. The seed was used for forage trials. Breeder: Barenbrug, USA, Tangent, Oregon, USA.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant cell	ploidy	tetraploid
Plant	vegetative growth habit	semi-erect/ semi-erect to medium
Plant	height in spring	tall
Plant	width in spring	medium

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Winterstar II'	
'Andy'	
'Archie'	
'T-Rex'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Tetlia'	Plant time of inflorescence emergence	medium	late	
Parental material	Inflorescence density	dense	medium	
Parental material	Plant stem rust resistance	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	'Maximus'	'Andy'	'Archie'	'T-Rex'	'Winterstar II'
<input type="checkbox"/> *Plant: ploidy	tetraploid	tetraploid	tetraploid	tetraploid	tetraploid
<input checked="" type="checkbox"/> Plant: vegetative growth habit (without vernalisation)	semi-erect	semi-erect to medium	semi-erect to medium	semi-erect	medium
<input checked="" type="checkbox"/> Leaf: length	long	medium	medium	long	medium
<input checked="" type="checkbox"/> Leaf: width	broad	medium	broad	broad	narrow
<input checked="" type="checkbox"/> Leaf: intensity of green colour	dark	medium	medium	dark	medium
<input type="checkbox"/> Plant: width	medium	medium	medium	medium	medium
<input checked="" type="checkbox"/> Plant: height	tall to very tall	very tall	tall to very tall	very tall	medium to tall
<input checked="" type="checkbox"/> *Plant: time of inflorescence emergence (after vernalisation)	medium	very late	late to very late	medium to late	late
<input checked="" type="checkbox"/> *Flag leaf: length	long	long to very long	long to very long	long to very long	medium
<input checked="" type="checkbox"/> *Flag leaf: width	broad	medium	medium	broad	medium
<input checked="" type="checkbox"/> Flag leaf: length/width ratio	medium	high to very high	high	medium	medium
<input type="checkbox"/> *Plant: length of	long to very	long	long	long to very	long to very

longest stem, inflorescence included	long			long	long
<input type="checkbox"/> Plant: length of upper internode	long	medium to long	medium to long	medium to long	medium to long
<input type="checkbox"/> Inflorescence: length	long	medium	medium	long	medium to long
<input checked="" type="checkbox"/> Inflorescence: number of spikelets	many	many	many	many	medium
<input checked="" type="checkbox"/> Inflorescence: density	dense	medium	medium	dense	dense
<input checked="" type="checkbox"/> Inflorescence: length of outer glume on basal spikelet	medium to long	short to medium	medium to long	long	long
<input checked="" type="checkbox"/> Inflorescence: length of basal spikelet excluding awn	long	medium	medium	long	medium

Statistical Table

Organ/Plant Part: Context	‘Maximus’	‘Andy’	‘Archie’	‘T-Rex’	‘Winterstar II’
<input checked="" type="checkbox"/> Spike: length (mm)					
Mean	402.00	358.00	356.00	398.00	373.00
Std. Deviation	55.28	50.12	41.40	52.19	60.90
LSD/sig	29.2	P≤0.01	P≤0.01	ns	ns
<input type="checkbox"/> Spike: number of spikelets					
Mean	35.50	35.20	36.20	35.00	33.00
Std. Deviation	4.88	3.55	3.39	4.25	3.86
LSD/sig	2.27	ns	ns	ns	P≤0.01
<input type="checkbox"/> Spike: spikelet density					
Mean	11.50	10.23	9.89	11.47	11.41
Std. Deviation	1.97	1.34	1.33	1.62	1.75
LSD/sig	0.79	P≤0.01	P≤0.01	ns	ns
<input checked="" type="checkbox"/> Spikelet: length (mm)					
Mean	25.22	19.66	20.01	25.15	20.95
Std. Deviation	3.50	2.91	3.10	3.86	3.17
LSD/sig	1.88	P≤0.01	P≤0.01	ns	P≤0.01
<input checked="" type="checkbox"/> Glume: length (mm)					
Mean	9.95	8.71	9.59	10.22	10.10
Std. Deviation	1.40	1.47	1.44	1.56	1.60
LSD/sig	0.79	P≤0.01	ns	ns	ns
<input checked="" type="checkbox"/> Flag leaf: length (mm)					
Mean	243.00	251.00	252.00	250.00	203.00
Std. Deviation	59.39	45.42	47.46	58.55	39.80
LSD/sig	36.5	ns	ns	ns	P≤0.01
<input checked="" type="checkbox"/> Flag leaf: width (mm)					
Mean	12.63	10.25	10.97	12.58	10.41
Std. Deviation	1.82	1.60	1.59	1.60	1.51

LSD/sig	1.07	P≤0.01	P≤0.01	ns	P≤0.01
<input checked="" type="checkbox"/> Flag leaf: ratio of length to width					
Mean	19.60	24.90	23.60	20.30	19.90
Std. Deviation	5.27	5.47	5.69	6.08	5.24
LSD/sig	2.55	P≤0.01	P≤0.01	ns	ns
<input checked="" type="checkbox"/> Plant: days to heading (days from 1 Oct 2008)					
Mean	33.50	46.40	43.90	36.80	39.00
Std. Deviation	4.81	2.28	2.80	6.93	4.33
LSD/sig	2.95	P≤0.01	P≤0.01	P≤0.01	P≤0.01
<input type="checkbox"/> Stem: length (cm)					
Mean	141.20	131.10	135.80	139.60	137.60
Std. Deviation	18.67	18.04	19.90	17.98	16.38
LSD/sig	11.12	ns	ns	ns	ns
<input type="checkbox"/> Stem: internode length (cm)					
Mean	40.00	32.20	33.60	34.20	34.80
Std. Deviation	6.74	5.77	7.29	6.60	5.71
LSD/sig	7.97	ns	ns	ns	ns

Prior Applications and Sales

Prior application nil. First sold in the USA in Aug 2004.

Description: **Allen Newman**, Heritage Seeds, Howlong, NSW.

Details of Application

Application Number	2005/307
Variety Name	'Nation'
Genus Species	<i>Lactuca sativa</i>
Common Name	Lettuce
Synonym	Nil
Accepted Date	20 Dec 2005
Applicant	Rijk Zwaan Zaadteelt en Zaadhandel BV, De Lier, The Netherlands
Agent	Rijk Zwaan Australia Pty Ltd, Daylesford, VIC
Qualified Person	Arie Baelde

Details of Comparative Trial

Overseas Testing	GEVES /FRANCE
Authority	
Overseas Data	1016153
Reference Number	
Location	GEVES / FRANCE Brion (49) et Cavallion (84).
Descriptor	Lettuce (<i>Lactuca sativa</i>) TG /13/9.
Period	2005.
Conditions	Grown under field conditions
Trial Design	N/A
Measurements	As per Lettuce (<i>Lactuca sativa</i>) TG /13/9
RHS Chart - edition	Nil

Origin and Breeding

Controlled pollination followed by plant and line selection: First observations were made on the F2-generation in Langeweg (near Fijnaart), the Netherlands in the year 1999. Total selection procedure comprised of six cycles of selection. The obvious mode of propagation between generations for lettuce is self pollination: this was also the mode of propagation used in this case. Slightly more coarsely lobed plants occur in a frequency of about 2 %. This is normal for this type of lettuce. The variety has been maintained for two generations in its present form. Main selection criteria: slow bolting, anthocyanin colouration, *Nasonovia* resistance, and *Bremia* resistance. Breeder: Rijk Zwaan Zaadteelt en Zaadhandel BV.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Seed	colour	white
Seedling	anthocyanin colouration	present
Leaf	hue of green colour of outer leaves	reddish
Leaf	anthocyanin colouration	present
Leaf	intensity of colour of outer leaves	dark/very dark
Resistance to	downy mildew (<i>Bremia lactucae</i>) Isolate Bl 23	present

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Bastille'	

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	'Nation'	'Bastille'
<input type="checkbox"/> *Seed: colour	white	white
<input type="checkbox"/> *Seedling: anthocyanin colouration	present	present
<input type="checkbox"/> Seedling: size of cotyledon	large	large to very large
<input type="checkbox"/> *Plant: diameter	medium to large	medium
<input type="checkbox"/> *Plant: head formation	open head	open head
<input checked="" type="checkbox"/> Head: density	loose	very loose
<input checked="" type="checkbox"/> Head: closing of base (butterhead type varieties in glasshouse only)	medium	strong
<input checked="" type="checkbox"/> *Head: shape in longitudinal section	broad elliptic	circular
<input checked="" type="checkbox"/> *Leaf: shape	transverse broad elliptic	circular
<input type="checkbox"/> *Leaf: hue of green colour of outer leaves	reddish	reddish
<input type="checkbox"/> *Leaf: intensity of colour of outer leaves	dark	dark to very dark
<input type="checkbox"/> *Leaf: anthocyanin colouration	present	present
<input type="checkbox"/> *Leaf: intensity of anthocyanin colouration	strong	strong
<input type="checkbox"/> Leaf: glossiness of upper side	medium	strong
<input type="checkbox"/> *Leaf: blistering	medium to strong	strong
<input type="checkbox"/> *Leaf blade: degree of undulation of margin	strong	strong to very strong
<input type="checkbox"/> Leaf blade: incisions of margin on apical part	present	present
<input type="checkbox"/> *Leaf blade: depth of incisions on margin on apical part	shallow	very shallow to shallow
<input type="checkbox"/> *Time of: beginning of bolting under long day conditions	medium	early to medium
<input type="checkbox"/> Plant: height	short to medium	medium
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate B1 21	absent	absent
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate B1 18	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate B1 17	present	
<input type="checkbox"/> *Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate B1 23	present	present

<input type="checkbox"/>	Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate B1 22	present	present
<input type="checkbox"/>	Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate B1 12	present	
<input type="checkbox"/>	Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate B1 15	present	
<input type="checkbox"/>	Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate B1 16	present	
<input type="checkbox"/>	Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate B1 24	present	present
<input type="checkbox"/>	Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate B1 20	present	present
<input type="checkbox"/>	Resistance to: lettuce mosaic virus Strain Ls 1	absent	absent

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Nation'	'Bastille'
<input checked="" type="checkbox"/> Resistance to : <i>Nasonovia ribisnigri</i> biotype 0	present	absent

Prior Applications and Sales

Country	Year	Current Status	Name Applied
EU	2004	Granted	'Nation'

First Australian sale Oct 2004. Sold in the Netherlands in Jun 2004.

Description: **Arie Baelde**, Rijk Zwaan Australia Pty Ltd, Daylesford, VIC.

Details of Application

Application Number	2006/301
Variety Name	'KITARE'
Genus Species	<i>Lactuca sativa</i>
Common Name	Lettuce
Synonym	Nil
Accepted Date	22 Dec 2006
Applicant	Rijk Zwaan Zaadteelt en Zaadhandel BV, De Lier, The Netherlands
Agent	Rijk Zwaan Australia Pty Ltd, Daylesford, VIC
Qualified Person	Arie Baelde

Details of Comparative Trial

Overseas Testing	GEVES / France
Authority	
Overseas Data	1018679
Reference Number	
Location	GEVES/France Brion (49) et Cavallion (84).
Descriptor	Lettuce (<i>Lactuca sativa</i>) TG/13/9.
Period	2006.
Conditions	Grown under field conditions
Trial Design	N/A
Measurements	As per Lettuce (<i>Lactuca sativa</i>) TG /13/9
RHS Chart - edition	Nil

Origin and Breeding

Controlled pollination: a modified line and pedigree selection method to select 'Kibou' from a crossing between a 'Kristine' cross and a Rijk Zwaan breeding line. Main selection criteria: *Bremia* resistance, *Nasonovia* resistance, LMV resistance, slow bolting, no tip-burn. Breeder: Rijk Zwaan Zaadteelt en Zaadhandel BV.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Seed	colour	black
Leaf	anthocyanin colouration	absent
Plant	head formation	open head
Plant	diameter	medium/large
Seedling	anthocyanin colouration	absent
Resistance to	downy mildew (<i>Bremia lactucae</i>) Isolate BI 23	resistant

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Kipling'	

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	‘KITARE’	‘Kipling’
<input type="checkbox"/> *Seed: colour	black	black
<input type="checkbox"/> *Seedling: anthocyanin colouration	absent	absent
<input type="checkbox"/> Seedling: size of cotyledon	large	
<input type="checkbox"/> Leaf: attitude at 10-12 leaf stage	semi-erect	
<input type="checkbox"/> Leaf blade: division	lobed	lobed
<input type="checkbox"/> *Plant: diameter	medium to large	large
<input type="checkbox"/> *Plant: head formation	open head	open head
<input type="checkbox"/> Head: density	loose to medium	
<input type="checkbox"/> Head: size	small	
<input type="checkbox"/> Leaf: attitude at harvest maturity	semi-erect to horizontal	horizontal
<input type="checkbox"/> *Leaf: shape	transverse elliptic	transverse elliptic
<input checked="" type="checkbox"/> *Leaf: intensity of colour of outer leaves	light to medium	very light
<input type="checkbox"/> *Leaf: anthocyanin colouration	absent	absent
<input type="checkbox"/> *Leaf: blistering	medium to strong	strong
<input type="checkbox"/> *Leaf blade: degree of undulation of margin	weak	weak
<input type="checkbox"/> Leaf blade: incisions of margin on apical part	absent	
<input type="checkbox"/> *Time of: beginning of bolting under long day conditions	early to medium	early to medium
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate B1 21	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate B1 18	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate B1 17	present	present
<input type="checkbox"/> *Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate B1 23	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate B1 22	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate B1 16	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate B1 24	present	present
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate B1 20	present	present

<input type="checkbox"/>	Resistance to: lettuce mosaic virus Strain Ls 1	present	present
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Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context

‘KITARE’

‘Kipling’

<input type="checkbox"/>	Tolerance to : <i>Nasonovia ribisnigri</i>	present	present
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Prior Applications and Sales

Country	Year	Current Status	Name Applied
EU	2005	Granted	‘KITARE’

First Australian sale Jan 2006. Sold in the New Zealand in Oct 2005.

Description: **Arie Baelde**, Rijk Zwaan Australia Pty Ltd, Daylesford, VIC.

Details of Application

Application Number	2006/268
Variety Name	'Renoir'
Genus Species	<i>Lactuca sativa</i>
Common Name	Lettuce
Synonym	Nil
Accepted Date	26 Oct 2006
Applicant	Rijk Zwaan Zaadteelt en Zaadhandel BV, De Lier, The Netherlands
Agent	Rijk Zwaan Australia Pty Ltd, Daylesford, VIC
Qualified Person	Arie Baelde

Details of Comparative Trial

Overseas Testing	GEVES / France
Authority	
Overseas Data	1018679
Reference Number	
Location	GEVES / France Brion (49) et Cavallion (84)
Descriptor	Lettuce (<i>Lactuca sativa</i>) TG/13/9
Period	2006
Conditions	Grown under field conditions
Trial Design	N/A
Measurements	As per Lettuce (<i>Lactuca sativa</i>) TG /13/9
RHS Chart - edition	Nil

Origin and Breeding

Controlled pollination: a modified line and pedigree selection method to select 'Renoir' out of a cross between 'Picasso' and a Rijk Zwaan breeding line with advanced resistance to *Bremia lactucae*. Main selection criteria: *Bremia* resistance, multi-leaf trait, intense red colour, no tip-burn. Breeder: Rijk Zwaan Zaadteelt en Zaadhandel B.V.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Seed	colour	black
Seedling	anthocyanin colouration	present
Leaf	anthocyanin colouration	present
Leaf	hue of colour of outer leaves	reddish
Leaf	intensity of colour of outer leaves	dark to very dark
Leaf	intensity of anthocyanin colouration	strong to very strong
Leaf	blistering	very weak to weak
Leaf blade	degree of undulation of margin	absent or very weak
Resistance to	downy mildew (<i>Bremia lactucae</i>)	resistance
	Isolate Bl 23	
Leaf	shape	elliptic

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Picasso'	

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	'Renoir'	'Picasso'
<input type="checkbox"/> *Seed: colour	black	black
<input type="checkbox"/> *Seedling: anthocyanin colouration	present	present
<input type="checkbox"/> Seedling: size of cotyledon	small to medium	small
<input type="checkbox"/> Seedling: shape of cotyledon	broad elliptic	elliptic to broad elliptic
<input type="checkbox"/> *Plant: diameter	small to medium	small
<input type="checkbox"/> *Plant: head formation	no head	no head
<input type="checkbox"/> *Leaf: shape	elliptic	elliptic
<input type="checkbox"/> *Leaf: intensity of colour of outer leaves	dark to very dark	dark to very dark
<input type="checkbox"/> *Leaf: hue of colour of outer leaves	reddish	reddish
<input type="checkbox"/> *Leaf: anthocyanin colouration	present	present
<input type="checkbox"/> Leaf: intensity of anthocyanin colouration	strong to very strong	strong to very strong
<input type="checkbox"/> *Leaf: blistering	very weak to weak	very weak to weak
<input type="checkbox"/> *Leaf blade: degree of undulation of margin	absent or very weak	absent or very weak
<input type="checkbox"/> Leaf: glossiness of upper side	medium	weak to medium
<input type="checkbox"/> *Time of: beginning of bolting under long day conditions	late to very late	very late
<input type="checkbox"/> Plant: intensity of fasciation	very strong	strong
<input checked="" type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate B1 18	present	absent
<input checked="" type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate B1 17	present	absent
<input checked="" type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate B1 22	present	absent
<input checked="" type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate B1 24	present	absent
<input checked="" type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate B1 20	present	absent

Prior Applications and Sales

Country	Year	Current Status	Name Applied
EU	2006	Granted	'Renoir'

First Australian sale Oct 2005. Sold in the Netherlands in May 2005.

Description: **Arie Baelde**, Rijk Zwaan Australia Pty Ltd, Daylesford, VIC.

Details of Application

Application Number	2006/272
Variety Name	'MURAI'
Genus Species	<i>Lactuca sativa</i>
Common Name	Lettuce
Synonym	Nil
Accepted Date	10 Nov 2006
Applicant	Rijk Zwaan Zaadteelt en Zaadhandel BV, De Lier, The Netherlands
Agent	Rijk Zwaan Australia Pty Ltd, Daylesford, VIC
Qualified Person	Arie Baelde

Details of Comparative Trial

Overseas Testing	GEVES /FRANCE
Authority	
Overseas Data	1017937
Reference Number	
Location	GEVES/ France Brion (49) et Cavallion (84).
Descriptor	Lettuce (<i>Lactuca sativa</i>) TG/13/9.
Period	2006.
Conditions	Lettuce (<i>Lactuca sativa</i>) TG /13/9.
Trial Design	2005.
Measurements	Grown under field conditions
RHS Chart - edition	N/A

Origin and Breeding

Controlled pollination: a modified line and pedigree selection method to select 'Murai' out of a cross between two Rijk Zwaan breeding lines. Main selection criteria: *Bremia*-, *Nasonovia*- and LMV-resistance, slow bolting, no tipburn, intense red colour .Breeders: Rijk Zwaan Zaadteelt en Zaadhandel BV.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Seed	colour	black
Plant	diameter	large
Leaf	shape	transverse elliptic
Leaf	hue of green colour of outer leaves	reddish
Leaf	anthocyanin colouration	present
Leaf	blistering	strong
Resistance to	downy mildew (<i>Bremia lactucae</i>) Isolate Bl 23	present

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Anikai'	

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	‘MURAI’	‘Anikaï’
<input type="checkbox"/> *Seed: colour	black	black
<input checked="" type="checkbox"/> *Seedling: anthocyanin colouration	absent	present
<input type="checkbox"/> Seedling: size of cotyledon	large	large to very large
<input checked="" type="checkbox"/> Seedling: shape of cotyledon	elliptic	broad elliptic
<input type="checkbox"/> *Plant: diameter	large	large
<input type="checkbox"/> Head: density	loose	dense
<input type="checkbox"/> Head: size	small	medium
<input type="checkbox"/> *Leaf: shape	transverse elliptic	transverse elliptic
<input type="checkbox"/> *Leaf: hue of green colour of outer leaves	reddish	reddish
<input type="checkbox"/> *Leaf: anthocyanin colouration	present	present
<input checked="" type="checkbox"/> *Head: shape in longitudinal section	circular	broad elliptic
<input checked="" type="checkbox"/> Leaf: attitude at harvest maturity	horizontal	semi-erect
<input type="checkbox"/> *Leaf: intensity of colour of outer leaves	dark	dark
<input type="checkbox"/> *Leaf: intensity of anthocyanin colouration	strong to very strong	medium to strong
<input type="checkbox"/> *Leaf: blistering	strong	strong
<input type="checkbox"/> Leaf: size of blisters	medium	small
<input type="checkbox"/> *Leaf blade: degree of undulation of margin	absent or very weak to weak	weak
<input type="checkbox"/> *Time of: beginning of bolting under long day conditions	medium to late	medium
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate B1 31	present	present

Prior Applications and Sales

Country	Year	Current Status	Name Applied
EU	2005	Granted	‘MURAI’

First sold in the Netherlands in Jul 2005.

Description: **Arie Baelde**, Rijk Zwaan Australia Pty Ltd, Daylesford, VIC.

Details of Application

Application Number	2007/318
Variety Name	'SARTRE'
Genus Species	<i>Lactuca sativa</i>
Common Name	Lettuce
Synonym	Nil
Accepted Date	14 Feb 2008
Applicant	Rijk Zwaan Zaadteelt en Zaadhandel BV, De Lier, The Netherlands
Agent	Rijk Zwaan Australia Pty Ltd, Daylesford, VIC
Qualified Person	Arie Baelde

Details of Comparative Trial

Overseas Testing	Roelofarendsveen/The Netherlands
Authority	
Overseas Data	SLA 1615 TP/13/2
Reference Number	
Location	Roelofarendsveen / The Netherlands
Descriptor	Lettuce (<i>Lactuca sativa</i>) TG /13/9
Period	2007
Conditions	Grown under field conditions
Trial Design	N/A
Measurements	As per Lettuce (<i>Lactuca sativa</i>) TG /13/9
RHS Chart - edition	Nil

Origin and Breeding

Controlled pollination: 'Sartre' was developed to provide a "multi-leaf" option with a high degree of resistance to Downey mildew, a high yield of small uniform leaves and tolerance to bolting under long day and high temperature conditions. A modified line and pedigree selection method to select 'Sartre' out of a cross between 'Voltaire' and a Rijk Zwaan breeding line with advanced resistance to *Bremia lactucae*. The maternal parent was similar to Rijk Zwaan variety 'Socrates', the first multi leaf variety in the butterhead type. The parental parent derived from cross between 'Socrates' and slow bolting Rijk Zwaan breeding line. DNA analysis using PCR was employed to select Downey mildew resistant individuals amongst plants with desirable phenotype selected in the field. The resistance was confirmed in the higher generations using a conventional downy mildew test which involves the spraying of a spore suspension of the different isolates on young seedlings with almost fully expanded cotyledons. Main selection criteria: Bremia-resistance, multileaf-trait, no tip-burn. Breeders: Rijk Zwaan Zaadteelt en Zaadhandel B.V.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Seed	colour	black
Seedling	anthocyanin colouration	absent
Resistance to	downy mildew (<i>Bremia lactucae</i>) Isolate BI 23	resistant
Leaf	blistering	absent or very weak
Plant	head formation	no head
Plant	"multileaf" habit	present

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'VOLTAIRE'	parent
'SOCRATES'	"Multileaf" green butterhead 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	'SARTRE'	'SOCRATES'	'VOLTAIRE'
<input type="checkbox"/> *Seed: colour	black	black	black
<input type="checkbox"/> *Seedling: anthocyanin colouration	absent	absent	absent
<input checked="" type="checkbox"/> Leaf: attitude at 10-12 leaf stage	semi-erect to prostrate	erect to semi-erect	semi-erect
<input type="checkbox"/> *Plant: head formation	no head	no head	no head
<input type="checkbox"/> Leaf: attitude at harvest maturity	semi-erect	semi-erect	semi-erect
<input type="checkbox"/> *Leaf: shape	broad elliptic	broad elliptic	broad elliptic
<input type="checkbox"/> *Leaf: hue of green colour of outer leaves	absent	absent	absent
<input type="checkbox"/> *Leaf: anthocyanin colouration	absent	absent	absent
<input type="checkbox"/> *Leaf: blistering	absent or very weak	absent or very weak	absent or very weak to weak
<input type="checkbox"/> *Leaf blade: degree of undulation of margin	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/> Leaf blade: incisions of margin on apical part	absent	absent	absent
<input type="checkbox"/> Axillary: sprouting	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/> Time of: harvest maturity	early	early	early to medium
<input type="checkbox"/> *Time of: beginning of bolting under long day conditions	very late	late to very late	late to very late
<input type="checkbox"/> Plant: intensity of fasciation	very strong	very strong	very strong
<input type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate B1 21	present	present	present
<input type="checkbox"/> *Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate B1 23	present	present	present
<input checked="" type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate B1 22	present	absent	present
<input checked="" type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate B1 24	present	absent	present
<input checked="" type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate B1 20	present	absent	present

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	‘SARTRE’	‘SOCRATES’	‘VOLTAIRE’
<input checked="" type="checkbox"/> Resistance to: downy mildew (<i>Bremia lactucae</i>), Isolate B1 25	present	absent	absent
<input type="checkbox"/> Plant: “multileaf” habit	present	present	present

Prior Applications and Sales

Country	Year	Current Status	Name Applied
The Netherlands	2006	Granted	‘SARTRE’
EU	2007	Applied	‘SARTRE’

First Australian sale Dec 2006. Sold in the Netherlands in Jul 2007.

Description: **Arie Baelde**, Rijk Zwaan Australia Pty Ltd, Daylesford, VIC.

Details of Application

Application Number	2008/244
Variety Name	'Cosmos'
Genus Species	<i>Lactuca sativa</i>
Common Name	Lettuce
Synonym	Nun 6027 LT
Accepted Date	11 Sep 2008
Applicant	Nunhems B.V., Haelen, The Netherlands
Agent	Shelston IP, Sydney, NSW
Qualified Person	John Oates

Details of Comparative Trial

Overseas Testing	Community Plant Variety Office (CPVO)
Authority	
Overseas Data	Decision No: 23283 (Application no: 2007/0021)
Reference Number	
Location	Raad voor plantenrassen, Ede, NL
Descriptor	Lettuce (<i>Lactuca sativa</i>) TG/13/2
Period	2007

Origin and Breeding

Controlled pollination: after the cross was made between line 71963728 and line 72956835 a number of F₁ seeds were self-pollinated. From the 2nd until the 5th generation pedigree selection was performed based on visual selection of plant characteristics like head shape, head size, grow vigour, leaf colour, time to the beginning of bolting, leaf colour in combination with disease tests against *Bremia lactucae* and *Nasonovia ribisnigri*. From the 6th to the 8th generation line selection was performed. 'Cosmos' has been observed from the 6th till the 8th generation on different locations and during seed increase and is uniform, stable and free of off types. Breeder: Nunhems B.V., lettuce breeding team.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Seed	colour	white
Plant	shape in longitudinal section	elliptical
Leaf blade	anthocyanin colouration	absent

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Clemente'	

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	‘Cosmos’	‘Clemente’
<input type="checkbox"/> *Seed: colour	white	white
<input type="checkbox"/> *Seedling: anthocyanin colouration	absent	absent
<input checked="" type="checkbox"/> Leaf: attitude at 10-12 leaf stage	semi-erect	erect
<input type="checkbox"/> Leaf blade: division	entire	entire
<input checked="" type="checkbox"/> *Plant: diameter	large to very large	medium
<input checked="" type="checkbox"/> *Plant: head formation	closed head	open head
<input type="checkbox"/> Head: degree of overlapping of upper part of leaves (varieties with closed head formation only)	very weak to weak	
<input type="checkbox"/> Head: density	loose	loose
<input checked="" type="checkbox"/> Head: size	medium	large
<input checked="" type="checkbox"/> *Head: shape in longitudinal section	broad elliptic	narrow elliptic
<input checked="" type="checkbox"/> Leaf: thickness	thick	medium
<input type="checkbox"/> Leaf: attitude at harvest maturity	erect to semi-erect	erect to semi-erect
<input checked="" type="checkbox"/> *Leaf: shape	broad elliptic	medium elliptic
<input type="checkbox"/> Leaf: shape of tip	rounded	rounded
<input checked="" type="checkbox"/> *Leaf: hue of green colour of outer leaves	absent	greyish
<input checked="" type="checkbox"/> *Leaf: intensity of colour of outer leaves	dark	medium
<input type="checkbox"/> *Leaf: anthocyanin colouration	absent	absent
<input checked="" type="checkbox"/> Leaf: glossiness of upper side	medium to strong	very weak to weak
<input type="checkbox"/> *Leaf: blistering	medium	medium
<input type="checkbox"/> Leaf: size of blisters	small to medium	medium
<input type="checkbox"/> *Leaf blade: degree of undulation of margin	very weak to weak	very weak to weak
<input type="checkbox"/> Leaf blade: incisions of margin on apical part	absent	absent
<input type="checkbox"/> Leaf blade: venation	not flabellate	not flabellate
<input type="checkbox"/> Axillary: sprouting	weak	weak
<input checked="" type="checkbox"/> Time of: harvest maturity	very late	early
<input checked="" type="checkbox"/> *Time of: beginning of bolting under long day conditions	very late	medium to late
<input checked="" type="checkbox"/> Plant: fasciation	present	absent
<input type="checkbox"/> Plant: intensity of fasciation	very weak	
<input type="checkbox"/> *Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:16	present	

<input type="checkbox"/>	Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:18	present
<input type="checkbox"/>	Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:20	present
<input type="checkbox"/>	Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:21	present
<input type="checkbox"/>	Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:22	absent
<input type="checkbox"/>	Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:23	present
<input type="checkbox"/>	Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:24	present
<input type="checkbox"/>	Resistance to: downy mildew (<i>Bremia lactucae</i>) Isolate Bl:25	present
<input type="checkbox"/>	Resistance to: lettuce mosaic virus (LMV) Strain Ls 1	absent

Prior Applications and Sales

Country	Year	Current Status	Name Applied
The Netherlands	2006	Granted	'Cosmos'
EU	2007	Granted	'Cosmos'

First sold in Ireland in Dec 2005.

Description: **John Oates**, VF Solutions, Tuross Head, NSW.

Details of Application

Application Number	2008/212
Variety Name	'RB1'
Genus Species	<i>Dietes robinsoniana</i>
Common Name	Lord Howe Wedding Lily
Synonym	Nil
Accepted Date	28 Aug 2008
Applicant	John R Drinkwater, Mt Colah, NSW
Agent	N/A
Qualified Person	Ian Paananen

Details of Comparative Trial

Location	Middle Dural, NSW
Descriptor	General Descriptor (for plant varieties with no descriptor available) PBR GEN-DES.
Period	Spring 2008.
Conditions	Trial conducted in open beds, plants propagated from cuttings, planted into 400mm pots filled with soilless potting mix, nutrition maintained with slow release and liquid fertilisers, irrigation by overhead watering, pest and disease treatments not required.
Trial Design	Ten pots of each variety arranged in a completely randomised design.
Measurements	From ten plants.
RHS Chart - edition	2007

Origin and Breeding

Controlled pollination: *Dietes robinsoniana* x *Dietes robinsoniana*. The seed and pollen parents are characterised by a medium leaf length and width and medium growth vigour. Selection took place in Middle Dural, NSW in 2008. Selection criteria: long leaf length, broad leaf width, strong plant growth vigour, good commercial traits suited to landscape industry. Propagation: vegetative by division is found to be uniform and stable. Breeder: John R Drinkwater, Mt Colah, NSW. All work was carried out at Middle Dural, 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 blade	presence of variegation	absent

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
<i>Dietes robinsoniana</i>	common species form

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	‘RB1’	<i>Dietes robinsoniana</i>
<input checked="" type="checkbox"/> Leaf: length of blade	long	medium
<input checked="" type="checkbox"/> Leaf: width of blade	broad to very broad	medium
<input type="checkbox"/> Leaf: presence of variegation	absent	absent
<input type="checkbox"/> Leaf: primary colour (RHS colour chart)	N137A	N137A

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	‘RB1’	<i>Dietes robinsoniana</i>
<input type="checkbox"/> Peduncle: colour (RHS)	144A	144A
<input type="checkbox"/> Pedicel: colour (RHS)	144A	144A
<input type="checkbox"/> Leaf: colour of margin (RHS)	151A	151A
<input type="checkbox"/> Sepal: colour (RHS)	144A	144A
<input type="checkbox"/> Seed pod: colour (RHS)	144A	144A
<input type="checkbox"/> Flower: main colour (RHS)	155A	155A
<input type="checkbox"/> Flower: secondary colour (RHS)	17A	17A

Statistical Table

Organ/Plant Part: Context	‘RB1’	<i>Dietes robinsoniana</i>
<input checked="" type="checkbox"/> Leaf blade: length (mm)		
Mean	93.3	80.9
Std. Deviation	9.10	6.70
LSD/sig	9.13	P≤0.01
<input checked="" type="checkbox"/> Leaf blade: width (mm)		
Mean	47.70	34.80
Std. Deviation	5.50	3.40
LSD/sig	5.24	P≤0.01
<input checked="" type="checkbox"/> Leaf blade: length:width ratio		
Mean	1.97	2.35
Std. Deviation	0.20	0.30
LSD/sig	0.29	P≤0.01

Prior Applications and Sales

Nil.

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

Details of Application

Application Number	2006/278
Variety Name	'Merbeingold 2350'
Genus Species	<i>Citrus reticulata</i> x (<i>Citrus reticulata</i> x <i>Citrus sinensis</i>)
Common Name	Mandarin hybrid
Synonym	Nil
Accepted Date	1 Dec 2006
Applicant	Commonwealth Scientific and Industrial Research Organisation, Canberra, ACT
Agent	N/A
Qualified Person	Stephen Sykes

Details of Comparative Trial

Location	Koorlong, north-west VIC and citrus grower properties in NSW, VIC and SA.
Descriptor	Mandarin (<i>Citrus</i>) TG/201/1.
Period	2001-2008.
Conditions	Two types of trial were conducted. The first trial type was a DUS trial established as a randomised block design on CSIRO land at Koorlong NW Victoria. The second trial type was a series of plantings of the candidate and its sibling, Merbeingold 2336. These trials were based on grower properties and were established either as nursery propagated trees or by top working established orchard trees. The grower-based trials were used primarily to collect fruit yield and quality data under a range of conditions. The DUS trial was used to collect these data along with morphological data for comparative purposes. The variety description was based on trees in both types of trial.
Trial Design	Trees of 'Merbeingold 2350' and 4 comparator varieties (viz. 'Clementine Nules', 'Imperial' mandarin, 'Ellendale' tangor, and 'Merbeingold 2336') were propagated by budding to 3 rootstocks (viz. 'Carrizo' citrange, 'Cleopatra' mandarin and 'Symons' sweet orange) in the nursery at CSIRO. The DUS trial was planted during spring 2001. The soil type was classified as being Tiltao sand (Northcote, K.H. 1951. A Pedological Study of the Soils Occurring at Coomealla, New South Wales, Commonwealth Scientific and Industrial Research Organisation, Melbourne, Australia). The trees were irrigated by overhead sprays and fertilised using a standard citrus N:P:K (12:3:3) formulation. Fertiliser was applied to young trees at 2-monthly intervals and to trees 2 years and older at six-monthly intervals at a rate such that they received 800 kg/ha/year. Trace elements, primarily manganese and zinc were applied as foliar sprays as required. The trial was embedded within a larger trial that compared other selections from CSIRO's citrus breeding program. The trial was laid out as two randomized blocks with a three-tree plot for every scion/rootstock combination within each block. Rootstocks were randomized within plots. Trees were maintained

vegetatively for the first three years and allowed to retain fruits from season 2004-05 onwards. Trees for grower-based trials were either nursery propagated trees or top-worked pre-established orchard trees. Nursery propagated trees were produced by budding 'Merbeingold 2350' and 'Merbeingold 2336' into one of three rootstocks, viz. 'Symons' sweet orange, 'Carrizo' citrange or 'Cleopatra' mandarin. The rootstock and interstock of top worked trees varied according to site and availability. Trees were established using whatever planting configuration the participating grower requested.

Measurements

Variety description was based on descriptors provided by UPOV CPVO-TP/201/1 Protocol for distinctness, uniformity and stability tests. *Citrus* L. - Group 1 Mandarins (18/11/2004), and IPGRI (1999) Descriptors for *Citrus*. International Plant Genetic Resources Institute, Rome, Italy (ISBN 92-9043-425-2). Fruit were harvested from the trees according to maturity, which was gauged by sampling fruits and recording juice sugar:acid ratios. Fruit were harvested by snapping them from the tree to assess the need to clip, graded for size, weighed and counted. A sub-sample of six fruits were taken from the three median grades for each tree and analysed for a range of characteristics. These included, rind colour, rind texture, fruit weight/size, shape, rind thickness, ease-of-peeling, rind strength in terms of being able to be snapped from the tree, % juice content on a fresh weight basis, seed numbers, juice sugar in degrees Brix, % citric acid and sugar:acid ratios. Rind colour was measured using the chart of Yamazaki, T. and Suzuki, K. (1980 - Color charts: Useful guide to evaluate the fruit maturation. 1. Colorimetric specifications of color charts for Japanese pear, apple, peach, grape, kaki and citrus fruits. Bull. Fruit Tree Res. Stn. A., 7, 19-44). Comparative data for quantitative fruit characteristics were collected in seasons 2006 and 2007. Spring-flush leaves were sampled from trees during Jan 2007. Lamina width at its widest point, petiole and lamina lengths were recorded for a random sub-set of 30 leaves of each tree. Leaf length and ratios of lamina length:width, leaf length:width, leaf length:petiole length and lamina length:petiole length were calculated. Flowers were sampled from the trees in the DUS trial during Oct 2007. The length of stamens, filaments, pistil and style were measured in a random sample of at least 20 flowers per tree. Ratios of style:filament, style:stamen, pistil:filament and pistil:stamen were calculated.

RHS Chart - edition

Nil

Origin and Breeding

'Merbeingold 2350' was selected from a family of 305 hybrids generated by crossing 'Imperial' mandarin (maternal parent) with 'Ellendale' tangor (pollen parent). The cross was made in 1984 and the resultant seeds were extracted from fruits in 1985 and sown in a standard seed bed under glasshouse conditions. Emergent seedlings were transferred to a standard potting mix in pots and maintained under glasshouse conditions until they were rowed out in the breeding orchard at a planting density of 1.5m within and 6m between rows. Hybrid seedlings were maintained under irrigated orchard conditions thereafter. Standard citrus cultivation techniques were used to maintain the trees including application of fertilisers. When hybrid 2350 started to flower, it was subjected to a range of pollination treatments to assess its potential for producing seedless fruits. Fruits were harvested over 4 years and assessed for fruit quality. Based on the data collected, hybrid 2350 was selected for entry into second phase evaluation trials. It was entered into a comparative trial at CSIRO Plant Industry (NW Victoria) and also into regional test plots with anonymous cooperating growers. Based on its performance in these trials and test plots, hybrid 2350 was named 'Merbeingold 2350'.

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	ratio length/diameter	small
Fruit	presence of neck	absent
Fruit/seed	fruit develop without fertilisation	parthenocarpic
Seed	embryony	monoembryonic

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Ellendale'	Tangor variety. Parent of the candidate; monoembryonic, parthenocarpic and mid-to-late season in fruit maturity.
'Merbeingold 2336'	Sibling of candidate; monembryonic, parthenocarpic and early-to-mid season in maturity.
'Clementine Nules'	There are a number of Clementine mandarins. 'Clementine Nules' was selected as a representative variety of this group.
'Imperial'	Mandarin variety. Parent of the candidate; monembryonic, parthenocarpic and early maturing fruit that hold on the tree and maintain quality.

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety
'Satsuma'	Seed embryony	monoembryonic	Mandarin variety. Polyembryonic.
'Sunset'	Seed embryony	monoembryonic	Mandarin variety. Polyembryonic.
'Nova'	Seed embryony	monoembryonic	Mandarin variety. Polyembryonic.

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	'Merbeingold 2350'	'Clementine Nules'	'Ellendale'	'Imperial'	'Merbeingold 2336'
<input type="checkbox"/> Ploidy:	diploid	diploid	diploid	diploid	diploid
<input checked="" type="checkbox"/> *Tree: growth habit	spreading	drooping	spreading	upright	spreading
<input type="checkbox"/> Tree: density of spines	absent or sparse	absent or sparse	absent or sparse	absent or sparse	absent or sparse
<input type="checkbox"/> Tree: length of spines	short	short	short	short	very short
<input type="checkbox"/> Leaf blade: length	medium	medium to long	medium	medium	medium
<input type="checkbox"/> Leaf blade: width	narrow to medium	narrow to medium	medium	narrow	medium to broad
<input type="checkbox"/> Leaf blade: ratio length/width	medium	medium	medium to large	medium to large	medium
<input type="checkbox"/> Leaf blade: shape in cross section	intermediate	intermediate	intermediate	intermediate	intermediate
<input type="checkbox"/> Leaf blade: twisting	absent or weak	absent or weak	absent or weak	absent or weak	absent or weak
<input type="checkbox"/> Leaf blade: green colour	dark to very dark	dark to very dark	dark to very dark	dark to very dark	dark to very dark
<input type="checkbox"/> Leaf blade: incisions of margin	absent	absent	absent	absent	crenate
<input type="checkbox"/> Leaf blade: shape of apex	acute	acute	acute	acute	acute
<input type="checkbox"/> Petiole: length	short	short	short	short	short
<input checked="" type="checkbox"/> Petiole: presence of wings	present	absent	present	present	absent
<input checked="" type="checkbox"/> Petiole: width of wings (varieties with petiole wings present only)	very narrow to narrow		narrow	very narrow to narrow	
<input checked="" type="checkbox"/> Anther: colour	light yellow	medium yellow	medium yellow	light yellow	white
<input type="checkbox"/> Anther: viable pollen	present	present	present	present	absent
<input type="checkbox"/> *Fruit: ratio length/diameter	small	small	small	small	small
<input type="checkbox"/> *Fruit: position of broadest part	at middle	at middle	at middle	at middle	at middle
<input type="checkbox"/> Fruit: shape in transverse section	circular	circular	circular	circular	circular
<input type="checkbox"/> *Fruit: general shape	flattened	flattened	flattened	flattened	flattened

of proximal part

<input type="checkbox"/> *Fruit: presence of neck	absent	absent	absent	absent	absent
<input type="checkbox"/> Fruit: presence of constriction at stalk end	absent	absent	absent	absent	absent
<input type="checkbox"/> Fruit: number of radial grooves at stalk end	intermediate	intermediate	absent or few	absent or few	intermediate
<input type="checkbox"/> Fruit: presence of collar	absent	absent	absent	present	absent
<input type="checkbox"/> *Fruit: general shape of distal part	flattened	flattened	flattened	slightly rounded	flattened
<input type="checkbox"/> *Fruit: presence of depression at distal end	absent	present	present	present	present
<input type="checkbox"/> *Fruit: presence of areola	absent	absent	absent	absent	absent
<input type="checkbox"/> Fruit: diameter of stylar scar	small	small	small	small	small
<input type="checkbox"/> Fruit: persistence of style	none	none	none	none	none
<input type="checkbox"/> Fruit: presence of navel opening	absent	absent	absent	absent	absent
<input type="checkbox"/> Fruit: presence of radial grooves at distal end	absent	absent	absent	absent	absent
<input checked="" type="checkbox"/> *Fruit surface: predominant colours	orange red	medium orange	medium orange	yellow orange	medium orange
<input checked="" type="checkbox"/> *Fruit surface: glossiness	strong	medium	strong	medium	strong
<input type="checkbox"/> Fruit surface: roughness	smooth to medium	medium	medium	smooth to medium	smooth to medium
<input type="checkbox"/> Fruit surface: size of oil glands	all more or less the same size				
<input type="checkbox"/> Fruit surface: presence of pitting and pebbling in oil glands	pitting present, pebbling absent				
<input checked="" type="checkbox"/> *Fruit rind: thickness	thin	medium	thin to medium	thin to medium	medium
<input checked="" type="checkbox"/> *Fruit rind: adherence to flesh	weak to medium	weak	weak to medium	weak	weak

<input checked="" type="checkbox"/>	Fruit rind: strength	strong	medium	medium	weak to medium	weak to medium
<input checked="" type="checkbox"/>	Fruit rind: oiliness	medium	medium	medium	dry	dry
<input type="checkbox"/>	Fruit: colour of albedo	white	white	white	white	white
<input checked="" type="checkbox"/>	Fruit: density of albedo	loose	loose	loose	very loose	loose
<input type="checkbox"/>	*Fruit: amount of albedo adhering to flesh	very small to small	very small to small	very small to small	small to medium	small to medium
<input type="checkbox"/>	Fruit: presence of albedo strands	absent	absent	absent	present	present
<input checked="" type="checkbox"/>	*Fruit: main colour of flesh	medium orange	medium orange	medium orange	light orange	medium orange
<input checked="" type="checkbox"/>	Fruit: filling of core	sparse	medium	sparse	sparse	sparse
<input checked="" type="checkbox"/>	Fruit: diameter of core	small	medium	medium to large	large	medium
<input type="checkbox"/>	Fruit: presence of rudimentary segments	absent or weak				
<input type="checkbox"/>	Fruit: number of well developed segments	medium	medium	medium	medium	few to medium
<input checked="" type="checkbox"/>	Fruit: coherence of adjacent segment walls	medium	weak	medium	weak	weak
<input checked="" type="checkbox"/>	Fruit: strength of segment walls	medium	medium	medium	weak	weak
<input checked="" type="checkbox"/>	Fruit: length of juice vesicles	long	long	medium	long	medium
<input checked="" type="checkbox"/>	Fruit: thickness of juice vesicles	medium	thin	medium	thin	thin
<input type="checkbox"/>	*Fruit: presence of navel (viewed internally)	absent or very rare				
<input checked="" type="checkbox"/>	Fruit: juiciness	medium	medium	high	low	medium
<input checked="" type="checkbox"/>	*Fruit juice: total soluble solids	medium	medium	high	medium	medium
<input checked="" type="checkbox"/>	Fruit juice: acidity	medium	medium	high	medium	medium
<input checked="" type="checkbox"/>	Fruit: strength of fibre	medium	medium	medium	medium	weak
<input checked="" type="checkbox"/>	Fruit: number of seeds (controlled manual self-pollination)	few to medium	absent or very few	few	medium	absent or very few
<input checked="" type="checkbox"/>	Fruit: number of	medium	medium	medium	medium	absent or very

seeds (open pollination)						few
<input type="checkbox"/> *Seed: polyembryony	absent	absent	absent	absent	absent	absent
<input type="checkbox"/> Seed: length	short					short
<input type="checkbox"/> Seed: width	narrow					narrow
<input type="checkbox"/> Seed: surface	smooth					smooth
<input type="checkbox"/> Seed: external colour	whitish					whitish
<input type="checkbox"/> Seed: colour of inner seed coat	light brown					light brown
<input checked="" type="checkbox"/> *Time of: maturity of fruit for consumption	medium	early	medium to late	early		early to medium
<input type="checkbox"/> *Fruit: parthenocarpy	present	present	present	present	present	present
<input checked="" type="checkbox"/> Plant: self-incompatibility	absent	present	absent	absent	absent	absent
Characteristics Additional to the Descriptor/TG						
Organ/Plant Part: Context	'Merbeingold 2350'	'Clementine Nules'	'Ellendale'	'Imperial'	'Merbeingold 2336'	
<input type="checkbox"/> Tree: density of branches	medium					medium
<input type="checkbox"/> Tree: branch angle	narrow					narrow
<input type="checkbox"/> Spine: length on adult tree	<5mm		<5mm			<5mm
<input type="checkbox"/> Spine: shape	straight		straight			straight
<input type="checkbox"/> Shoot: tip colour	green	green	green	green	green	green
<input type="checkbox"/> Shoot: tip surface	glabrous	glabrous	glabrous	glabrous	glabrous	glabrous
<input type="checkbox"/> Leaf: vegetative life cycle	evergreen	evergreen	evergreen	evergreen	evergreen	evergreen
<input type="checkbox"/> Leaf: division	simple	simple	simple	simple	simple	simple
<input type="checkbox"/> Leaf: lamina attachment	brevipetiolate	brevipetiolate	brevipetiolate	brevipetiolate	brevipetiolate	brevipetiolate
<input checked="" type="checkbox"/> Leaf: lamina shape	elliptic	lanceolate	elliptic	lanceolate	elliptic	elliptic
<input checked="" type="checkbox"/> Leaf: petiole wing shape	obdeltate		obdeltate	obdeltate		obdeltate
<input type="checkbox"/> Leaf: junction between petiole and lamina	articulate	articulate	articulate	articulate	articulate	articulate
<input type="checkbox"/> Flower: length of anthers relative to stigma	shorter	shorter	shorter	shorter	shorter	shorter
<input type="checkbox"/> Flower: type	hermaphrodite	hermaphrodite	hermaphrodite	hermaphrodite	hermaphrodite	hermaphrodite

<input type="checkbox"/>	Flower : colour of open flower	white	white	white	white	white
<input checked="" type="checkbox"/>	Flower: number of stamens	4 per petal			4 per petal	4 per petal
<input checked="" type="checkbox"/>	Flower: viable pollen	sparse (eg 'Imperial' mandarin)	normal (eg 'Valencia' orange)	normal (eg 'Valencia' orange)	sparse (eg 'Imperial' mandarin)	pollen sterile
<input type="checkbox"/>	Fruit: shape	obloid	obloid	obloid	obloid	obloid
<input checked="" type="checkbox"/>	Fruit: attachment to stalk	medium	medium	medium	strong	medium
<input type="checkbox"/>	Fruit: number of segments	10-14	10-14	10-14	10-14	10-14
<input type="checkbox"/>	Fruit: pulp colour uniformity	yes	yes	yes	yes	yes
<input type="checkbox"/>	Leaf: colour of leaf upper/lower surface	same	same	same	same	same
<input type="checkbox"/>	Flower: arrangement of flowers	both	both	both	both	both

Statistical Table

Organ/Plant Part: Context	'Merbeingold 2350'	'Clementine Nules'	'Ellendale'	'Imperial'	'Merbeingold 2336'
<input checked="" type="checkbox"/> Leaf: lamina length (mm)					
Mean	84.78	100.21	87.89	88.77	90.67
Std. Deviation	8.30	12.57	9.34	10.37	10.54
LSD/sig	3.10	P≤0.01	ns	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Leaf: leaf length/petiole length					
Mean	10.23	10.96	9.20	9.20	10.37
Std. Deviation	2.50	2.36	2.33	1.76	2.53
LSD/sig	0.75	ns	P≤0.01	P≤0.01	ns
<input checked="" type="checkbox"/> Leaf: lamina length/width					
Mean	2.20	2.61	2.12	2.72	2.18
Std. Deviation	0.22	0.28	0.19	0.24	0.27
LSD/sig	0.07	ns	ns	P≤0.01	ns
<input checked="" type="checkbox"/> Leaf: leaf length (mm)					
Mean	94.33	110.71	99.09	100.03	100.94
Std. Deviation	8.78	13.56	10.16	11.63	11.13
LSD/sig	1.54	P≤0.01	P≤0.01	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Leaf: lamina width (mm)					
Mean	38.94	38.87	41.83	32.80	42.16
Std. Deviation	5.09	6.48	5.42	4.04	6.38
LSD/sig	2.87	ns	P≤0.01	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Leaf: leaf length/width					

Mean	2.44	2.88	2.39	3.06	2.42
Std. Deviation	0.22	0.30	0.21	0.23	0.26
LSD/sig	0.07	P≤0.01	ns	P≤0.01	ns
<input checked="" type="checkbox"/> Leaf: lamina length/petiole length					
Mean	9.23	9.96	8.20	8.20	9.37
Std. Deviation	2.50	2.36	2.33	1.76	2.53
LSD/sig	0.75	ns	P≤0.01	P≤0.01	ns
<input checked="" type="checkbox"/> Flower: filament length (mm)					
Mean	5.85	6.51	8.53	5.66	6.35
Std. Deviation	0.64	0.54	0.52	0.59	0.88
LSD/sig	0.85	ns	P≤0.01	ns	ns
<input checked="" type="checkbox"/> Flower: stamen length (mm)					
Mean	7.20	8.31	9.98	6.66	7.42
Std. Deviation	0.76	0.53	0.70	0.59	0.82
LSD/sig	0.89	P≤0.01	P≤0.01	ns	ns
<input checked="" type="checkbox"/> Flower: style length (mm)					
Mean	5.67	7.38	9.22	6.60	6.55
Std. Deviation	0.52	0.92	0.67	0.70	0.82
LSD/sig	0.97	P≤0.01	P≤0.01	ns	ns
<input checked="" type="checkbox"/> Flower: pistil length (mm)					
Mean	7.50	9.13	11.00	8.60	8.27
Std. Deviation	0.52	0.83	0.87	0.84	0.79
LSD/sig	1.03	P≤0.01	P≤0.01	ns	ns
<input type="checkbox"/> Flower: ratio style to filament length					
Mean	0.98	1.14	1.08	1.17	1.04
Std. Deviation	0.12	0.13	0.06	0.11	0.14
LSD/sig	0.11	ns	ns	ns	ns
<input checked="" type="checkbox"/> Flower: ratio style to stamen length					
Mean	0.79	0.89	0.93	0.99	0.89
Std. Deviation	0.11	0.11	0.06	0.09	0.11
LSD/sig	0.12	ns	P≤0.01	P≤0.01	ns
<input checked="" type="checkbox"/> Flower: ratio pistal to filament length					
Mean	1.29	1.40	1.29	1.53	1.32
Std. Deviation	0.15	0.11	0.09	0.14	0.18
LSD/sig	0.18	ns	ns	P≤0.01	ns
<input checked="" type="checkbox"/> Leaf: petiole length (mm)					
Mean	9.55	10.50	11.20	11.27	10.27
Std. Deviation	2.52	2.25	2.30	2.49	2.85
LSD/sig	0.69	P≤0.01	P≤0.01	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Fruit: rind colour					
Mean	9.56	8.34	8.72	7.86	8.60
Std. Deviation	0.36	0.83	0.27	0.35	0.50
LSD/sig	0.57	P≤0.01	P≤0.01	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Fruit: equatorial diameter (mm)					
Mean	58.77	68.08	69.30	59.72	45.87

Std. Deviation	5.42	6.59	4.60	4.02	3.97
LSD/sig	5.54	P≤0.01	P≤0.01	ns	P≤0.01
☑ Fruit: % juice					
Mean	32.61	31.90	48.28	25.98	34.86
Std. Deviation	2.59	4.89	4.62	4.62	4.23
LSD/sig	4.77	ns	P≤0.01	P≤0.01	ns
☑ Fruit : rind thickness (mm)					
Mean	2.82	4.33	3.17	3.62	4.25
Std. Deviation	0.37	0.53	0.24	0.36	0.62
LSD/sig	0.50	P≤0.01	ns	P≤0.01	P≤0.01
☑ Fruit: open-pollinated seed number					
Mean	15.77	11.04	15.98	9.74	0.09
Std. Deviation	5.13	9.05	4.35	2.17	0.09
LSD/sig	5.69	ns	ns	P≤0.01	P≤0.01
☑ Juice: sugar concentration (Brix)					
Mean	10.87	10.92	12.92	11.43	9.22
Std. Deviation	0.74	0.63	1.35	0.93	0.73
LSD/sig	0.99	ns	P≤0.01	ns	P≤0.01
☑ Flower: ratio of pistil to stamen length					
Mean	1.05	1.10	1.10	1.30	1.12
Std. Deviation	0.13	0.09	0.09	0.11	0.14
LSD/sig	0.15	ns	ns	P≤0.01	ns

Prior Applications and Sales

Nil.

Description: **Stephen Sykes**, CSIRO, Merbein, VIC.

Details of Application

Application Number	2006/279
Variety Name	'Merbeingold 2336'
Genus Species	<i>Citrus reticulata</i> x (<i>Citrus reticulata</i> x <i>Citrus sinensis</i>)
Common Name	Mandarin hybrid
Synonym	Nil
Accepted Date	1 Dec 2006
Applicant	Commonwealth Scientific and Industrial Research Organisation, Canberra, ACT
Agent	N/A
Qualified Person	Stephen Sykes

Details of Comparative Trial

Location	Koorlong, north-west VIC and citrus grower properties in NSW, VIC and SA.
Descriptor	Mandarin (<i>Citrus</i>) TG/201/1.
Period	2001-2008.
Conditions	Two types of trial were conducted. The first trial type was a DUS trial established as a randomised block design on CSIRO land at Koorlong, north-west VIC. The second trial type was a series of plantings of the candidate and its sibling, 'Merbeingold 2350'. These trials were based on grower properties and were established either as nursery propagated trees or by top working established orchard trees. The grower-based trials were used primarily to collect fruit yield and quality data under a range of conditions. The DUS trial was used to collect these data along with morphological data for comparative purposes. The variety description was based on trees in both types of trial.
Trial Design	Trees of 'Merbeingold 2336' and 4 comparator varieties (viz. 'Clementine Nules', 'Imperial' mandarin, 'Ellendale' tangor, and 'Merbeingold 2350') were propagated by budding to 3 rootstocks (viz. 'Carrizo' citrange, 'Cleopatra' mandarin and 'Symons' sweet orange) in the nursery at CSIRO. The DUS trial was planted during spring 2001. The soil type was classified as being Tiltao sand (Northcote, K.H. 1951. A Pedological Study of the Soils Occurring at Coomealla, New South Wales, Commonwealth Scientific and Industrial Research Organisation, Melbourne, Australia). The trees were irrigated by overhead sprays and fertilised using a standard citrus N:P:K (12:3:3) formulation. Fertiliser was applied to young trees at 2-monthly intervals and to trees 2 years and older at six-monthly intervals at a rate such that they received 800 kg/ha/year. Trace elements, primarily manganese and zinc were applied as foliar sprays as required. The trial was embedded within a larger trial that compared other selections from CSIRO's citrus breeding program. The trial was laid out as two randomized blocks with a three-tree plot for every scion/rootstock combination within each block. Rootstocks were randomized within plots. Trees were maintained

vegetatively for the first three years and allowed to retain fruits from season 2004-05 onwards. Trees for grower-based trials were either nursery propagated trees or top-worked pre-established orchard trees. Nursery propagated trees were produced by budding 'Merbeingold 2336' and 'Merbeingold 2350' into one of three rootstocks, viz. 'Symons' sweet orange, 'Carrizo' citrange or 'Cleopatra' mandarin. The rootstock and interstock of top worked trees varied according to site and availability. Trees were established using whatever planting configuration the participating grower requested.

Measurements

Variety description was based on descriptors provided by UPOV CPVO-TP/201/1 Protocol for distinctness, uniformity and stability tests. *Citrus* L. - Group 1 Mandarins (18/11/2004), and IPGRI (1999) Descriptors for *Citrus*. International Plant Genetic Resources Institute, Rome, Italy (ISBN 92-9043-425-2). Fruit were harvested from the trees according to maturity, which was gauged by sampling fruits and recording juice sugar:acid ratios. Fruit were harvested by snapping them from the tree to assess the need to clip, graded for size, weighed and counted. A sub-sample of six fruits were taken from the three median grades for each tree and analysed for a range of characteristics. These included rind colour, rind texture, fruit weight/size, shape, rind thickness, ease-of-peeling, rind strength in terms of being able to be snapped from the tree, % juice content on a fresh weight basis, seed numbers, juice sugar in degrees Brix, % citric acid and sugar:acid ratios. Rind colour was measured using the chart of Yamazaki, T. and Suzuki, K. (1980 - Color charts: Useful guide to evaluate the fruit maturation. 1. Colorimetric specifications of color charts for Japanese pear, apple, peach, grape, kaki and citrus fruits. Bull. Fruit Tree Res. Stn. A., 7, 19-44). Comparative data for quantitative fruit characteristics were collected in seasons 2006 and 2007. Spring-flush leaves were sampled from trees during Jan 2007. Lamina width at its widest point, petiole and lamina lengths were recorded for a random sub-set of 30 leaves of each tree. Leaf length and ratios of lamina length:width, leaf length:width, leaf length:petiole length and lamina length:petiole length were calculated. Flowers were sampled from the trees in the DUS trial during Oc 2007. The length of stamens, filaments, pistil and style were measured in a random sample of at least 20 flowers per tree. Ratios of style:filament, style:stamen, pistil:filament and pistil:stamen were calculated.

RHS Chart - edition

Nil

Origin and Breeding

'Merbeingold 2336' was selected from a family of 305 hybrids generated by crossing 'Imperial' mandarin (maternal parent) with 'Ellendale' tangor (pollen parent). The cross was made in 1984 and the resultant seeds were extracted from fruits in 1985 and sown in a standard seed bed under glasshouse conditions. Emergent seedlings were transferred to a standard potting mix in pots and maintained under glasshouse conditions until they were rowed out in the breeding orchard at a planting density of 1.5m within and 6m between rows. Hybrid seedlings were maintained under irrigated orchard conditions thereafter. Standard citrus cultivation techniques were used to maintain the trees including application of fertilisers. When hybrid 2336 started to flower, it was subjected to a range of pollination treatments to assess its potential for producing seedless fruits. Fruits were harvested over 4 years and assessed for fruit quality. Based on the data collected, hybrid 2336 was selected for entry into second phase evaluation trials. It was entered into a comparative trial at CSIRO Plant Industry (north-west VIC) and also into regional test plots with anonymous cooperating growers. Based on its performance in these trials and test plots, hybrid 2336 was named 'Merbeingold 2336'.

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	ratio length/diameter	small
Fruit	presence of neck	absent
Fruit/seed	fruit develop without fertilisation	parthenocarpic
Seed	embryony	monoembryonic

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Ellendale'	Tangor variety. Parent of candidate, monoembryonic, parthenocarpic and mid-to-late season in fruit maturity.
'Clementine Nules'	Monoembryonic, parthenocarpic, early season maturity. There are a number of Clementine mandarins; 'Clementine Nules' was selected as a representative variety for this group.
'Imperial'	Mandarin variety. Parent of candidate, monoembryonic, parthenocarpic, early season in maturity. Fruit hold on the tree for an extended period and maintain quality.
'Merbeingold 2350'	Sibling of candidate, monoembryonic, parthenocarpic and early-to-mid season in fruit maturity.

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety
'Satsuma'	Seed embryony	monoembryonic	Mandarin variety. Polyembryonic
'Sunset'	Seed embryony	monoembryonic	Mandarin variety. Polyembryonic
'Nova'	Seed embryony	monoembryonic	Mandarin variety. Polyembryonic

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	'Merbeingold 2336'	'Clementine Nules'	'Ellendale'	'Imperial'	'Merbeingold 2350'
<input type="checkbox"/> Ploidy:	diploid	diploid	diploid	diploid	diploid
<input checked="" type="checkbox"/> *Tree: growth habit	spreading	drooping	spreading	upright	spreading
<input type="checkbox"/> Tree: density of spines	absent or sparse	absent or sparse	absent or sparse	absent or sparse	absent or sparse
<input type="checkbox"/> Tree: length of spines	very short	short	short	short	short
<input type="checkbox"/> Leaf blade: length	medium	medium to long	medium	medium	medium
<input checked="" type="checkbox"/> Leaf blade: width	medium to broad	narrow to medium	medium	narrow	narrow to medium
<input type="checkbox"/> Leaf blade: ratio length/width	medium	medium	medium to large	medium to large	medium
<input type="checkbox"/> Leaf blade: shape in cross section	intermediate	intermediate	intermediate	intermediate	intermediate
<input type="checkbox"/> Leaf blade: twisting	absent or weak	absent or weak	absent or weak	absent or weak	absent or weak
<input type="checkbox"/> Leaf blade: green colour	dark to very dark	dark to very dark	dark to very dark	dark to very dark	dark to very dark
<input checked="" type="checkbox"/> Leaf blade: incisions of margin	crenate	absent	absent	absent	absent
<input type="checkbox"/> Leaf blade: shape of apex	acute	acute	acute	acute	acute
<input type="checkbox"/> Petiole: length	short	short	short	short	short
<input checked="" type="checkbox"/> Petiole: presence of wings	absent	absent	present	present	present
<input checked="" type="checkbox"/> Anther: colour	white	medium yellow	medium yellow	light yellow	light yellow
<input checked="" type="checkbox"/> Anther: viable pollen	absent	present	present	present	present
<input type="checkbox"/> *Fruit: ratio length/diameter	small	small	small	small	small
<input type="checkbox"/> *Fruit: position of broadest part	at middle	at middle	at middle	at middle	at middle
<input type="checkbox"/> Fruit: shape in transverse section	circular	circular	circular	circular	circular
<input type="checkbox"/> *Fruit: general shape of proximal part	flattened	flattened	flattened	flattened	flattened
<input type="checkbox"/> *Fruit: presence of neck	absent	absent	absent	absent	absent

<input type="checkbox"/>	Fruit: presence of constriction at stalk end	absent	absent	absent	absent	absent
<input checked="" type="checkbox"/>	Fruit: number of radial grooves at stalk end	intermediate	intermediate	absent or few	absent or few	intermediate
<input checked="" type="checkbox"/>	Fruit: presence of collar	absent	absent	absent	present	absent
<input type="checkbox"/>	*Fruit: general shape of distal part	flattened	flattened	flattened	slightly rounded	flattened
<input type="checkbox"/>	*Fruit: presence of depression at distal end	present	present	present	present	absent
<input type="checkbox"/>	*Fruit: presence of areola	absent	absent	absent	absent	absent
<input type="checkbox"/>	Fruit: diameter of stylar scar	small	small	small	small	small
<input type="checkbox"/>	Fruit: persistence of style	none	none	none	none	none
<input type="checkbox"/>	Fruit: presence of navel opening	absent	absent	absent	absent	absent
<input type="checkbox"/>	Fruit: presence of radial grooves at distal end	absent	absent	absent	absent	absent
<input checked="" type="checkbox"/>	*Fruit surface: predominant colours	medium orange	medium orange	medium orange	yellow orange	orange red
<input checked="" type="checkbox"/>	*Fruit surface: glossiness	strong	medium	strong	medium	strong
<input checked="" type="checkbox"/>	Fruit surface: roughness	smooth to medium	medium	medium	smooth to medium	smooth to medium
<input type="checkbox"/>	Fruit surface: size of oil glands	all more or less the same size				
<input type="checkbox"/>	Fruit surface: presence of pitting and pebbling in oil glands	pitting absent, pebbling present	pitting present, pebbling absent			
<input checked="" type="checkbox"/>	*Fruit rind: thickness	medium	medium	thin to medium	thin to medium	thin
<input checked="" type="checkbox"/>	*Fruit rind: adherence to flesh	weak	weak	weak to medium	weak	weak to medium
<input checked="" type="checkbox"/>	Fruit rind: strength	weak to medium	medium	medium	weak to medium	strong
<input checked="" type="checkbox"/>	Fruit rind: oiliness	dry	medium	medium	dry	medium

<input type="checkbox"/>	Fruit: colour of albedo	white	white	white	white	white
<input type="checkbox"/>	Fruit: density of albedo	loose	loose	loose	very loose	loose
<input type="checkbox"/>	*Fruit: amount of albedo adhering to flesh	small to medium	very small to small	very small to small	small to medium	very small to small
<input checked="" type="checkbox"/>	Fruit: presence of albedo strands	present	present	absent	present	absent
<input checked="" type="checkbox"/>	*Fruit: main colour of flesh	medium orange	medium orange	medium orange	light orange	medium orange
<input checked="" type="checkbox"/>	Fruit: filling of core	sparse	medium	sparse	sparse	sparse
<input checked="" type="checkbox"/>	Fruit: diameter of core	medium	medium	medium to large	large	small
<input type="checkbox"/>	Fruit: presence of rudimentary segments	absent or weak				
<input type="checkbox"/>	Fruit: number of well developed segments	few to medium	medium	medium	medium	medium
<input type="checkbox"/>	Fruit: coherence of adjacent segment walls	weak	weak	medium	weak	medium
<input type="checkbox"/>	Fruit: strength of segment walls	weak	medium	medium	weak	medium
<input checked="" type="checkbox"/>	Fruit: length of juice vesicles	medium	long	medium	long	long
<input checked="" type="checkbox"/>	Fruit: thickness of juice vesicles	thin	thin	medium	thin	medium
<input type="checkbox"/>	*Fruit: presence of navel (viewed internally)	absent or very rare				
<input checked="" type="checkbox"/>	Fruit: juiciness	medium	medium	high	low	medium
<input checked="" type="checkbox"/>	*Fruit juice: total soluble solids	medium	medium	high	medium	medium
<input checked="" type="checkbox"/>	Fruit juice: acidity	medium	medium	high	medium	medium
<input checked="" type="checkbox"/>	Fruit: strength of fibre	weak	medium	medium	medium	medium
<input checked="" type="checkbox"/>	Fruit: number of seeds (controlled manual self-pollination)	absent or very few	absent or very few	few	medium	few to medium
<input checked="" type="checkbox"/>	Fruit: number of seeds (open pollination)	absent or very few	medium	medium	medium	medium
<input type="checkbox"/>	*Seed: polyembryony	absent	absent	absent	absent	absent

<input type="checkbox"/>	Seed: length	short				short
<input type="checkbox"/>	Seed: width	narrow				narrow
<input type="checkbox"/>	Seed: surface	smooth				smooth
<input type="checkbox"/>	Seed: external colour	whitish				whitish
<input type="checkbox"/>	Seed: colour of inner seed coat	light brown				light brown
<input type="checkbox"/>	*Time of: maturity of fruit for consumption	early to medium	early	medium to late	early	medium
<input type="checkbox"/>	*Fruit: parthenocarpy	present	present	present	present	present
<input checked="" type="checkbox"/>	Plant: self-incompatibility	absent	present	absent	absent	absent
Characteristics Additional to the Descriptor/TG						
	Organ/Plant Part: Context	‘Merbeingold 2336’	‘Clementine Nules’	‘Ellendale’	‘Imperial’	‘Merbeingold 2350’
<input type="checkbox"/>	Tree: density of branches	medium				medium
<input type="checkbox"/>	Tree: branch angle	narrow				narrow
<input type="checkbox"/>	Spine: length on adult tree	<5mm				<5mm
<input type="checkbox"/>	Spine: shape	straight				straight
<input type="checkbox"/>	Shoot: tip colour	green	green	green	green	green
<input type="checkbox"/>	Shoot: tip surface	glabrous	glabrous	glabrous	glabrous	glabrous
<input type="checkbox"/>	Leaf: vegetative life cycle	evergreen	evergreen	evergreen	evergreen	evergreen
<input type="checkbox"/>	Leaf: division	simple	simple	simple	simple	simple
<input type="checkbox"/>	Leaf: lamina attachment	brevipetiolate	brevipetiolate	brevipetiolate	brevipetiolate	brevipetiolate
<input checked="" type="checkbox"/>	Leaf: lamina shape	elliptic	lanceolate	elliptic	lanceolate	elliptic
<input type="checkbox"/>	Leaf: junction between petiole and lamina	articulate	articulate	articulate	articulate	articulate
<input type="checkbox"/>	Flower: length of anthers relative to stigma	shorter	shorter	shorter	shorter	shorter
<input type="checkbox"/>	Flower: type	hermaphrodite	hermaphrodite	hermaphrodite	hermaphrodite	hermaphrodite
<input type="checkbox"/>	Flower : colour of open flower	white	white	white	white	white
<input checked="" type="checkbox"/>	Flower: number of stamens	4 per petal			4 per petal	4 per petal

<input checked="" type="checkbox"/>	Flower: viable pollen	pollen sterile	normal (eg Valencia orange)	normal (eg Valencia orange)	sparse (eg Imperial mandarin)	sparse (eg Imperial mandarin)
<input type="checkbox"/>	Fruit: shape	obloid	obloid	obloid	obloid	obloid
<input type="checkbox"/>	Fruit: attachment to stalk	medium	strong	medium	strong	medium
<input type="checkbox"/>	Fruit: number of segments	10-14	10-14	10-14	10-14	10-14
<input type="checkbox"/>	Fruit: pulp colour uniformity	yes	yes	yes	yes	yes
<input type="checkbox"/>	Leaf: colour of leaf upper/lower surface	same	same	same	same	same
<input type="checkbox"/>	Flower: arrangement of flowers	both	both	both	both	both

Statistical Table

Organ/Plant Part: Context	'Merbeingold 2336'	'Clementine Nules'	'Ellendale'	'Imperial'	'Merbeingold 2350'
<input checked="" type="checkbox"/> Leaf: petiole length (mm)					
Mean	10.27	10.50	11.20	11.27	9.55
Std. Deviation	2.85	2.25	2.30	2.49	2.52
LSD/sig	0.69	ns	P≤0.01	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Leaf: lamina width (mm)					
Mean	42.16	38.87	41.83	32.80	38.94
Std. Deviation	6.38	6.48	5.42	4.04	5.09
LSD/sig	2.87	P≤0.01	ns	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Leaf: lamina length (mm)					
Mean	90.67	100.21	87.89	88.77	84.78
Std. Deviation	10.54	12.57	9.34	10.37	8.30
LSD/sig	3.10	P≤0.01	ns	ns	P≤0.01
<input checked="" type="checkbox"/> Leaf: leaf length (mm)					
Mean	100.94	110.71	99.09	100.03	94.33
Std. Deviation	11.13	13.56	10.16	11.63	8.78
LSD/sig	1.54	P≤0.01	ns	ns	P≤0.01
<input checked="" type="checkbox"/> Leaf: lamina length/width					
Mean	2.18	2.61	2.12	2.72	2.20
Std. Deviation	0.27	0.28	0.19	0.24	0.22
LSD/sig	0.07	P≤0.01	ns	P≤0.01	ns
<input checked="" type="checkbox"/> Leaf: leaf length/width					
Mean	2.42	2.88	2.39	3.06	2.44
Std. Deviation	0.26	0.30	0.21	0.23	0.22
LSD/sig	0.07	P≤0.01	ns	P≤0.01	ns
<input checked="" type="checkbox"/> Leaf: Leaf length/petiole length					
Mean	10.37	10.96	9.20	9.20	10.23

Std. Deviation	2.53	2.36	2.33	1.76	2.50
LSD/sig	0.75	ns	P≤0.01	P≤0.01	ns
☑ Leaf: lamina length/petiole length					
Mean	9.37	9.96	8.20	8.20	9.23
Std. Deviation	2.53	2.36	2.33	1.76	2.50
LSD/sig	0.75	ns	P≤0.01	P≤0.01	ns
☑ Fruit: equatorial diameter (mm)					
Mean	45.87	68.08	69.30	59.72	58.77
Std. Deviation	3.97	6.59	4.60	4.02	5.42
LSD/sig	5.54	P≤0.01	P≤0.01	P≤0.01	P≤0.01
☑ Fruit: rind colour					
Mean	8.60	8.34	8.72	7.86	9.56
Std. Deviation	0.50	0.83	0.27	0.35	0.36
LSD/sig	0.57	ns	ns	P≤0.01	P≤0.01
☑ Fruit: % juice					
Mean	34.86	31.90	48.28	25.98	32.61
Std. Deviation	4.23	4.89	4.62	4.62	2.59
LSD/sig	4.77	ns	P≤0.01	P≤0.01	ns
☑ Fruit: rind thickness (mm)					
Mean	4.25	4.33	3.17	3.62	2.82
Std. Deviation	0.62	0.53	0.24	0.36	0.37
LSD/sig	0.50	ns	P≤0.01	P≤0.01	P≤0.01
☑ Fruit: open-pollinated seed number					
Mean	0.09	11.04	15.98	9.74	15.77
Std. Deviation	0.09	9.05	4.35	2.17	5.13
LSD/sig	5.69	P≤0.01	P≤0.01	P≤0.01	P≤0.01
☑ Fruit: sugar concentration (Brix)					
Mean	9.22	10.92	12.92	11.43	10.87
Std. Deviation	0.73	0.63	1.35	0.93	0.74
LSD/sig	0.99	P≤0.01	P≤0.01	P≤0.01	P≤0.01
☑ Flower: filament length (mm)					
Mean	6.35	6.51	8.53	5.66	5.85
Std. Deviation	0.88	0.54	0.52	0.59	0.64
LSD/sig	0.85	ns	P≤0.01	ns	ns
☑ Flower: stamen length (mm)					
Mean	7.42	8.31	9.98	6.66	7.20
Std. Deviation	0.82	0.53	0.70	0.59	0.76
LSD/sig	0.89	ns	P≤0.01	ns	ns
☑ Flower : style length (mm)					
Mean	6.55	7.38	9.22	6.60	5.67
Std. Deviation	0.82	0.92	0.67	0.70	0.52
LSD/sig	0.97	ns	P≤0.01	ns	ns
☑ Flower: pistil length (mm)					
Mean	8.27	9.13	11.00	8.60	7.50
Std. Deviation	0.79	0.83	0.87	0.84	0.52

LSD/sig	1.03	ns	P≤0.01	ns	ns
<input type="checkbox"/> Flower: ratio style to filament length					
Mean	1.04	1.14	1.08	1.17	0.98
Std. Deviation	0.14	0.13	0.06	0.11	0.12
LSD/sig	0.11	ns	ns	ns	ns
<input type="checkbox"/> Flower: ratio style to stamen length					
Mean	0.89	0.89	0.93	0.99	0.79
Std. Deviation	0.11	0.11	0.06	0.09	0.11
LSD/sig	0.12	ns	ns	ns	ns
<input checked="" type="checkbox"/> Flower: ratio pistal to filament length					
Mean	1.32	1.40	1.29	1.53	1.29
Std. Deviation	0.18	0.11	0.09	0.14	0.15
LSD/sig	0.18	ns	ns	P≤0.01	ns
<input checked="" type="checkbox"/> Flower: ratio of pistil to stamen length					
Mean	1.12	1.10	1.10	1.30	1.05
Std. Deviation	0.14	0.09	0.09	0.11	0.13
LSD/sig	0.15	ns	ns	P≤0.01	ns

Prior Applications and Sales

Nil.

Description: **Stephen Sykes**, CSIRO, Merbein, VIC.

Details of Application

Application Number	2007/105
Variety Name	'Silver Grace'
Genus Species	<i>Lomandra confertifolia</i> subsp <i>rubignosa</i>
Common Name	Matt Rush
Synonym	Nil
Accepted Date	09 May 2007
Applicant	Michael Wood, Kalaru, NSW
Agent	Plants Management Australia Pty Ltd, Dodges Ferry, TAS
Qualified Person	Steve Eggleton

Details of Comparative Trial

Location	Wonga Park, VIC.
Descriptor	<i>Lomandra</i> (<i>Lomandra</i>) PBR LOMA.
Period	Oct 2007 to Dec 2008.
Conditions	Trial conducted in the open, plants potted from 50mm tubes into 200mm pots during Oct 2007. Pots filled with soilless, pinebark based mix with controlled release fertilizers. Appropriate pest and disease treatments were applied as required.
Trial Design	Twelve pots of each variety in a completely randomised design.
Measurements	From ten plants randomly selected.
RHS Chart – edition	1995.

Origin and Breeding

Seedling selection: in the breeders trial garden a number of *Lomandra confertifolia* subsp *rubignosa* seedlings were raised in Oct 2002. As these plants matured one was isolated due to its distinctive foliage habit and colour and divided into several plants. These plants were then grown to maturity and in Feb 2003 the plant was finally selected for with the following selection criteria: foliage habit weeping, foliage colour dark silver grey. Propagation: The variety has since been initiated into tissue culture and all subsequent generations have been uniform and stable. Breeder: Michael Wood, Kalaru, 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	variegation	absent
Leaf	glaucosity	strong to very strong
Plant	density	medium to dense

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Seascape'	
'Stormy Seas'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety
'SIR5'	plant	density	dense	sparse
'Merlom Ruby'	leaf	glaucosity	very strong	medium

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	'Silver Grace'	'Seascape'	'Stormy Seas'
<input checked="" type="checkbox"/> Plant: growth habit	semi-upright	upright	drooping
<input type="checkbox"/> Plant: height	medium	medium	medium
<input checked="" type="checkbox"/> Plant: density	dense	dense	medium
<input type="checkbox"/> Leaf: texture	fine	fine	fine
<input checked="" type="checkbox"/> Leaf: glaucosity	very strong	strong	very strong
<input checked="" type="checkbox"/> Leaf: rigidity	weak	strong	medium
<input type="checkbox"/> Leaf: width of blade	narrow	narrow	medium
<input type="checkbox"/> Leaf: cross section	concave	concave	concave
<input type="checkbox"/> Leaf: variegation	absent	absent	absent
<input checked="" type="checkbox"/> Leaf: colour (RHS colour chart)	greyed green 191A	yellow green 147A	greyed green 191A
<input checked="" type="checkbox"/> Basal sheath: colour	dark brown	light brown	dark brown
<input checked="" type="checkbox"/> Inflorescence: length of peduncle	short	short	long
<input checked="" type="checkbox"/> Inflorescence: length of bract	short	medium	long
<input type="checkbox"/> Inflorescence: position in relation foliage	below	below	below
<input checked="" type="checkbox"/> Inflorescence: colour of peduncle (RHS colour chart)	brown 200A	brown 200B	brown 200A
<input checked="" type="checkbox"/> Flower: colour of calyx (RHS colour chart)	greyed purple 187A	greyed orange 165A	greyed purple 187A
<input checked="" type="checkbox"/> Flower: colour of perianth (RHS colour chart)	yellow 12C	yellow 12A	yellow 12A

Statistical Table

Organ/Plant Part: Context	'Silver Grace'	'Seascape'	'Stormy Seas'
<input checked="" type="checkbox"/> Leaf: length (mm)			
Mean	591.10	546.20	455.90
Std. Deviation	59.90	141.70	26.10
LSD/sig	113.7	ns	P≤0.01

Prior Applications and Sales

Nil.

Description: Steve Eggleton, Wonga Park, VIC.

Details of Application

Application Number	2008/253
Variety Name	'Satin 2'
Genus Species	<i>Vigna radiata</i>
Common Name	Mung Bean
Synonym	Nil
Accepted Date	08 Sep 2008
Applicant	State of Queensland through its Department of Primary Industries and Fisheries, Brisbane, QLD and Grains Research and Development Corporation, Barton, ACT
Agent	N/A
Qualified Person	John Rose

Details of Comparative Trial

Location	Hermitage Research Station, Warwick, QLD
Descriptor	Cowpea (<i>Vigna unguiculata</i>) PBR COWP
Period	2008
Conditions	Trial was sown in the field on 15 Jan 2008 at Hermitage Research Station. The trial site was a black cracking clay with a full profile of soil moisture. No irrigation was required.
Trial Design	Four replicates of each variety were sown in a randomised block design. Each plot was a single 9m row with 75cm row spacing, Single plants were spaced 10cm apart.
Measurements	Days to flower, plant height, central leaflet length and breadth, petiole length, peduncle length, pod length, seeds per pod, weight of seed per pod, 100 seed weight, resistance to powdery mildew, resistance to tan spot.
RHS Chart - edition	Nil

Origin and Breeding

Controlled pollination: 'Satin 2' is derived from the cross 'White Gold' x 'Delta'. 'White Gold' was chosen for its resistance to powdery mildew and large seed size. 'Delta' was a popular commercial variety with medium seed size and moderate resistance to powdery mildew. F₂ plants were space planted at CSIRO Gatton Research Station and selected for yield potential (pod density, size and position), plant height, seed size and appearance, and resistance to powdery mildew and other diseases. Seed from selected F₂ plants were sown in single F₃ rows. Similar selection criteria were employed on F₃, F₄ and F₅ rows. 17 fixed lines from this cross were passed on to the Queensland Department of Primary Industries and Fisheries. Further selection was supervised by Dr Merrill Ryan. In the 2002/03 season 'Satin 2' was tested at 4 spring (dryland and irrigation) sites in QLD and NSW. 13 similar trials were planted in 2003/04 and 7 in 2004/05. Data on yield, resistance to powdery mildew, resistance to tan spot and quality assessments were used to make the final selections. Breeder: the cross was made in Nov 1999 by Dr Chunji Liu, CSIRO Plant Industry.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	growth habit	upright
Plant	growth type	determinate
Plant	twining tendency	absent
Mature pod	curvature	slightly curved
Mature pod	length	medium
Seed	testa colour	green
Seed	testa lustre	dull

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Satin'	dull testa

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety
'Berken'	Plant anthocyanin	absent	present
'Black Pearl'	Seed testa colour	green	black
'Celera'	Seed size	large	small
'Crystal'	Seed testa lustre	dull	shiny
'Emerald'	Seed testa lustre	dull	shiny
'Green Diamond'	Seed size	large	small
'Regur'	Seed testa colour	green	black
'White Gold' (parent)	Seed testa lustre	dull	shiny
'Delta' (parent)	Seed testa lustre	dull	shiny

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	'Satin 2'	'Satin'
<input type="checkbox"/> Plant: growth habit	upright	upright
<input type="checkbox"/> Plant: growth type	determinate	determinate
<input type="checkbox"/> Plant: twining tendency	absent	absent
<input checked="" type="checkbox"/> Petiole: anthocyanin colouration at point of attachment of leaf	absent	present
<input type="checkbox"/> Terminal leaflet: shape of blade	deltoid	deltoid
<input checked="" type="checkbox"/> Terminal leaflet: length	short	long
<input checked="" type="checkbox"/> Terminal leaflet: width	medium	broad
<input type="checkbox"/> Plant: days to flower	49.7	50.6
<input checked="" type="checkbox"/> Peduncle: length	short to medium	long
<input type="checkbox"/> Mature pod: curvature	slightly curved	slightly curved
<input type="checkbox"/> Mature pod: length	medium	medium

<input type="checkbox"/>	Mature pod: number of seeds	medium	medium
<input type="checkbox"/>	Seed: shape	globose	globose
<input type="checkbox"/>	Seed: weight (100 seed wt.)	medium	low

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	‘Satin 2’	‘Satin’
<input checked="" type="checkbox"/> Plant: powdery mildew resistance	moderately resistant	moderately susceptible
<input checked="" type="checkbox"/> Plant: tan spot resistance	moderately resistant	very susceptible
<input type="checkbox"/> Seed: testa colour	green	green
<input type="checkbox"/> Seed: testa lustre	dull	dull

Statistical Table

Organ/Plant Part: Context	‘Satin 2’	‘Satin’
<input checked="" type="checkbox"/> Leaf petiole: length (mm)		
Mean	103.90	147.20
Std. Deviation	15.75	20.92
LSD/sig	2.11	P≤0.01
<input checked="" type="checkbox"/> Leaf central leaflet: length (mm)		
Mean	83.85	106.80
Std. Deviation	9.31	15.99
LSD/sig	1.62	P≤0.01
<input checked="" type="checkbox"/> Leaf central leaflet: width (mm)		
Mean	86.20	105.20
Std. Deviation	8.12	13.90
LSD/sig	1.51	P≤0.01
<input checked="" type="checkbox"/> Peduncle: length (mm)		
Mean	103.30	125.10
Std. Deviation	13.33	22.42
LSD/sig	1.94	P≤0.01
<input type="checkbox"/> Pod : length (mm)		
Mean	101.18	99.85
Std. Deviation	7.88	6.39
LSD/sig	1.49	ns
<input checked="" type="checkbox"/> Seed: number of seeds per pod		
Mean	10.95	11.75
Std. Deviation	1.34	1.24
LSD/sig	0.61	P≤0.01
<input type="checkbox"/> Seed: weight per pod (g)		
Mean	0.83	0.76
Std. Deviation	0.14	0.11
LSD/sig	0.20	ns
<input type="checkbox"/> Seed: 100 seed weight (g)		

Mean	7.57	6.53
Std. Deviation	0.77	0.80
LSD/sig	0.47	P≤0.01
<input type="checkbox"/> Plant: days to flower		
Mean	49.73	50.60
Std. Deviation	2.84	2.46
LSD/sig	0.89	ns
<input type="checkbox"/> Plant: height (cm)		
Mean	31.40	42.58
Std. Deviation	3.50	5.54
LSD/sig	0.99	P≤0.01

Prior Applications and Sales

Nil.

Description: **John Rose**, Hermitage Research Station, Warwick, QLD.

Details of Application

Application Number	2007/308
Variety Name	'Crystal'
Genus Species	<i>Vigna radiata</i>
Common Name	Mung Bean
Synonym	Nil
Accepted Date	10 Jan 2008
Applicant	State of Queensland through its Department of Primary Industries and Fisheries, Brisbane, QLD and Grains Research & Development Corporation, Barton, ACT
Agent	N/A
Qualified Person	John Rose

Details of Comparative Trial

Location	Hermitage Research Station, Warwick QLD
Descriptor	Cowpea (<i>Vigna unguiculata</i>) PBR COWP.
Period	2006
Conditions	Trial grown in the field at Hermitage Research Station, Warwick. The trial was sown 24th Jan 2006 on black cracking clay with a full profile of soil moisture. No irrigation was required.
Trial Design	Three replicates of each variety were sown in a randomised block design Each plot was a single 5m row with 75cm spacing. Single plants were spaced 10cm apart.
Measurements	Days to flower, plant height, central leaflet length and breadth, petiole length, peduncle length, pod length, seeds per pod, weight of seed per pod, 100 seed weight, resistance to powdery mildew, resistance to tan spot.
RHS Chart - edition	N/A

Origin and Breeding

Controlled pollination: 'Crystal' was derived from a three-way cross with the pedigree 'White Gold'//CPI10987/'Emerald'. The cross was made by Dr Chunji Liu of CSIRO in 1999. 'Emerald' had moderate yield and good resistance to powdery mildew. CPI10987 was resistant to tan spot. 'White Gold' has large shiny seeds, good yield potential and good resistance to powdery mildew. The three-way F₁ plants were space planted at Gatton Research Station. Selection criteria for selecting individual plants were: resistance to powdery mildew and tan spot, yield potential (pod density, size and position), plant height, seed quality (size and colour). A single 3-way F₂ row was grown from each selected F₁ plant. The same criteria were used to select rows which combined high yield potential with resistance to powdery mildew and tan spot. Further selection was carried out on 3-way F₃ and F₄ rows. 160 fixed lines were passed on to QDPI&F and further selection was supervised by Dr. Merrill Ryan. In the 2002/03 season, 'Crystal' was one of the lines tested at 4 spring (dryland and irrigated) sites and 6 summer (dryland and irrigated) sites in QLD and NSW. 13 similar trials were planted in 2003/04 and 7 in 2004/05. Data on yield, resistance to powdery mildew, resistance to tan spot and quality assessments were used to make the final selections.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	growth habit	upright
Plant	growth type	determinate
Plant	twinning tendency	absent
Plant	anthocyanin	absent
Terminal leaflet	shape of blade	deltoid
Mature pod	curvature	slightly curved
Seed	seed coat lustre	shiny
Seed	shape	globose

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Emerald'	
'Delta'	
'White Gold'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety
'Celera'	Seed size	large	small
'Satin'	Seed seed coat lustre	shiny	dull
'Black Pearl'	Seed seed coat colour	green	black
'Green Diamond'	Seed size	large	small
'Berken'	Plant anthocyanin	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	'Crystal'	'Delta'	'Emerald'	'White Gold'
<input type="checkbox"/> Plant: growth habit	upright	upright	upright	upright
<input type="checkbox"/> Plant: growth type	determinate	determinate	determinate	determinate
<input type="checkbox"/> Plant: twinning tendency	absent	absent	absent	absent
<input type="checkbox"/> Petiole: anthocyanin colouration at point of attachment of leaf	absent	absent	absent	absent
<input type="checkbox"/> Petiole: anthocyanin colouration at point of attachment of stem	absent	absent	absent	absent
<input type="checkbox"/> Terminal leaflet: shape of blade	deltoid	deltoid	deltoid	deltoid
<input type="checkbox"/> Terminal leaflet: length	medium	medium	medium	medium
<input type="checkbox"/> Terminal leaflet: width	medium	medium	medium	medium
<input type="checkbox"/> Plant: days to flower	41	40.7	40.6	41.2
<input type="checkbox"/> Peduncle: length	medium	medium to long	medium to long	short to medium
<input type="checkbox"/> Immature pod: anthocyanin colouration	absent	absent	absent	absent

<input type="checkbox"/>	Mature pod: curvature	slightly curved	slightly curved	slightly curved	slightly curved
<input type="checkbox"/>	Mature pod: length	medium	short	medium	medium
<input type="checkbox"/>	Mature pod: number of seeds	medium	medium	medium	medium
<input type="checkbox"/>	Seed: shape	globose	globose	globose	globose
<input type="checkbox"/>	Seed: weight (100 seed wt.)	medium	medium	medium	medium

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	‘Crystal’	‘Delta’	‘Emerald’	‘White Gold’
<input type="checkbox"/> Seed: testa lustre	shiny	shiny	shiny	shiny
<input checked="" type="checkbox"/> Plant: tan spot resistance	moderately resistant	susceptible	susceptible	moderately resistant
<input checked="" type="checkbox"/> Plant: powdery mildew resistance	moderately resistant	susceptible	moderately resistant	moderately susceptible
<input type="checkbox"/> Seed: testa colour	green	green	green	green

Statistical Table

Organ/Plant Part: Context	‘Crystal’	‘Delta’	‘Emerald’	‘White Gold’
<input type="checkbox"/> Plant: days to flower (days)				
Mean	40.97	40.70	40.60	41.20
Std. Deviation	1.76	1.85	1.65	1.72
LSD/sig	0.77	ns	ns	ns
<input checked="" type="checkbox"/> Plant: height (cm)				
Mean	49.64	43.10	47.40	46.40
Std. Deviation	3.62	4.42	4.95	4.72
LSD/sig	1.58	P≤0.01	ns	P≤0.01
<input checked="" type="checkbox"/> Leaf petiole: length (mm)				
Mean	170.70	136.30	151.30	158.60
Std. Deviation	18.26	21.40	20.55	23.00
LSD/sig	11.27	P≤0.01	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Leaf central leaflet: length (mm)				
Mean	108.10	96.90	109.90	103.40
Std. Deviation	12.10	13.94	13.92	15.38
LSD/sig	7.47	P≤0.01	ns	ns
<input checked="" type="checkbox"/> Leaf central leaflet: width (mm)				
Mean	101.80	90.30	105.90	97.60
Std. Deviation	12.61	14.10	15.01	14.82
LSD/sig	7.78	P≤0.01	ns	ns
<input checked="" type="checkbox"/> Peduncle: length (mm)				
Mean	147.70	153.60	157.50	154.50
Std. Deviation	18.87	17.50	14.74	21.48
LSD/sig	8.24	ns	P≤0.01	ns
<input type="checkbox"/> Pod: length (mm)				
Mean	106.40	96.10	95.70	113.20

Std. Deviation	7.16	4.15	3.87	6.36
LSD/sig	3.13	P≤0.01	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Seed: seeds per pod				
Mean	12.10	11.03	12.67	11.63
Std. Deviation	1.25	1.22	1.25	1.22
LSD/sig	0.54	P≤0.01	P≤0.01	ns
<input checked="" type="checkbox"/> Seed: weight per pod (g)				
Mean	0.95	0.81	0.91	1.08
Std. Deviation	0.10	0.10	0.08	0.18
LSD/sig	0.04	P≤0.01	ns	P≤0.01
<input checked="" type="checkbox"/> Seed: 100 seed weight (g)				
Mean	7.95	7.37	7.24	9.24
Std. Deviation	0.94	0.69	0.59	1.08
LSD/sig	0.41	P≤0.01	P≤0.01	P≤0.01

Prior Applications and Sales

Nil.

Description: **John Rose**, Hermitage Research Station, Warwick QLD.

Details of Application

Application Number	2005/352
Variety Name	'Allright'
Genus Species	<i>Morinda citrifolia</i>
Common Name	Noni
Synonym	Nil
Accepted Date	25 Jan 2006
Applicant	Aurait Supreme Pty Ltd, Babinda, QLD
Agent	N/A
Qualified Person	Deo Singh

Details of Comparative Trial

Location	Aurait Supreme Pty Ltd, Babinda, QLD.
Descriptor	Morinda (<i>Morinda</i>) PBR-MORI
Period	2006 to 2008.
Conditions	At least fifty plants were interplanted within the commercial field planting of the parental types on Lot3, East Russell, Babinda. The whole plantation was given the standard agronomical farm practices. Cyclone damaged a lot of plants, some had to be replaced in 2006 and some had to be cut back and propped.
Trial Design	Plated at random amongst the parental variety.
Measurements	Measurements were taken from branches at random from three trees.
RHS Chart - edition	2000.

Origin and Breeding

Seedling selection: Morindas are known to have either yellowish white mature fruits as in *M. citrifolia* or on maturity the fruits remain green as in *M. trimera*. In 2001, the breeder identified a couple of trees in isolation in PNG that had pinkish mature fruits. The trees had sparse growth habit and had few small to medium fruits. Seeds were collected and planted, in 2005, one seedling was noted to have dense growth habit and produced plenty of large fruits. It had fewer seeds; fruits were larger than the parental type and had very poor germination rate. It has been vegetatively produced through two generations without off types. Selection criteria: fruit colour, size and number. Breeder: Augustine Wai Ho Lee, Babinda, QLD.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Fruit	colour	pink

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
<i>M. citrifolia</i> breeding line	The parental breeding line has pinkish mature fruits but they are relatively small and few in numbers compared to the candidate variety which has many large fruits.

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety
<i>M. trimera</i>	Fruit colour	pink	green
<i>M. citrifolia</i> (Indian Mulberry)	Mature fruit colour	pink	yellowish white

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	'Allright'	<i>M. citrifolia</i> breeding line
<input type="checkbox"/> Interpetiolar stipule: apex shape (on lateral shoot)	short acute	short acute
<input type="checkbox"/> Interpetiolar stipule: colour (on lateral shoot)	light green	light green
<input type="checkbox"/> Petiole: colour	light green	light green
<input type="checkbox"/> Leaf: length (mature leaves from third node of lateral shoot)	medium to long	medium
<input type="checkbox"/> Leaf: width (at widest point)	medium to broad	medium
<input type="checkbox"/> Leaf: variegation	absent	absent
<input type="checkbox"/> Leaf: green colour of upper side	medium green	medium green
<input type="checkbox"/> Leaf: glossiness	weak	weak
<input type="checkbox"/> Leaf: apex shape	acute	acute
<input type="checkbox"/> Leaf: number of lateral veins	six to eight	six to eight
<input type="checkbox"/> Stigma: position in relation to anthers	same level	same level
<input type="checkbox"/> Floret: number of anthers	five	five
<input type="checkbox"/> Fruit: colour	pink (RHS 49CD)	pink (RHS 49 CD)
<input type="checkbox"/> Fruit: colour of floral eye outline	yellowish green	yellowish green
<input type="checkbox"/> Fruit: floral eye position (relative to bract or rudimentary bract)	level	level
<input type="checkbox"/> Fruit: skin texture	smooth	smooth
<input type="checkbox"/> Fruit: shape	round	round
<input type="checkbox"/> Fruit: presence of parthenocarpic florets	absent	absent
<input checked="" type="checkbox"/> Fruit: length	long to very long	short to medium
<input checked="" type="checkbox"/> Fruit: width	broad to very broad	medium
<input type="checkbox"/> Fruit: position of peduncle	conspicuous erect	conspicuous erect
<input type="checkbox"/> Fruit: attitude of base around peduncle	depressed	depressed
<input type="checkbox"/> Fruit: bunching	absent	absent
<input type="checkbox"/> Fruit: branching	absent	absent
<input type="checkbox"/> Fruit: segmentation	absent	absent
<input checked="" type="checkbox"/> Fruit: firmness	strong to very strong	weak to medium

<input checked="" type="checkbox"/>	Seed: length	long to very long	short
<input type="checkbox"/>	Seed: width	medium	medium
<input type="checkbox"/>	Seed: colour	reddish brown	reddish brown

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	‘Allright’	<i>M. citrifolia</i> breeding line
<input checked="" type="checkbox"/> Fruit: bearing ability	heavy	medium
<input checked="" type="checkbox"/> Fruit : size	large	medium
<input checked="" type="checkbox"/> Fruit: shelf-life	long	short
<input checked="" type="checkbox"/> Seed: abundance	few	many
<input checked="" type="checkbox"/> Seed: germination	weak	strong
<input checked="" type="checkbox"/> cold: tolerance	strong	weak

Statistical Table

Organ/Plant Part: Context	‘Allright’	<i>M. citrifolia</i> breeding line
<input checked="" type="checkbox"/> Leaf: length - mature leaves from third node of lateral shoot - (mm)		
Mean	237.8	230.4
Std. Deviation	14.18	18.45
LSD/sig	38.99	ns
<input type="checkbox"/> Leaf: width – at widest point - (mm)		
Mean	174.6	174.2
Std. Deviation	19.11	13.39
LSD/sig	39.10	ns
<input checked="" type="checkbox"/> Fruit: length (mm)		
Mean	88.8	40.8
Std. Deviation	11.18	4.99
LSD/sig	27.79	P≤0.01
<input checked="" type="checkbox"/> Fruit: width (mm)		
Mean	93.3	50.3
Std. Deviation	9.03	13.72
LSD/sig	25.8	P≤0.01
<input checked="" type="checkbox"/> Seed: length (mm)		
Mean	12.73	8.76
Std. Deviation	0.35	0.71
LSD/sig	0.84	P≤0.01
<input type="checkbox"/> Seed: width (mm)		
Mean	5.24	4.87
Std. Deviation	0.38	0.48
LSD/sig	0.65	ns

Prior Applications and Sales

Nil.

Description: **Deo Singh**, Ormiston, QLD.

Details of Application

Application Number	2008/189
Variety Name	'Mammoth'
Genus Species	<i>Avena sativa</i>
Common Name	Oats
Synonym	Nil
Accepted Date	29 Jul 2008
Applicant	New Zealand Institute for Crop & Food Research Limited, Christchurch, New Zealand
Agent	Heritage Seeds Pty Ltd, Howlong, NSW
Qualified Person	Allen Newman

Details of Comparative Trial

Location	Heritage Seeds Research, Howlong, NSW
Descriptor	Oats (<i>Avena sativa</i>) TG/20/10
Period	26 May – 1 Dec 2008.
Conditions	Trial was sown with a cone seeder into a very good seed bed with good moisture. The trial was grown under good agronomic field conditions and management with several irrigations applied as needed during spring.
Trial Design	Randomised block design, 1.2m x 5m plots in 3 replicates.
Measurements	Ten plants randomly selected per replicate from a total of approximately 1,000 plants.

RHS Chart - edition**Origin and Breeding**

1994/95 F2 population selected on 'Aorangi' research site (close to Palmerston North) from Agriculture Canada's (Winnipeg) northern hemisphere winter shuttle nursery programme. Population harvested as a single bulk population. 1995/96 F3 bulk population grown out on CFR field site located near Gore, NZ. Population selected and harvested as a single bulk population, screened for grain size using a 2.4mm sieve; offal screenings discarded from population. 1995/96 F4 bulk population grown out on CFR Lincoln based research farm in Canterbury, NZ. Population selected and harvested as a single bulk population, screened for grain size using a 2.2mm sieve; offal screenings discarded from population. 1996/97 F5 bulk population grown out on CFR Lincoln based research farm in Canterbury, NZ. Random sample of panicles harvested, threshed individually, checked for grain appearance, and poor seed samples and off-types discarded. 1998/99 F6 sown as hill plots on CFR Lincoln based research farm in Canterbury. Screened for field appearance, lodging resistance, plant type, height and disease; especially barley yellow dwarf virus. 10 panicles harvested from selected hills. Hill sourced panicles threshed individually and off type groups discarded. Best 5 panicles of each retained group, based on grain type, prepared for resowing. 99/2000 F7: each progeny population of 5 panicles per hill from 97/98 season were sown as individual 1.3 metre rod rows on CFR Lincoln based research farm in Canterbury. All lines screened for field appearance, lodging resistance, plant type, fodder potential, maturity, height and disease, especially barley yellow dwarf virus. Selected rows harvested individually. Post harvest seed lines sieved using a 2.2mm screen, and further selection for sowing based on grain appearance. 2000 F8: a sample of selection number 100 of the several hundred lines tested (NZA1061,100 previously identified as 95CDA4929-100) was shipped to Heritage Seeds and increased in Australia under Australian quarantine protocols. 2001 to 2008 Evaluated by Heritage Seeds for forage potential using a parallel system of small forage plot trials, seed multiplication for on-farm evaluation, and pure seed production. KWA 30/5/08.

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
Panicle	orientation of branches	equilateral
Panicle	attitude of spikelets	pendulous
Primary grain	hairiness of back of lemma	absent

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Graza 50'	
'Graza 51'	
'Graza 68'	
'Graza 80'	
'Galileo'	
'Dawson'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety
'Taipan'	Primary grain	lemma awn	very weak/weak
'Moola'	Plant	panicle emergence	intermediate
			very strong
			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	'Mammoth'	'Dawson'	'Galileo'	'Graza 50'	'Graza 51'	'Graza 68'	'Graza 80'
<input type="checkbox"/> Plant: growth habit	erect to semi-erect	erect	semi-erect	erect	erect to semi-erect	erect to semi-erect	semi-erect
<input checked="" type="checkbox"/> *Leaf blade: hairiness of margins of leaf below flag leaf	weak	absent or very weak	absent or very weak	absent or very weak	weak	medium	absent or very weak
<input checked="" type="checkbox"/> Plant: frequency of plants with recurved flag leaves	medium	absent or very low	very high	very low to low	low	low	high
<input type="checkbox"/> *Time of: panicle emergence	late to very late	medium to late	late to very late	late	very late	late to very late	late to very late
<input checked="" type="checkbox"/> *Stem: hairiness of uppermost node	absent	absent	present	absent	present	absent	present
<input type="checkbox"/> Panicle: orientation of branches	equilateral						
<input type="checkbox"/> Panicle:	semi-erect to	semi-erect	semi-erect	semi-erect	semi-erect	semi-erect	semi-erect

attitude of branches	horizontal	to horizontal	to horizontal				to horizontal
<input type="checkbox"/> Panicle: attitude of spikelets	pendulous	pendulous	pendulous	pendulous	pendulous	pendulous	pendulous
<input checked="" type="checkbox"/> Glumes: glaucosity	weak	very weak to weak	very weak to weak	strong	strong	medium	weak to medium
<input type="checkbox"/> Glumes: length	medium	medium	medium	medium	medium	medium to long	medium
<input type="checkbox"/> *Primary grain: glaucosity of lemma	absent	absent	absent	absent	absent	absent	absent
<input checked="" type="checkbox"/> *Plant: length	medium to long	very long	long to very long	long	long	medium to long	medium to long
<input checked="" type="checkbox"/> Panicle: length	medium	short to medium	long	long	medium to long	medium to long	medium to long
<input type="checkbox"/> *Grain: husk	present	present	present	present	present	present	present
<input type="checkbox"/> Primary grain: tendency to be awned	very weak to weak	absent or very weak	very weak to weak	absent or very weak			
<input checked="" type="checkbox"/> Primary grain: length of lemma	short	medium to long	medium	medium to long	short	medium	short
<input type="checkbox"/> *Grain: colour of lemma	white	white	white	white	white	yellow	white
<input type="checkbox"/> Primary grain: hairiness of back of lemma	absent	absent	absent	absent	absent	absent	absent
<input checked="" type="checkbox"/> Primary grain: hairiness of base	medium	absent or very weak	absent or very weak	weak	very strong	weak	strong to very strong
<input checked="" type="checkbox"/> Primary grain: length of basal hairs	medium			very short to short	long to very long	medium to long	long to very long
<input type="checkbox"/> Primary grain: length of rachilla	medium	short to medium	medium to long	short to medium	medium to long	medium	short to medium

Statistical Table

Organ/Plant Part: Context	'Mammoth'	'Dawson'	'Galileo'	'Graza 50'	'Graza 51'	'Graza 68'	'Graza 80'
<input checked="" type="checkbox"/> Plant: length (cm)							
Mean	98.20	118.43	112.03	108.40	104.60	97.90	98.87
Std. Deviation	5.06	7.51	5.03	7.59	4.77	4.29	5.70
LSD/sig	6.99	P≤0.01	P≤0.01	P≤0.01	ns	ns	ns
<input checked="" type="checkbox"/> Panicle: length (cm)							

Mean	22.68	21.46	24.49	24.14	23.86	23.26	23.44
Std. Deviation	2.40	2.40	1.77	1.89	2.33	2.25	2.43
LSD/sig	1.79	ns	P≤0.01	ns	ns	ns	ns
<input type="checkbox"/> Glume: length (mm)							
Mean	21.68	21.82	22.70	23.26	21.21	23.28	22.24
Std. Deviation	1.90	1.71	1.79	1.67	1.97	1.32	1.20
LSD/sig	1.99	ns	ns	ns	ns	ns	ns

Prior Applications and Sales

Nil.

Description: **Allen Newman**, Heritage Seeds Pty Ltd, Howlong, NSW

Details of Application

Application Number	2004/307
Variety Name	'Burpeachthree'
Genus Species	<i>Prunus persica</i>
Common Name	Peach
Synonym	Burpcthree
Accepted Date	23 Dec 2004
Applicant	The Burchell Nursery, Inc., Oakdale, CA, USA
Agent	Jempi Pty Ltd, Beaumaris, VIC
Qualified Person	Graham Fleming

Details of Comparative Trial

Overseas Testing Authority	U.S Patent Office and Trademark Office
Overseas Data Reference Number	PP 12,507
Location	The overseas data was verified in Yellingbo, VIC
Descriptor	Peach/Nectarine (<i>Prunus persica</i>) TG/53/6.
Period	
Conditions	Where possible the overseas data was verified under local conditions. The US plant patent data was converted into standard UPOV characteristics for peach.

Origin and Breeding

Controlled pollination: The seedling 'Burpeachthree' was originated by the inventors in 1993, and chosen from among a population of seedlings which were initially derived from a controlled cross of the peach tree 'Autumn Lady', (U.S. Plant Pat. No. 4,398), which was used as the seed parent, and the 'Summer Lady' peach tree (U.S. Plant Pat. No. 5,865), which was used as the seed pollen parent. The resulting seed from this controlled cross were planted in the spring of 1994. The new variety was selected from among the seedlings growing in the experimental orchards of the Assignee, which is located near the city of Fowler, Calif., County of Fresno, in the central portion of the San Joaquin Valley of Calif. The 'Burpeachthree' was marked for subsequent observation and noted as having exceptional characteristics. It was subsequently evaluated during the 1995-1999 fruiting seasons. After the 1995 season, 'Burpeachthree' was selected for advanced evaluation and re-propagation.

Propagation: Scionwood from the original seedling of the peach tree 'Burpeachthree' was subsequently grafted onto two different and existing 'Nemared' (non-patented) peach rootstocks in 1996 in the evaluation plot on The Burchell Nursery's experimental farm previously described. Fruit from the resulting propagation has been evaluated for the 1997-2000 fruiting seasons. The age at observation was between 2 and 4 years. This evaluation clearly demonstrated that the re-propagated trees are true to the characteristics of the original seedling in all observable aspects.

Selection criteria: Selection criteria: fruit size, flavour, time of maturity and colour. Breeder: John K Slaughter and Timothy J Gerds, The Burchell Nursery, Inc., Oakdale, CA, USA.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Tree	size	large
Flower	type	showy
Calyx	colour of inner side	orange
Corolla	predominant colour	light pink
Petiole	nectaries	present
Petiole	shape of nectaries	reniform
Fruit	firmness of flesh	firm
Fruit	size	large
Fruit	over colour	present
Fruit	pattern of over colour	solid flush
Fruit	extent of over colour	large
Fruit	pubescence	present
Stone	adherence to flesh	present

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Sweet Henry'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety
'Burpeachfour'	Stone adherence to flesh	present	absent
'Fairtime'	Stone adherence to flesh	present	absent
'Autumn Lady'	Stone adherence to flesh	present	absent
'Summer Lady'	Stone adherence to flesh	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	'Burpeachthree'	'Sweet Henry'
<input type="checkbox"/> *Tree: size	large	large
<input type="checkbox"/> *Tree: habit	upright to semi-upright	upright
<input type="checkbox"/> *Flower: type	showy	showy
<input type="checkbox"/> *Calyx: colour of inner side	orange	orange
<input type="checkbox"/> *Corolla: predominant colour	light pink	light pink
<input checked="" type="checkbox"/> *Petal: shape	broad elliptic	round
<input checked="" type="checkbox"/> *Petal: size	medium	very large
<input type="checkbox"/> *Petals: number	five	five
<input type="checkbox"/> *Anthers: pollen	present	present
<input type="checkbox"/> *Ovary: pubescence	present	present
<input type="checkbox"/> *Leaf blade: length	long	medium to long
<input type="checkbox"/> *Leaf blade: width	broad	medium to broad

<input type="checkbox"/>	*Leaf blade: ratio	large	medium to large
<input type="checkbox"/>	Leaf blade: colour	green	
<input type="checkbox"/>	Petiole: length	medium	
<input type="checkbox"/>	*Petiole: nectaries	present	present
<input type="checkbox"/>	*Petiole: shape of nectaries	reniform	reniform
<input checked="" type="checkbox"/>	Petiole: predominant number of nectaries	more than two	two
<input type="checkbox"/>	*Fruit: size	large	large
<input checked="" type="checkbox"/>	*Fruit: shape	oblate	round
<input checked="" type="checkbox"/>	*Fruit: ground colour	yellow	orange yellow
<input type="checkbox"/>	Fruit: over colour	present	present
<input checked="" type="checkbox"/>	Fruit: hue of over colour	medium red	dark red
<input type="checkbox"/>	*Fruit: pattern of over colour	solid flush	solid flush
<input type="checkbox"/>	*Fruit: extent of over colour	large	large
<input type="checkbox"/>	*Fruit: pubescence	present	present
<input checked="" type="checkbox"/>	*Fruit: density of pubescence	sparse	medium
<input type="checkbox"/>	Fruit: thickness of skin	medium	medium
<input type="checkbox"/>	Fruit: adherence of skin to flesh	medium	
<input type="checkbox"/>	*Fruit: firmness of flesh	firm	firm
<input type="checkbox"/>	*Fruit: ground colour of flesh	orange yellow	yellow
<input type="checkbox"/>	*Fruit: anthocyanin colouration directly under skin	weakly expressed	absent or very weakly expressed
<input type="checkbox"/>	*Fruit: anthocyanin colouration of flesh	weakly expressed	weakly expressed
<input type="checkbox"/>	*Fruit: anthocyanin colouration around stone	strongly expressed	strongly expressed
<input type="checkbox"/>	Fruit: texture of the flesh	fibrous	fibrous
<input type="checkbox"/>	*Stone: size compared to fruit	small to medium	large
<input type="checkbox"/>	*Stone: shape	elliptic	
<input type="checkbox"/>	Stone: tendency of splitting	absent or very low	
<input type="checkbox"/>	*Stone: adherence to flesh	present	present
<input type="checkbox"/>	*Time of: beginning of flowering	medium	early to medium
<input type="checkbox"/>	*Time of: maturity	late to very late	late
<u>Characteristics Additional to the Descriptor/TG</u>			
<u>Organ/Plant Part: Context</u>		'Burpeachthree'	'Sweet Henry'
<input checked="" type="checkbox"/>	Fruit: sub acid flavour	absent	present

Prior Applications and Sales

Country	Year	Current Status	Name Applied
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Chile	2004	Granted	'Burpeachthree'
EU	2004	Withdrawn	'Burpeachthree'
USA	1999	Granted	'Burpeachthree'
South Africa	2004	Granted	'Burpeachthree'

First sold in the USA in Dec 1998.

Description: **Lisa Corcoran**, Fleming's Nurseries, Monbulk, VIC.

Details of Application

Application Number	2004/310
Variety Name	'Burpeachsix'
Genus Species	<i>Prunus persica</i>
Common Name	Peach
Synonym	Burpchsix
Accepted Date	23 Dec 2004
Applicant	The Burchell Nursery, Inc., Oakdale, CA, USA
Agent	Jempi Pty Ltd, Beaumaris, VIC
Qualified Person	Graham Fleming

Details of Comparative Trial

Overseas Testing Authority	U.S Patent Office and Trademark Office
Overseas Data Reference Number	PP 13,392
Location	The overseas data was verified in Yellingbo, VIC
Descriptor	Peach/Nectarine (<i>Prunus persica</i>) TG/53/6.
Period	
Conditions	Where possible the overseas data was verified under local conditions. The US plant patent data was converted into standard UPOV characteristics for peach.

Origin and Breeding

Controlled pollination: The seedling 'Burpeachsix' was originated by us in 1994, and was chosen from among a population of seedlings which resulted from a controlled cross pollination of the 'Grand Diamond' Nectarine Tree (U.S. Plant Pat. No. 4,095), which was used as the pollen parent, and the 'July Lady' Peach Tree (U.S. Plant Pat. No. 3,023), which was used as the seed parent. The resulting seed from this cross was planted in the spring of 1995. The new variety was selected from among seedlings growing in experimental orchards near the city of Fowler, Calif., County of Fresno, in the Central San Joaquin Valley. The Peach Tree 'Burpeachsix' was subsequently marked and noted as having exceptional characteristics. After the 1996 season, the Peach Tree 'Burpeachsix' was selected for advanced evaluation and re-propagation. It has been subsequently evaluated during the 1996-1999 fruiting seasons. Propagation: Scionwood from the original seedling of the Peach Tree, 'Burpeachsix' was collected and grafted in the evaluation plot in the experimental orchard previously described onto two different and existing 'Nemared' (unpatented) rootstocks in February of 1997. The resulting propagation (fruit and scion) have been subsequently evaluated in the 1998 and 1999 seasons. These evaluations clearly demonstrated that the repropagated trees are true to the fruiting and vegetative characteristics of the original seedling in all observable aspects. Selection criteria: fruit size, flavour, time of maturity and colour. Breeder: John K Slaughter and Timothy J Gerdts, The Burchell Nursery, Inc., Oakdale, CA, USA.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Calyx	colour of inner side	orange
Petiole	nectaries	present
Petiole	shape of nectaries	reniform
Fruit	firmness of flesh	firm
Fruit	size	large
Fruit	ground colour	yellow
Fruit	over colour	present
Fruit	hue of over colour	medium red
Fruit	pattern of over colour	solid flush
Fruit	extent of over colour	large
Fruit	pubescence	present
Stone	adherence to flesh	absent

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Sierra Rich'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Red Top'	Fruit extent of over colour	large	medium	'Burpeachsix' has a brighter and more extensive over colour than 'Red Top'.
'Red Top'	Fruit maturity	early to medium	early	'Burpeachsix' matures approximately 1 week later than 'Red Top'.
'July Lady'	Fruit extent of over colour	large	medium	seed parent
'Grand Diamond'	Fruit pubescence	present	absent	pollen parent is a nectarine

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	'Burpeachsix'	'Sierra Rich'
<input type="checkbox"/> *Tree: size	medium to large	large
<input type="checkbox"/> *Tree: habit	upright to semi-upright	upright
<input checked="" type="checkbox"/> *Flower: type	non showy	showy
<input type="checkbox"/> *Calyx: colour of inner side	orange	orange
<input checked="" type="checkbox"/> *Corolla: predominant colour	light pink	medium pink
<input checked="" type="checkbox"/> *Petal: shape	broad elliptic	round

<input type="checkbox"/>	*Petal: size	medium to large	large
<input type="checkbox"/>	*Petals: number	five	five
<input type="checkbox"/>	*Anthers: pollen	present	present
<input type="checkbox"/>	*Ovary: pubescence	present	present
<input checked="" type="checkbox"/>	*Leaf blade: length	medium	long
<input checked="" type="checkbox"/>	*Leaf blade: width	medium	broad
<input checked="" type="checkbox"/>	*Leaf blade: ratio	medium	large
<input type="checkbox"/>	Petiole: length	medium	
<input type="checkbox"/>	*Petiole: nectaries	present	present
<input type="checkbox"/>	*Petiole: shape of nectaries	reniform	reniform
<input type="checkbox"/>	Petiole: predominant number of nectaries	two	two
<input checked="" type="checkbox"/>	*Fruit: size	medium	large
<input type="checkbox"/>	*Fruit: shape	round	round
<input type="checkbox"/>	*Fruit: ground colour	yellow	yellow
<input type="checkbox"/>	Fruit: over colour	present	present
<input type="checkbox"/>	Fruit: hue of over colour	medium red	medium red
<input type="checkbox"/>	*Fruit: pattern of over colour	solid flush	solid flush
<input type="checkbox"/>	*Fruit: extent of over colour	large	large
<input type="checkbox"/>	*Fruit: pubescence	present	present
<input type="checkbox"/>	*Fruit: density of pubescence	sparse to medium	medium
<input type="checkbox"/>	Fruit: thickness of skin	medium	medium
<input type="checkbox"/>	Fruit: adherence of skin to flesh	medium	
<input type="checkbox"/>	*Fruit: firmness of flesh	firm	firm
<input type="checkbox"/>	*Fruit: ground colour of flesh	orange 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	weakly expressed
<input type="checkbox"/>	*Fruit: anthocyanin colouration around stone	strongly expressed	strongly expressed
<input type="checkbox"/>	Fruit: texture of the flesh	fibrous	fibrous
<input type="checkbox"/>	*Stone: size compared to fruit	medium to large	large
<input type="checkbox"/>	*Stone: shape	round	
<input type="checkbox"/>	Stone: tendency of splitting	absent or very low	
<input type="checkbox"/>	*Stone: adherence to flesh	absent	absent
<input type="checkbox"/>	*Time of: beginning of flowering	early to medium	early to medium

<input type="checkbox"/>	*Time of: maturity	early to medium	medium
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Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context

<input type="checkbox"/>	Fruit: sub acid flavour	absent	absent
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Prior Applications and Sales

Country	Year	Current Status	Name Applied
Chile	2004	Granted	'Burpeachsix'
EU	2004	Applied	'Burpeachsix'
USA	2000	Granted	'Burpeachsix'
South Africa	2004	Applied	'Burpeachsix'

First sold in the USA in Mar 1999.

Description: **Lisa Corcoran**, Fleming's Nurseries, Monbulk, VIC

Details of Application

Application Number	2004/306
Variety Name	'Burpeachtwo'
Genus Species	<i>Prunus persica</i>
Common Name	Peach
Synonym	Burpchtwo
Accepted Date	23 Dec 2004
Applicant	The Burchell Nursery, Inc., Oakdale, CA, USA
Agent	Jempi Pty Ltd, Beaumaris, VIC
Qualified Person	Graham Fleming

Details of Comparative Trial

Overseas Testing Authority	U.S Patent Office and Trademark Office
Overseas Data Reference Number	PP 12,157
Location	The overseas data was verified in Yellingbo, VIC
Descriptor	Peach/Nectarine (<i>Prunus persica</i>) TG/53/6
Period	
Conditions	Where possible the overseas data was verified under local conditions. The US plant patent data was converted into standard UPOV characteristics for peach.

Origin and Breeding

Controlled pollination: The seedling 'Burpeachtwo' was originated by the breeders in 1993, and chosen from among a population of seedlings which were derived from a controlled cross of the Peach Tree 'Autumn Lady', (U.S. Plant Pat. No. 4,398) which was used as the pollen parent; and the 'Summer Lady' Peach Tree, (U.S. Plant Pat. No. 5,865), which was used as the seed parent. The resulting seeds from this controlled cross were planted in the spring of 1994. The new variety of peach tree was selected from among the seedlings then growing in the experimental orchards of the Assignee of the present application near the city of Fowler, Calif., County of Fresno in the San Joaquin Valley. The Peach Tree 'Burpeachtwo' was subsequently marked for observation and noted at that time as having exceptional characteristics. It has been subsequently and repeatedly evaluated during the 1995-1999 fruiting seasons. After the 1995 season, the Peach Tree 'Burpeachtwo' was selected for advanced evaluation and repropagation. Propagation: The new variety Peach Tree 'Burpeachtwo' was grafted into two different and existing 'Nemared' (non patented) peach rootstocks in February of 1996. The 'Nemared' rootstocks were planted in 1995. These rootstocks provide the means by which more information regarding the new variety could be derived. Scionwood from the original seedling of the Peach Tree, 'Burpeachtwo' was subsequently collected and grafted in the evaluation plot on the assignees experimental farm previously described. Fruit from the resulting propagation has been evaluated for each of the 1997, 1998 and 1999 fruiting seasons. These subsequent evaluations have clearly demonstrated that the re-propagated trees are true to the characteristics of the original seedling in all observable aspects. Selection criteria: fruit size, flavour, time of maturity and colour. Breeder: John K Slaughter and Timothy J Gerds, The Burchell Nursery, Inc., Oakdale, CA, USA.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Tree	habit	upright
Flower	type	showy
Calyx	colour of inner side	orange
Corolla	predominant colour	light pink
Petiole	nectaries	present
Petiole	shape of nectaries	reniform
Fruit	firmness of flesh	firm
Fruit	size	large
Fruit	ground colour	yellow
Fruit	over colour	present
Fruit	hue of over colour	medium red
Fruit	pattern of over colour	solid flush
Fruit	extent of over colour	large
Fruit	pubescence	present
Fruit	time of maturity	late

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Kaweah'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'O'Henry'	Stone adherence to flesh	present	absent	
'Summer Lady'	Stone adherence to flesh	present	absent	
'Autumn Lady'	Stone adherence to flesh	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	'Burpeachtwo'	'Kaweah'
<input type="checkbox"/> *Tree: size	medium to large	large
<input type="checkbox"/> *Tree: habit	upright	upright
<input type="checkbox"/> *Flower: type	showy	showy
<input type="checkbox"/> *Calyx: colour of inner side	orange	orange
<input type="checkbox"/> *Corolla: predominant colour	light pink	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"/> *Anthers: pollen	present	present
<input type="checkbox"/> *Ovary: pubescence	present	present
<input type="checkbox"/> *Petiole: nectaries	present	present

<input type="checkbox"/>	*Petiole: shape of nectaries	reniform	reniform
<input type="checkbox"/>	Petiole: predominant number of nectaries	more than two	more than two
<input type="checkbox"/>	*Fruit: size	large	large
<input type="checkbox"/>	*Fruit: shape	oblate	round
<input type="checkbox"/>	*Fruit: ground colour	yellow	yellow
<input type="checkbox"/>	Fruit: over colour	present	present
<input type="checkbox"/>	Fruit: hue of over colour	medium red	medium red
<input type="checkbox"/>	*Fruit: pattern of over colour	solid flush	solid flush
<input type="checkbox"/>	*Fruit: extent of over colour	large	large
<input type="checkbox"/>	*Fruit: pubescence	present	present
<input checked="" type="checkbox"/>	*Fruit: density of pubescence	sparse	medium
<input type="checkbox"/>	Fruit: thickness of skin	medium to thick	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	yellow	yellow
<input type="checkbox"/>	*Fruit: anthocyanin colouration of flesh	weakly expressed	
<input type="checkbox"/>	*Fruit: anthocyanin colouration around stone	strongly expressed	strongly expressed
<input type="checkbox"/>	Fruit: texture of the flesh	fibrous	fibrous
<input type="checkbox"/>	*Stone: size compared to fruit	medium	medium
<input checked="" type="checkbox"/>	*Stone: shape	elliptic	obovate
<input type="checkbox"/>	Stone: relief of surface	pits and grooves	pits and grooves
<input type="checkbox"/>	Stone: tendency of splitting	absent or very low	absent or very low
<input checked="" type="checkbox"/>	*Stone: adherence to flesh	present	absent
<input type="checkbox"/>	*Time of: beginning of flowering	medium	medium
<input checked="" type="checkbox"/>	*Duration of: flowering	medium	short
<input type="checkbox"/>	*Time of: maturity	late	late

Prior Applications and Sales

Country	Year	Current Status	Name Applied
Chile	2004	Granted	'Burpeachtwo'
EU	2001	Granted	'Burpeachtwo'
USA	1999	Granted	'Burpeachtwo'
South Africa	2004	Applied	'Burpeachtwo'

First sold in the USA in Jan 1999.

Description: **Lisa Corcoran**, Fleming's Nurseries, Monbulk, VIC

Details of Application

Application Number	2004/308
Variety Name	'Burpeachfour'
Genus Species	<i>Prunus persica</i>
Common Name	Peach
Synonym	Burpchtfour
Accepted Date	23 Dec 2004
Applicant	The Burchell Nursery, Inc., Oakdale, CA, USA
Agent	Jempi Pty Ltd, Beaumaris, VIC
Qualified Person	Graham Fleming

Details of Comparative Trial

Overseas Testing Authority	U.S Patent Office and Trademark Office
Overseas Data Reference Number	PP12,405
Location	The overseas data was verified in Yellingbo, VIC
Descriptor	Peach/Nectarine (<i>Prunus persica</i>) TG/53/6.
Period	
Conditions	Where possible the overseas data was verified under local conditions. The US plant patent data was converted into standard UPOV characteristics for peach.

Origin and Breeding

Controlled pollination: The seedling 'Burpeachfour' was originated by the breeders in 1994, and selected from among a population of seedlings which were derived from a controlled cross of an unnamed peach seedling used as the pollen parent, and the 'Carnival' peach tree, (U.S. Plant Pat. No. 2,144), which was used as the seed parent. The resulting seed from this cross was planted in the spring of 1995. The new variety was selected from among seedlings growing in the experimental orchards of The Burchell Nursery, Inc. which is located near the city of Fowler, Calif., County of Fresno in the San Joaquin Valley. The seedling 'Burpeachfour' was marked for subsequent observation and noted as having exceptional characteristics. It was subsequently evaluated during the 1996-1999 fruit growing seasons. Propagation: After the 1996 season, the seedling 'B2.034' was selected for advanced evaluation and re-propagation. The new variety 'Burpeachfour' was grafted onto two different and existing nemared peach rootstocks (unpatented) in February of 1997. Scionwood from the original seedling of the peach tree, 'Burpeachfour' was then collected and grafted onto the two peach rootstocks in the evaluation plot on the Burchell Nursery's experimental farm previously described. Fruit from the resulting propagation has been evaluated for both the 1998 and 1999 fruiting seasons. This subsequent evaluation clearly demonstrated that the re-propagated trees are true to the characteristics of the original seedling in all observable aspects. Selection criteria: fruit size, flavour, time of maturity and colour. Breeder: John K Slaughter and Timothy J Gerdt, The Burchell Nursery, Inc., Oakdale, CA, USA.

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

Variety of Common Knowledge

Organ/Plant Part	Context	State of Expression in Group of Varieties
Flower	type	showy
Calyx	colour of inner side	orange
Corolla	predominant colour	light pink
Petiole	nectaries	present
Petiole	shape of nectaries	reniform
Fruit	firmness of flesh	firm
Fruit	ground colour	yellow
Fruit	over colour	present
Fruit	pattern of over colour	solid flush
Fruit	extent of over colour	large
Fruit	pubescence	present

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Sweet Henry'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Ryans Sun'	Fruit time of maturity	late to very late	late	'Burpeachfour' ripens approximately 7 days later than 'Ryans Sun'
'Carnival'	Fruit time of maturity	late to very late	very late	'Burpeachfour' ripens approximately 14 days earlier than 'Carnival'

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	'Burpeachfour'	'Sweet Henry'
<input type="checkbox"/> *Tree: size	medium to large	large
<input type="checkbox"/> Tree: vigour	medium	
<input type="checkbox"/> *Tree: habit	upright to semi-upright	upright
<input type="checkbox"/> *Flower: type	showy	showy
<input type="checkbox"/> *Calyx: colour of inner side	orange	orange
<input type="checkbox"/> *Corolla: predominant colour	light pink	light pink
<input checked="" type="checkbox"/> *Petal: shape	broad elliptic	round
<input checked="" type="checkbox"/> *Petal: size	medium	very large
<input type="checkbox"/> *Petals: number	five	five
<input type="checkbox"/> *Anthers: pollen	present	present
<input type="checkbox"/> *Ovary: pubescence	present	present

<input checked="" type="checkbox"/>	*Leaf blade: length	long	medium to long
<input checked="" type="checkbox"/>	*Leaf blade: width	broad	medium to broad
<input checked="" type="checkbox"/>	*Leaf blade: ratio	large	medium to large
<input type="checkbox"/>	*Petiole: nectaries	present	present
<input type="checkbox"/>	*Petiole: shape of nectaries	reniform	reniform
<input type="checkbox"/>	*Fruit: size	medium to large	large
<input checked="" type="checkbox"/>	*Fruit: shape	oblate	round
<input type="checkbox"/>	*Fruit: ground colour	yellow	orange yellow
<input type="checkbox"/>	Fruit: over colour	present	present
<input type="checkbox"/>	Fruit: hue of over colour	medium red	dark red
<input type="checkbox"/>	*Fruit: pattern of over colour	solid flush	solid flush
<input type="checkbox"/>	*Fruit: extent of over colour	large	large
<input type="checkbox"/>	*Fruit: pubescence	present	present
<input checked="" type="checkbox"/>	*Fruit: density of pubescence	sparse	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	orange yellow	yellow
<input type="checkbox"/>	*Fruit: anthocyanin colouration directly under skin	weakly expressed	absent or very weakly expressed
<input type="checkbox"/>	*Fruit: anthocyanin colouration of flesh	weakly expressed	weakly expressed
<input type="checkbox"/>	*Fruit: anthocyanin colouration around stone	strongly expressed	strongly expressed
<input type="checkbox"/>	Fruit: texture of the flesh	fibrous	fibrous
<input checked="" type="checkbox"/>	*Stone: size compared to fruit	medium	large
<input type="checkbox"/>	*Stone: shape	elliptic	
<input checked="" type="checkbox"/>	*Stone: adherence to flesh	absent	present
<input type="checkbox"/>	*Time of: beginning of flowering	medium	early to medium
<input type="checkbox"/>	*Time of: maturity	late to very late	late

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context

<input checked="" type="checkbox"/>	Fruit: sub acid flavour	absent	present
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Prior Applications and Sales

Country	Year	Current Status	Name Applied
Chile	2004	Granted	'Burpeachfour'
EU	2004	Applied	'Burpeachfour'
USA	1999	Granted	'Burpeachfour'
South Africa	2004	Applied	'Burpeachfour'

First sold in the USA in Dec 1998.

Description: **Lisa Corcoran**, Fleming's Nurseries, Monbulk, VIC.

Details of Application

Application Number	2001/100
Variety Name	'Robert Livermore'
Genus Species	<i>Juglans regia</i>
Common Name	Persian Walnut
Synonym	Nil
Accepted Date	2 May 2001
Applicant	The Regents of the University of California, Davis, California, USA
Agent	Phillips Ormonde & Fitzpatrick, Melbourne, VIC
Qualified Person	Leslie Mitchell

Details of Comparative Trial

Overseas Testing Authority	U.S Patent Office and Trademark Office
Overseas Data Reference Number	PP 12,264
Location	Davis, California.
Descriptor	Walnut (<i>Juglans regia</i>) TG/125/6.
Period	1996-1998.
Conditions	Observations were taken from walnut trees growing at the University of California, Davis, California.
Trial Design	As per requirements for US plant patents the variety has been observed and described and subjectively compared to the most similar varieties of most common knowledge.
Measurements	From all trial plants. US Plant Patent data was translated into UPOV guideline characteristics as per TG/125/6.
RHS Chart - edition	Nil

Origin and Breeding

Controlled pollination: originated from controlled cross of the variety 'Howard' (US PP4,405) and the 'Purpurea' (not patented). Seeds from the cross were collected, planted, and observed. The 'Purpurea' parent used in the cross also identified as 'RX1088' and was obtained from the Walnut collection of E. Germain (Institut National de la Recherche Agronomique, Station de Recherches d'Arboriculture Fruitiere, Bordeaux, France). The Kernels of the 'Howard' parent bear a typical seed coat that is amber or light amber. The kernels of the 'Purpurea' parent possess a reddish-brown seed coat. A single plant of the new variety with a highly distinctive combination of characteristics, initially designated '91-75-15', was selected and propagated by grafting at Davis, California, on 'Paradox' rootstock. The distinctive characteristics of the new variety have been found to be stable and are transmitted from one generation to another following such asexual propagation. The new variety has been named 'Robert Livermore'. Rober Livermore was a supporter of the Walnut Improvement Program at the University of California for many years and is honoured through the naming of this variety. Breeder: Gale McGranahan, Charles Leslie, Herbert A. Phillips, Davis, 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
Tree	vigour	medium
Tree	growth habit	upright
Tree	density of branches	medium
Tree	predominant location of fruit buds	all along the one year old shoot
Nut	size	large

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Chandler'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Howard'	Kernel pellicle	reddish purple	amber to light amber	seed parent
'Purpurea'	Kernel pellicle	reddish purple	reddish brown	pollen parent
'Payne'	Plant time of: leaf bud burst	medium	early	20 days earlier than 'Robert Livermore'

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	'Robert Livermore'	'Chandler'
<input type="checkbox"/> Tree: vigour	medium	medium
<input type="checkbox"/> Tree: growth habit	semi-upright	semi-upright
<input type="checkbox"/> Tree: density of branches	medium	medium
<input type="checkbox"/> *Tree: predominant location of fruit buds	all along the one-year-old shoot	all along the one-year-old shoot
<input type="checkbox"/> One-year-old shoot: colour	green brown	green brown
<input type="checkbox"/> Leaf: shape of lateral leaflet	narrow elliptic	narrow elliptic
<input type="checkbox"/> *Nut: size	large	large
<input type="checkbox"/> *Nut: thickness of shell	thick	
<input type="checkbox"/> Nut: adherence of two halves of shell	strong	
<input type="checkbox"/> *Kernel: ease of removal	easy	
<input type="checkbox"/> Kernel: intensity of ground colour	light	light
<input type="checkbox"/> *Kernel: percentage of weight relative to total weight of nut	high	
<input type="checkbox"/> *Time of: maturity	early	early to medium
<input checked="" type="checkbox"/> *Time of: leaf bud burst	medium	late

- *Time of: male flowering early to medium
- *Time of: female flowering early to medium

Characteristics Additional to the Descriptor/TG**Organ/Plant Part: Context****'Robert Livermore' 'Chandler'**

- Kernel: pellicle reddish purple amber

Prior Applications and Sales

Country	Year	Current Status	Name Applied
EU	2000	Granted	'Robert Livermore'
USA	1999	Granted	'Robert Livermore'
South Africa	2001	Applied	'Robert Livermore'

Prior sale nil.

Description: **Leslie Mitchell**, Agrisearch Services Pty Ltd, Sherparton VIC.

Details of Application

Application Number	2002/129
Variety Name	'Ever Bright'
Genus Species	<i>Photinia glabra</i>
Common Name	Photinia
Synonym	Nil
Accepted Date	26 Jun 2002
Applicant	RJ Cherry, Kulnura, NSW
Agent	N/A
Qualified Person	John Robb

Details of Comparative Trial

Location	Kulnura, NSW, Australia.
Descriptor	General Descriptor (for plant varieties with no descriptor available) PBR GEN DES.
Period	2008.
Conditions	Trial conducted at Paradise Plants, Kulnura between 2007-2008 in a commercial nursery setting. Plants raised in 200mm pots in commercial grade, soil-less potting mix in full sun. Plants were grown on their own roots from cuttings and all plants were subjected to the same chemical treatments for crop protection as required.
Trial Design	Randomised complete block.
Measurements	Measurements taken from 12 plants of each variety selected at random from several thousand plants arranged in complete blocks.
RHS Chart - edition	1966.

Origin and Breeding

Open-pollination followed by selection: The new Photinia is a product of a planned selection program conducted in Kulnura, NSW, Australia. The objective of the breeding program was to develop new Photinia cultivars with good vigour, disease resistance, attractive habit and attractive foliage. The new cultivar originated from open pollination with Photinia 'Red Robin' as the female parent with an unknown male parent in 1996. Several thousand seedlings were germinated in 1997 and raised during 1997-1998. The cultivar 'Ever Bright' was discovered and selected in 1998 as a single plant within the progeny. The first asexual reproduction of the new Photinia was in 1998 by terminal cuttings taken at Kulnura, Australia. The unique features of this new Photinia are stable and reproduced true to type throughout more than five successive generations of asexual reproduction. Breeder: RJ Cherry, Kulnura, 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	vigour	medium
Plant	type	shrub
Plant	width	medium
Plant	growth habit	bushy
Stem	presence of anthocyanin in new growth	present
Leaf	incision of margin	present

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Red Devil'	PBR applied for
'Red Robin'	Industry Standard 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	'Ever Bright'	'Red Devil'	'Red Robin'
<input type="checkbox"/> Plant: type	shrub	shrub	shrub
<input type="checkbox"/> Plant: growth habit	bushy	bushy	bushy
<input checked="" type="checkbox"/> Plant: size	small to medium	medium	medium to large
<input checked="" type="checkbox"/> Plant: height	short to medium	medium	medium to tall
<input type="checkbox"/> Plant: width	medium	medium	medium
<input type="checkbox"/> Stem: presence of anthocyanin in new growth	present	present	present
<input type="checkbox"/> Young shoot: anthocyanin colouration	strong	strong	medium to strong
<input type="checkbox"/> Leaf: leaf type	simple	simple	simple
<input checked="" type="checkbox"/> Leaf: size	small	small to medium	medium
<input type="checkbox"/> Leaf: attitude	erect	semi-erect	erect
<input type="checkbox"/> Leaf: arrangement	alternate	alternate	alternate
<input type="checkbox"/> Leaf: length of blade	short	short to medium	short to medium
<input type="checkbox"/> Leaf: width of blade	narrow to medium	narrow to medium	medium
<input type="checkbox"/> Leaf: length of petiole	short	short	medium
<input type="checkbox"/> Leaf: shape	elliptic	oblong	oblanceolate
<input type="checkbox"/> Leaf: shape of apex	acute	acute	apiculate
<input type="checkbox"/> Leaf: shape of base	attenuate	attenuate	attenuate
<input type="checkbox"/> Leaf: incision of margin	present	present	present
<input type="checkbox"/> Leaf: depth of incision	shallow	shallow	very shallow

<input type="checkbox"/>	Leaf: type of incision	toothed	toothed	toothed
<input checked="" type="checkbox"/>	Leaf: undulation of the margin	very weak	weak	very weak to weak
<input type="checkbox"/>	Leaf: shape of cross-section	concave	concave	flat
<input type="checkbox"/>	Leaf: curvature of longitudinal axis	straight	recurved	straight
<input type="checkbox"/>	Leaf: glossiness of upper side	medium	weak	weak
<input type="checkbox"/>	Leaf: green colour	dark	medium	medium
<input type="checkbox"/>	Leaf: presence of variegation	absent	absent	absent
<input type="checkbox"/>	Leaf: primary colour (RHS colour chart)	green RHS 139A	yellow green RHS 147A	yellow green RHS 147A
<input type="checkbox"/>	Flower: type	single	single	single
<input type="checkbox"/>	Flower: diameter	small	small	small
<input type="checkbox"/>	Petal: predominant colour of upper side (RHS colour chart)	white RHS 155B	white RHS 155B	white RHS 155A
<input type="checkbox"/>	Petal: reflexing of margin	weak	absent or very weak	weak
<input type="checkbox"/>	Petal: incision	absent or very weak	absent or very weak	weak

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	‘Ever Bright’	‘Red Devil’	‘Red Robin’
<input type="checkbox"/> Stem: attitude of laterals	perpendicular to semi erect	erect	erect
<input type="checkbox"/> Young shoot: colour (RHS colour chart)	greyed purple RHS 183A	greyed purple RHS 185A	greyed purple RHS 183C
<input checked="" type="checkbox"/> Plant: branching	strong	strong	medium
<input type="checkbox"/> Plant: vigour	medium	medium	medium

Prior Applications and Sales

Nil.

Description: **John Robb**, Paradise Plants, Kulnura, NSW.

Details of Application

Application Number	2002/128
Variety Name	'Red Devil'
Genus Species	<i>Photinia glabra</i>
Common Name	Photinia
Synonym	Nil
Accepted Date	26 Jun 2002
Applicant	RJ Cherry, Kulnura, NSW
Agent	N/A
Qualified Person	John Robb

Details of Comparative Trial

Location	Kulnura, NSW, Australia
Descriptor	General Descriptor (for plant varieties with no descriptor available) PBR GEN-DES.
Period	2008
Conditions	Trial conducted at Paradise Plants, Kulnura between 2007-2008 in a commercial nursery setting. Plants raised in 200mm pots in commercial grade, soil-less potting mix in full sun. Plants were grown on their own roots from cuttings and all plants were subjected to the same chemical treatments for crop protection as required.
Trial Design	Randomised complete block.
Measurements	Measurements taken from 12 plants of each variety selected at random from several thousand plants arranged in complete blocks.
RHS Chart - edition	1966

Origin and Breeding

Open-pollination followed by selection: The new Photinia is a product of a planned selection program conducted in Kulnura, NSW. The objective of the breeding program was to develop new Photinia cultivars with good vigour, disease resistance, attractive habit and attractive foliage. The new cultivar originated from open pollination with Photinia 'Red Robin' as the female parent with an unknown male parent in 1996. Several thousand seedlings were germinated in 1997 and raised during 1997-1998. The cultivar 'Red Devil' was discovered and selected in 1998 as a single plant within the progeny. The first asexual reproduction of the new Photinia was in 1998 by terminal cuttings taken at Kulnura, Australia. The unique features of this new Photinia are stable and reproduced true to type throughout more than five successive generations of asexual reproduction. Breeder: RJ Cherry, Kulnura, 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	vigour	medium
Plant	type	shrub
Plant	width	medium
Plant	growth habit	bushy
Stem	presence of anthocyanin in new growth	present
Leaf	incision of margin	present

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Red Robin'	Industry Standard variety
'Ever Bright'	PBR applied for

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety
'Superhedge'	Leaf attitude	semi-erect	drooping

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	'Red Devil'	'Ever Bright'	'Red Robin'
<input type="checkbox"/> Plant: type	shrub	shrub	shrub
<input type="checkbox"/> Plant: growth habit	bushy	bushy	bushy
<input checked="" type="checkbox"/> Plant: size	medium	small to medium	medium to large
<input checked="" type="checkbox"/> Plant: height	medium	short to medium	medium to tall
<input type="checkbox"/> Plant: width	medium	medium	medium
<input type="checkbox"/> Stem: presence of anthocyanin in new growth	present	present	present
<input type="checkbox"/> Young shoot: anthocyanin colouration	strong	strong	medium to strong
<input type="checkbox"/> Leaf: leaf type	simple	simple	simple
<input checked="" type="checkbox"/> Leaf: size	small to medium	small	medium
<input type="checkbox"/> Leaf: attitude	semi-erect	erect	erect
<input type="checkbox"/> Leaf: arrangement	alternate	alternate	alternate
<input type="checkbox"/> Leaf: length of blade	short to medium	short	short to medium
<input type="checkbox"/> Leaf: width of blade	narrow to medium	narrow to medium	medium
<input type="checkbox"/> Leaf: length of petiole	short	short	medium

<input checked="" type="checkbox"/>	Leaf: shape	oblong	elliptic	oblanceolate
<input checked="" type="checkbox"/>	Leaf: shape of apex	acute	acute	apiculate
<input type="checkbox"/>	Leaf: shape of base	attenuate	attenuate	attenuate
<input type="checkbox"/>	Leaf: incision of margin	present	present	present
<input type="checkbox"/>	Leaf: depth of incision	shallow	shallow	very shallow
<input type="checkbox"/>	Leaf: type of incision	toothed	toothed	toothed
<input checked="" type="checkbox"/>	Leaf: undulation of the margin	weak	very weak	very weak to weak
<input type="checkbox"/>	Leaf: shape of cross-section	concave	concave	flat
<input type="checkbox"/>	Leaf: curvature of longitudinal axis	recurved	straight	straight
<input type="checkbox"/>	Leaf: glossiness of upper side	weak	medium	weak
<input type="checkbox"/>	Leaf: green colour	medium	dark	medium
<input type="checkbox"/>	Leaf: presence of variegation	absent	absent	absent
<input checked="" type="checkbox"/>	Leaf: primary colour (RHS colour chart)	yellow green RHS 147A	green RHS 139A	yellow green RHS 147A
<input type="checkbox"/>	Flower: type	single	single	single
<input type="checkbox"/>	Flower: diameter	small	small	small
<input type="checkbox"/>	Petal: predominant colour of upper side (RHS colour chart)	white RHS 155B	white RHS155B	white RHS 155A
<input type="checkbox"/>	Petal: reflexing of margin	absent or very weak	weak	weak
<input type="checkbox"/>	Petal: incision	absent or very weak	absent or very weak	weak

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	‘Red Devil’	‘Ever Bright’	‘Red Robin’
<input checked="" type="checkbox"/> Stem: attitude of laterals	erect	perpendicular-semi erect	erect
<input type="checkbox"/> Young shoot: colour (RHS colour chart)	greyed purple RHS 185A	greyed purple RHS 183A	greyed purple RHS 183C
<input checked="" type="checkbox"/> Plant: branching	strong	strong	medium
<input type="checkbox"/> Plant: vigour	medium	medium	medium

Prior Applications and Sales

Nil.

Description: **John Robb**, Paradise Plants, Kulnura, NSW.

Details of Application

Application Number	2007/018
Variety Name	'PARSUB'
Genus Species	<i>Photinia glabra</i>
Common Name	Photinia
Synonym	SUPER BRONZE
Accepted Date	16 Mar 2007
Applicant	The Paradise Seed Company Pty Ltd, Kulnura, NSW
Agent	R J Cherry Holdings Pty Ltd, Kulnura, NSW
Qualified Person	John Robb

Details of Comparative Trial

Location	Kulnura, NSW, Australia.
Descriptor	General Descriptor (for plant varieties with no descriptor available) PBR GEN DES.
Period	2007-2008.
Conditions	Trial conducted at Paradise Plants, Kulnura between 2007-2008 in a commercial nursery setting. Plants raised in 200mm pots in commercial grade, soil-less potting mix in full sun. Plants were grown on their own roots from cuttings and all plants were subjected to the same chemical treatments for crop protection as required.
Trial Design	Randomised complete block.
Measurements	Measurements taken from 12 plants of each variety selected at random from several thousand plants arranged in complete blocks.
RHS Chart - edition	1966.

Origin and Breeding

Open-pollination followed by selection: This new Photinia is the product of a planned breeding program conducted in Kulnura, NSW, Australia. The objective of the breeding program was to develop new Photinia cultivars with strong vigour, attractive habit and foliage. The new cultivar originated from open pollination with Photinia 'Red Robin' as the female parent with an unknown male parent in 2000. Several hundred seedlings were germinated in 2000 and raised during 2000-2001. The cultivar 'Parsub' was discovered and selected in 2001 as a single plant within the progeny. The first asexual reproduction of the new Photinia was in 2001 by terminal cuttings taken at Kulnura, Australia. The unique features of this new Photinia are stable and reproduced true to type throughout five successive generations of asexual reproduction. Breeder: John Robb, Kulnura, 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	vigour	strong
Plant	vigour	medium
Plant	type	shrub
Plant	width	medium
Plant	growth habit	bushy
Stem	presence of anthocyanin in new growth	present
Leaf	incision of margin	present

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
‘Superhedge’	The most vigorous Photinia currently available.
‘Parsub’	Vigorous, bronze-orange new growth.

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety
‘Red Devil’	Plant vigour	strong	medium
‘Ever Bright’	Plant vigour	strong	medium

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	‘Parsub’	‘Superhedge’	‘Parsur’
<input type="checkbox"/> Plant: type	shrub	shrub	shrub
<input type="checkbox"/> Plant: growth habit	erect	erect	erect
<input type="checkbox"/> Plant: size	medium to large	medium to large	medium to large
<input type="checkbox"/> Plant: height	medium to tall	medium to tall	medium to tall
<input type="checkbox"/> Plant: width	medium	medium	medium
<input type="checkbox"/> Stem: presence of anthocyanin in new growth	present	present	present
<input type="checkbox"/> Young shoot: anthocyanin colouration	strong	medium	strong
<input type="checkbox"/> Leaf: leaf type	simple	simple	simple
<input type="checkbox"/> Leaf: size	medium	small to medium	small to medium
<input type="checkbox"/> Leaf: attitude	erect	drooping-semi erect	erect
<input type="checkbox"/> Leaf: arrangement	alternate	alternate	alternate
<input type="checkbox"/> Leaf: length of blade	medium	short to medium	short to medium
<input type="checkbox"/> Leaf: width of blade	medium	medium	medium
<input type="checkbox"/> Leaf: length of petiole	short	medium	short
<input type="checkbox"/> Leaf: shape	oblanceolate	elliptic	elliptic

<input type="checkbox"/>	Leaf: shape of apex	acute	acute	acute
<input type="checkbox"/>	Leaf: shape of base	cuneate	cuneate	cuneate
<input type="checkbox"/>	Leaf: incision of margin	present	present	present
<input type="checkbox"/>	Leaf: depth of incision	shallow	shallow	shallow
<input type="checkbox"/>	Leaf: type of incision	toothed	toothed	toothed
<input type="checkbox"/>	Leaf: undulation of the margin	medium to strong	medium	medium to strong
<input type="checkbox"/>	Leaf: shape of cross-section	concave	concave	concave
<input type="checkbox"/>	Leaf: curvature of longitudinal axis	recurved	recurved	recurved
<input type="checkbox"/>	Leaf: glossiness of upper side	medium	medium	medium
<input type="checkbox"/>	Leaf: green colour	medium	medium	medium
<input type="checkbox"/>	Leaf: presence of variegation	absent	absent	absent
<input type="checkbox"/>	Leaf: primary colour (RHS colour chart)	146A	147A	147A
<input type="checkbox"/>	Flower: type	single	single	single
<input type="checkbox"/>	Flower: diameter	small	small	small

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Parsur'	'Superhedge'	'Parsub'
<input type="checkbox"/> Stem: attitude of laterals	erect	perpendicular – semi erect	erect
<input type="checkbox"/> Plant: branching	medium to strong	strong	medium to strong
<input type="checkbox"/> Plant: vigour	strong	strong	strong
<input checked="" type="checkbox"/> Young shoot: colour (RHS colour chart)	165A	175A	183A

Prior Applications and Sales

Prior application nil. First sold in Australia on 1 Sep 2006.

Description: **John Robb**, Paradise Plants, Kulnura, NSW.

Details of Application

Application Number	2007/017
Variety Name	'PARSUR'
Genus Species	<i>Photinia glabra</i>
Common Name	Photinia
Synonym	SUPER RED
Accepted Date	16 Mar 2007
Applicant	The Paradise Seed Company Pty Ltd, Kulnura, NSW
Agent	R J Cherry Holdings Pty Ltd, Kulnura, NSW
Qualified Person	John Robb

Details of Comparative Trial

Location	Kulnura, NSW, Australia.
Descriptor	General Descriptor (for plant varieties with no descriptor available) PBR GEN DES.
Period	2007-2008.
Conditions	Trial conducted at Paradise Plants, Kulnura between 2007-2008 in a commercial nursery setting. Plants raised in 200mm pots in commercial grade, soil-less potting mix in full sun. Plants were grown on their own roots from cuttings and all plants were subjected to the same chemical treatments for crop protection as required.
Trial Design	Randomised complete block.
Measurements	Measurements taken from 12 plants of each variety selected at random from several thousand plants arranged in complete blocks.
RHS Chart - edition	1966.

Origin and Breeding

Open-pollination followed by selection: This new Photinia is the product of a planned breeding program conducted in Kulnura, NSW, Australia. The objective of the breeding program was to develop new Photinia cultivars with strong vigour, attractive habit and foliage. The new cultivar originated from open pollination with Photinia 'Red Robin' as the female parent with an unknown male parent in 2000. Several hundred seedlings were germinated in 2000 and raised during 2000-2001. The cultivar 'Parsur' was discovered and selected in 2001 as a single plant within the progeny. The first asexual reproduction of the new Photinia was in 2001 by terminal cuttings taken at Kulnura, Australia. The unique features of this new Photinia are stable and reproduced true to type throughout five successive generations of asexual reproduction. Breeder: John Robb, Kulnura, 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	vigour	strong
Plant	vigour	medium
Plant	type	shrub
Plant	width	medium
Plant	growth habit	bushy
Stem	presence of anthocyanin in new growth	present
Leaf	incision of margin	present

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
‘Superhedge’	The most vigorous Photinia currently available.
‘Parsub’	Vigorous, bronze-orange new growth.

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety
‘Red Devil’	Plant vigour	strong	medium
‘Ever Bright’	Plant vigour	strong	medium

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	‘Parsur’	‘Superhedge’	‘Parsub’
<input type="checkbox"/> Plant: type	shrub	shrub	shrub
<input type="checkbox"/> Plant: growth habit	erect	erect	erect
<input type="checkbox"/> Plant: size	medium to large	medium to large	medium to large
<input type="checkbox"/> Plant: height	medium to tall	medium to tall	medium to tall
<input type="checkbox"/> Plant: width	medium	medium	medium
<input type="checkbox"/> Stem: presence of anthocyanin in new growth	present	present	present
<input type="checkbox"/> Young shoot: anthocyanin colouration	strong	medium	strong
<input type="checkbox"/> Leaf: leaf type	simple	simple	simple
<input type="checkbox"/> Leaf: size	small to medium	small to medium	medium
<input type="checkbox"/> Leaf: attitude	erect	drooping-semi erect	erect
<input type="checkbox"/> Leaf: arrangement	alternate	alternate	alternate
<input type="checkbox"/> Leaf: length of blade	short to medium	short to medium	medium
<input type="checkbox"/> Leaf: width of blade	medium	medium	medium
<input type="checkbox"/> Leaf: length of petiole	short	medium	short
<input type="checkbox"/> Leaf: shape	elliptic	elliptic	oblanceolate

<input type="checkbox"/>	Leaf: shape of apex	acute	acute	acute
<input type="checkbox"/>	Leaf: shape of base	cuneate	cuneate	cuneate
<input type="checkbox"/>	Leaf: incision of margin	present	present	present
<input type="checkbox"/>	Leaf: depth of incision	shallow	shallow	shallow
<input type="checkbox"/>	Leaf: type of incision	toothed	toothed	toothed
<input type="checkbox"/>	Leaf: undulation of the margin	medium to strong	medium	medium to strong
<input type="checkbox"/>	Leaf: shape of cross-section	concave	concave	concave
<input type="checkbox"/>	Leaf: curvature of longitudinal axis	recurved	recurved	recurved
<input type="checkbox"/>	Leaf: glossiness of upper side	medium	medium	medium
<input type="checkbox"/>	Leaf: green colour	medium	medium	medium
<input type="checkbox"/>	Leaf: presence of variegation	absent	absent	absent
<input type="checkbox"/>	Leaf: primary colour (RHS colour chart)	147A	147A	146A
<input type="checkbox"/>	Flower: type	single	single	single
<input type="checkbox"/>	Flower: diameter	small	small	small

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Parsur'	'Superhedge'	'Parsub'
<input type="checkbox"/> Stem: attitude of laterals	erect	perpendicular – erect semi erect	erect
<input type="checkbox"/> Plant: branching	medium to strong	strong	medium to strong
<input type="checkbox"/> Plant: vigour	strong	strong	strong
<input checked="" type="checkbox"/> Young shoot: colour (RHS colour chart)	183A	175A	165A

Prior Applications and Sales

Prior application nil. First sold in Australia on 1 Sep 2006.

Description: **John Robb**, Paradise Plants, Kulnura, NSW.

Details of Application

Application Number	2007/196
Variety Name	'GREEN SHEEN'
Genus Species	<i>Pittosporum tenuifolium</i>
Common Name	Pittosporum
Synonym	Nil
Accepted Date	5 Sep 2007
Applicant	Matthew Brooks, Monbulk, VIC
Agent	N/A
Qualified Person	Christopher Prescott

Details of Comparative Trial

Location	Monbulk road, Monbulk, VIC (Latitude 37°52'21.88"S).
Descriptor	Pittosporum (<i>Pittosporum</i>) PBR PITT.
Period	Mar 2007 – Jan 2009.
Conditions	Plants of both 'Green Sheen' and 'Sunburst' were planted in 150mm pots of a pine bark mix with slow release fertiliser and kept in optimum conditions including watering regime, disease control and plant management.
Trial Design	12 plants of both 'Green Sheen' and 'Sunburst' were selected at random from a larger population in varietal blocks.
Measurements	Taken at random.
RHS Chart - edition	2007.

Origin and Breeding

Spontaneous mutation: 'Green Sheen' was first observed as a mutation on a branch on *Pittosporum tenuifolium* 'Sunburst' at 25 Haige Avenue, Monbulk, VIC by Matthew Brooks in Jul 2002. Branch cuttings were taken from the parent and were found to be stable over 4 generations with no off-types observed. Breeder: Matthew Brooks, 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
Plant	type	shrub
Plant	height	medium
Plant	width	medium
Plant	density	sparse
Leaf blade	shape	ovate
Leaf blade	shape of apex	acute

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Sunburst'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety
'Green Pillar'	Leaf blade shape	ovate	linear

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	'GREEN SHEEN'	'Sunburst'
<input type="checkbox"/> Plant: type	shrub	shrub
<input type="checkbox"/> Plant: height	medium	medium
<input type="checkbox"/> Plant: width	medium	medium
<input type="checkbox"/> Plant: density	sparse	sparse
<input type="checkbox"/> Plant: attitude of distal part of branches	semi erect	semi erect
<input type="checkbox"/> New shoot: colour of stem	brownish	brownish
<input checked="" type="checkbox"/> New shoot: main colour of leaves (RHS Colour Chart)	144A	144C
<input type="checkbox"/> New shoot: main colour of midrib on leaves	greenish	greenish
<input type="checkbox"/> Stem: colour (RHS Colour Chart)	(new shoot) 187A	(new shoot) 187A
<input type="checkbox"/> Stem: length of internode	medium to long	medium to long
<input type="checkbox"/> Petiole: length	medium	medium
<input type="checkbox"/> Leaf blade: length	medium	medium
<input type="checkbox"/> Leaf blade: width of broadest part	medium to broad	medium to broad
<input type="checkbox"/> Leaf blade: shape	ovate	ovate
<input type="checkbox"/> Leaf blade: shape of apex	acute	acute
<input type="checkbox"/> Leaf blade: shape of base	rounded	rounded
<input type="checkbox"/> Leaf blade: undulation of margin	strong	strong
<input type="checkbox"/> Leaf blade: shape of margin	entire	entire
<input type="checkbox"/> Leaf blade: shape in cross section	concave	concave
<input type="checkbox"/> Leaf blade: curvature of longitudinal axis	weak	weak
<input type="checkbox"/> Leaf blade: twisting around longitudinal axis	weak	weak
<input checked="" type="checkbox"/> Leaf blade: number of colours on upper side	one	two
<input checked="" type="checkbox"/> Leaf blade: main colour on upper side (RHS Colour Chart)	darker than 144A	N144A
<input checked="" type="checkbox"/> Leaf blade: main colour of lower side (RHS Colour Chart)	145B	N144A
<input type="checkbox"/> Leaf blade: glossiness	medium	medium
<input type="checkbox"/> Leaf blade: anthocyanin colouration	absent of very weak	absent of very weak
<input type="checkbox"/> Leaf blade: hairiness on lower side	absent or very weak	absent or very weak

Prior Applications and Sales

Nil.

Description: **Christopher Prescott**, Clyde, VIC.

Details of Application

Application Number	2008/339
Variety Name	'Sevillana'
Genus Species	<i>Rubus idaeus</i>
Common Name	Raspberry
Synonym	Nil
Accepted Date	15 Dec 2008
Applicant	Driscoll Strawberry Associates, Inc., Watsonville, CA, USA
Agent	Phillips Ormonde & Fitzpatrick, Melbourne, VIC
Qualified Person	Margaret Zorin

Details of Comparative Trial

Overseas Testing Authority	US Patent & Trademark Office (USPTO)
Overseas Data Reference Number	PP18659 (March 2008)
Location	Oxnard and Watsonville, California USA and verified at Woori Yallock, VIC, Australia.
Descriptor Period	Raspberry (<i>Rubus idaeus</i>) TG/43/7. 1999-2006.
Conditions	Traditional cultural practices employ rooted cuttings planted into raised ridges of soil in winter. The plants are trellised and primocane harvest commences approximately 7 months later in summer and autumn. Plants are then pruned and the florican harvest commences in the following spring. Test plots of 'Sevillana' and 'Cardinal' were planted for verification in late winter 2007 at Woori Yallock and verified in late 2008.
Trial Design	After asexual propagation by in vitro, shoot tip culture was used to produce root cuttings of 'Sevillana' and the universal standard variety 'Heritage' which were then planted for comparison in side by side plots under standard commercial Raspberry production conditions at Watsonville, California USA between 2001 and 2002.
Measurements	Measurements were taken of plant, flower and fruit characteristics approximately 7 months after planting for primocane production and approximately 17 months after planting for florican production. All measurements were made in accordance with UPOV technical guidelines and colours are described and most similar colour designations are provided from Royal Horticultural Society (RHS) Colour Charts.
RHS Chart - edition	2001.

Origin and Breeding

The new variety 'Sevillana' was developed from a single seedling selected from the cross pollination of 'Isabel' (US PP 9340) as maternal parent and 'Cardinal' (US PP 14903) as the pollen parent. The parents were crossed in 1998, whereafter fruit and seed were collected to produce seedlings for field planting in Oxnard, California USA in 1999. The new variety 'Sevillana' was selected from these seedlings in 1999 for its large firm fruit. The new variety 'Sevillana' has since been asexually propagated by in vitro shoot tip culture, root sucker division and root cuttings over several generations and has been shown to maintain the desired and distinguishing characteristics. Breeders: Carlos Fear and Rick Harrison both employees of Driscoll Strawberry Associates, Inc., Watsonville, 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
Plant	growth habit	upright
Leaves	colour of upper surface	dark green
Fruit	colour	medium red
Fruit	shape	circular
Fruit	main bearing type	both previous year's cane in summer & current year's cane in autumn
Spines	presence	absent

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Heritage'	'Heritage' is an unpatented variety grown throughout the world and used as a standard comparator.
'Cardinal'	US PP 14903 is the pollen parent of 'Sevillana'.

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Royalty'	Fruit colour	medium red	dark purple	
'Glen Moy'	Spine presence	absent	present	
'Ontario'	Fruit shape	circular	broad conical	
'Gelbe Antweper'	Young shoot anthocyanin colouration of apex	present	absent	
'Rubaca'	Plant number of current season's cane	many	few	
'Mailing Leo'	Dormant cane colour	purplish brown	brownish grey	
'Mailing Promise'	Fruit main bearing type	both previous year's cone in summer & current year's cone in autumn	only in previous years cane in summer	
'Baronne de Wavre'	Plant Time of: beginning of fruit ripening on current year's cane	early to medium	very late	
Isabel	Plant vigour	strong	medium	

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	'Sevillana'	'Cardinal'	'Heritage'
<input type="checkbox"/> Plant: habit	upright	upright	upright
<input checked="" type="checkbox"/> *Plant: number of current season's canes	many	many	medium
<input type="checkbox"/> *Very young shoot: anthocyanin colouration of apex during rapid growth	present	present	present
<input checked="" type="checkbox"/> *Very young shoot: intensity of anthocyanin colouration of apex during rapid growth	medium	very weak	medium
<input checked="" type="checkbox"/> Current season's cane: bloom	weak	absent or very weak	weak
<input checked="" type="checkbox"/> Current season's cane: length of internode	medium		long
<input checked="" type="checkbox"/> *Dormant cane: colour (varieties which fruit on previous season's cane in summer)	purplish brown	purplish brown	brownish purple
<input type="checkbox"/> *Spines: presence	absent	absent	absent
<input type="checkbox"/> *Leaf: green colour of upper side	dark	dark	dark
<input checked="" type="checkbox"/> *Leaf: rugosity	medium	very weak	medium
<input checked="" type="checkbox"/> Leaf: relative position of lateral leaflets	free	touching	free
<input checked="" type="checkbox"/> Terminal leaflet: length	short	medium	long
<input checked="" type="checkbox"/> Terminal leaflet: width	medium to broad	narrow	narrow to medium
<input type="checkbox"/> Flower: size	medium	small to medium	small to medium
<input checked="" type="checkbox"/> *Fruit: length	long	medium to long	short to medium
<input checked="" type="checkbox"/> *Fruit: width	broad	medium to broad	narrow to medium
<input type="checkbox"/> *Fruit: general shape in lateral view	circular	circular	circular
<input checked="" type="checkbox"/> Fruit: size of single drupe	large to very large	large	small
<input type="checkbox"/> *Fruit: colour	medium red	medium red	medium red
<input checked="" type="checkbox"/> Fruit: glossiness	medium	weak	medium
<input type="checkbox"/> *Fruit: firmness	medium to firm	firm	firm
<input type="checkbox"/> Fruit: adherence to plug	medium	medium	medium
<input type="checkbox"/> *Fruit: main bearing type	both previous year's cone in summer & current year's cone in autumn	both previous year's cone in summer & current year's cone in autumn	both previous year's cone in summer & current year's cone in autumn
<input checked="" type="checkbox"/> *Plant: time of vegetative bud burst (varieties which fruit on previous year's cane in summer)	early to medium	early to medium	medium to late
<input checked="" type="checkbox"/> *Time of: cane emergence (varieties	early	very early to early	medium to late

which fruit on current year's cane in autumn)

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

Prior Applications and Sales

Country	Year	Current Status	Name Applied
USA	2006	Granted	'Driscoll Sevillana'
EU	2008	Applied	'Driscoll Sevillana'
Mexico	2006	Applied	'Driscoll Sevillana'
Morocco	2006	Granted	'Driscoll Sevillana'
South Africa	2008	Applied	'Driscoll Sevillana'

First sold in Mexico in Dec 2005.

Description: **Margaret Zorin** 167 Collingwood Road Birkdale Q4159

Details of Application

Application Number	2008/338
Variety Name	'Pacifica'
Genus Species	<i>Rubus idaeus</i>
Common Name	Raspberry
Synonym	Nil
Accepted Date	15 Dec 2008
Applicant	Driscoll Strawberry Associates, Inc., Watsonville, CA, USA
Agent	Phillips Ormonde & Fitzpatrick, Melbourne, VIC
Qualified Person	Margaret Zorin

Details of Comparative Trial

Overseas Testing	US Patent & Trademark Office (USPTO)
Authority	
Overseas Data	PP 18658 (March 2008)
Reference Number	
Location	Watsonville, California USA and verified Woori Yallock VIC, Australia.
Descriptor	Raspberry (<i>Rubus idaeus</i> L.) TG/43/7.
Period	1999-2005.
Conditions	Traditional commercial raspberry production criteria were used including rooted cuttings planted in raised ridges of soil in winter. The plants are trellised and primocane harvest commences approximately 7 months later in summer and autumn. Plants are then pruned and new canes trellised and produce the florican crop approximately 17 months after planting. The verification plots were planted in late winter 2007 at Woori Yallock and examined in 2008.
Trial Design	Asexual propagation of plants by in vitro culture shoot tip culture, root sucker division and root cuttings at the Cassin Ranch in Santa Cruz County, California USA for both 'Pacifica' and 'Heritage' were made prior to field planting. Plants of both varieties were grown in side by side beds at Watsonville, California USA in 2003 to 2005 under commercial raspberry field production conditions.
Measurements	Measurements of plant, flower and fruit characteristics were taken using UPOV technical guidelines and colours are described and most similar colour designations are provided from Royal Horticultural Society (RHS) Colour Charts.
RHS Chart - edition	2001.

Origin and Breeding

The new variety 'Pacifica' was developed from the hybridization of the selection 'N234.1' (an unpatented line) as the seed parent and the selection 'Q471.6' (an unpatented line) as the pollen parent in 1996. The seed from this crossing was then planted in Carpinteria, California USA in 1997 and the final seedling was selected for its large, firm and good flavoured fruit. The new variety 'Pacifica' has been asexually propagated over several generations and has been shown to maintain the desired distinguishing characteristics throughout. Breeders: Carlos Fear and Rick Harrison of Aptos, California USA and both are employees of Driscoll Strawberry Associates Inc. Watsonville, 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
Plant	habit	upright
Plant	very young shoot anthocyanin	present
Plant	very young shoot anthocyanin intensity	medium
Leaves	colour of upper surface	dark green
Fruit	colour	medium red
Fruit	shape	circular
Fruit	main bearing type	both previous year's cane in summer and current year's cane in autumn

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Heritage'	'Heritage' is an unpatented variety grown throughout the world as a standard.

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Royalty'	Fruit colour	medium red	dark purple	
'Glen Moy'	Spine presence	absent	present	
'Ontario'	Fruit shape	circular	broad conical	
'Gelbe Antweper'	Young shoot anthocyanin colouration of apex	present	absent	
'Rubaca'	Plant number of current season's cane	many	few	
'Vene'	Plant Time of: beginning of fruit ripening on previous year's cane	early	very early	
'Mailing Promise'	Fruit main bearing type	both previous year's cone in summer & current year's cone in autumn	only in previous years cane in summer	
'Watson'	Plant Time of: beginning of fruit ripening on current year's cane	early	medium	

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	‘Pacifica’	‘Heritage’
<input type="checkbox"/> Plant: habit	upright	upright
<input checked="" type="checkbox"/> *Plant: number of current season’s canes	many	medium
<input type="checkbox"/> *Very young shoot: anthocyanin colouration of apex during rapid growth	present	present
<input type="checkbox"/> *Very young shoot: intensity of anthocyanin colouration of apex during rapid growth	medium	medium
<input checked="" type="checkbox"/> Current season’s cane: bloom	absent or very weak	weak
<input checked="" type="checkbox"/> *Dormant cane: colour (varieties which fruit on previous season’s cane in summer)	purplish brown	brownish purple
<input type="checkbox"/> *Spines: presence	absent	absent
<input type="checkbox"/> *Leaf: green colour of upper side	dark	dark
<input checked="" type="checkbox"/> *Leaf: predominant number of leaflets	three	equally three and five
<input type="checkbox"/> *Leaf: rugosity	medium	medium
<input checked="" type="checkbox"/> Leaf: relative position of lateral leaflets	overlapping	free
<input checked="" type="checkbox"/> Terminal leaflet: length	medium	long
<input checked="" type="checkbox"/> Terminal leaflet: width	medium to broad	narrow to medium
<input type="checkbox"/> Flower: size	small	small to medium
<input checked="" type="checkbox"/> *Fruit: length	long to very long	short to medium
<input checked="" type="checkbox"/> *Fruit: width	broad	narrow to medium
<input type="checkbox"/> *Fruit: general shape in lateral view	circular	circular
<input checked="" type="checkbox"/> Fruit: size of single drupe	large to very large	small
<input type="checkbox"/> *Fruit: colour	medium red	medium red
<input type="checkbox"/> Fruit: glossiness	weak	weak to medium
<input type="checkbox"/> *Fruit: firmness	medium to firm	firm
<input type="checkbox"/> Fruit: adherence to plug	medium	weak to medium
<input type="checkbox"/> *Fruit: main bearing type	both previous year’s cone in summer & current year’s cone in autumn	both previous year’s cone in summer & current year’s cone in autumn
<input checked="" type="checkbox"/> *Plant: time of vegetative bud burst (varieties which fruit on previous year’s cane in summer)	early	medium to late
<input checked="" type="checkbox"/> *Time of: cane emergence (varieties which fruit on current year’s cane in autumn)	early	medium to late
<input checked="" type="checkbox"/> *Time of: beginning of flowering on previous	early	medium

year's cane (varieties which fruit on previous year's cane in summer)

*Time of: beginning of flowering on current season's cane (varieties which fruit on current year's cane in autumn) early early to medium

*Time of: beginning of fruit ripening on previous year's cane (varieties which fruit of previous year's cane in summer) early early to medium

*Time of: beginning of fruit ripening on current year's cane (varieties which fruit on current year's cane in autumn) early early to medium

Length of: fruiting period on previous year's cane (varieties which fruit on previous year's cane in summer) medium short to medium

Length of: fruiting period on current year's cane (varieties which fruit on current year's cane in autumn) medium long to very long

Prior Applications and Sales

Country	Year	Current Status	Name Applied
USA	2006	Granted	'Driscoll Pacifica'
EU	2008	Applied	'Driscoll Pacifica'

First sold in Mexico in Dec 2005.

Description: **Margaret Zorin** 167 Collingwood Road Birkdale Q 4159.

Details of Application

Application Number	2008/320
Variety Name	'DrisRaspOne'
Genus Species	<i>Rubus idaeus</i>
Common Name	Raspberry
Synonym	Nil
Accepted Date	3 Dec 2008
Applicant	Driscoll Strawberry Associates, Inc., Watsonville, CA, USA
Agent	Phillips Ormonde & Fitzpatrick, Melbourne, VIC
Qualified Person	Margaret Zorin

Details of Comparative Trial

Overseas Testing Authority	United States Patent & Trademark Office (USPTO)
Overseas Data Reference Number	PP19656 (January 2009)
Location	Santa Cruz, California USA and verified Woori Yallock Victoria Australia.
Descriptor Period	Raspberry (<i>Rubus idaeus</i>) TG/43/7. 2003-2007.
Conditions	Traditional commercial raspberry production criteria were used including rooted cuttings planted in raised ridges of soil in winter. The plants were trellised and primocane harvest commences approximately 7 months later. After pruning new canes are trellised and floricanse harvest commences approximately 17 months after planting. The verification plots were planted in late winter at Woori Yallock and examined 2008-2009.
Trial Design	Asexual propagation of plants of 'DrisRaspOne', 'Heritage' and 'Maravilla' were produced by in vitro shoot tip culture followed by root sucker division and rooted cuttings produced at Cassin Ranch in Santa Cruz County California USA. Plants of the 3 varieties were then planted in the field in side by side beds under standard commercial raspberry production criteria.
Measurements	Measurements of plant, flower and fruit characteristics were taken using UPOV technical guidelines and colours are described and most similar colour designations are provided from Royal Horticultural Society (RHS) Colour Charts.
RHS Chart - edition	2001.

Origin and Breeding

The new variety 'DrisRaspOne' originated from controlled pollination of female parent 'T186.1' (an unpatented variety) and the male parent 'Maravilla' (US PP 14804) and was discovered as a seedling in Sep 2002 in Santa Cruz, California USA. The seedling was asexually propagated and tested in Santa Cruz, California USA from 2003 to 2007. The new variety 'DrisRaspOne' has been asexually propagated over several generations and has been shown to maintain the desired traits and characteristics. Breeders: Brian K. Hamilton, Miguel H. Ahumada, Peter A. Martini and Richard E. Harrison all employees of Driscoll Strawberry Associated Inc. Watsonville, 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
Plant	number of current season canes	medium
Plant	current season's cane bloom	weak
Leaf	green colour of upper side	dark
Fruit	colour	medium red
Fruit	main bearing type	both previous year's cane in summer and current year's cane colour in autumn
Fruiting period	length of fruit period on current year's cane	long

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Heritage'	Unpatented variety grown throughout the World and used as a standard reference.
'Maravilla'	US PP 14804 used as the pollen parent.

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Driscoll Cardinal'	Plant height	tall	small to medium	
'Driscoll Madonna'	Plant habit	upright	semi-upright	

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	'DrisRaspOne'	'Heritage'	'Maravilla'
<input checked="" type="checkbox"/> Plant: habit	upright	upright	semi-upright
<input type="checkbox"/> *Plant: number of current season's canes	medium	medium	medium
<input checked="" type="checkbox"/> *Very young shoot: anthocyanin colouration of apex during rapid growth	absent	present	present
<input type="checkbox"/> Current season's cane: bloom	weak	weak	weak
<input checked="" type="checkbox"/> *Dormant cane: colour (varieties which fruit on previous season's cane in summer)	brown	brownish purple	brownish purple
<input type="checkbox"/> *Leaf: green colour of upper side	dark	dark	dark
<input checked="" type="checkbox"/> *Leaf: predominant number of leaflets	five	equally three and five	five
<input checked="" type="checkbox"/> *Leaf: rugosity	strong to very strong	medium	weak to medium
<input checked="" type="checkbox"/> Leaf: relative position of lateral leaflets	overlapping	free	overlapping
<input checked="" type="checkbox"/> Terminal leaflet: length	short	long	short to medium

<input checked="" type="checkbox"/>	Terminal leaflet: width	narrow	narrow to medium	medium to broad
<input checked="" type="checkbox"/>	Flower: size	medium	small	small
<input checked="" type="checkbox"/>	*Fruit: length	long to very long	short to medium	long
<input checked="" type="checkbox"/>	*Fruit: width	broad to very broad	narrow to medium	broad to very broad
<input checked="" type="checkbox"/>	*Fruit: general shape in lateral view	broad conical	circular	broad conical
<input checked="" type="checkbox"/>	Fruit: size of single drupe	medium	small	large
<input type="checkbox"/>	*Fruit: colour	medium red	medium red	medium red
<input checked="" type="checkbox"/>	Fruit: glossiness	strong	medium	medium
<input checked="" type="checkbox"/>	*Fruit: firmness	medium	medium	firm
<input checked="" type="checkbox"/>	Fruit: adherence to plug	weak	weak to medium	medium
<input type="checkbox"/>	*Fruit: main bearing type	both previous year's cane in summer & current year's cane in autumn	both previous year's cane in summer & current year's cane in autumn	both previous year's cane in summer & current year's cane in autumn
<input checked="" type="checkbox"/>	*Time of: beginning of fruit ripening on previous year's cane (varieties which fruit on previous year's cane in summer)	very late	medium	medium to late
<input checked="" type="checkbox"/>	*Time of: beginning of fruit ripening on current year's cane (varieties which fruit on current year's cane in autumn)	late to very late	medium	medium to late
<input checked="" type="checkbox"/>	Length of: fruiting period on previous year's cane (varieties which fruit on previous year's cane in summer)	medium	medium	long
<input type="checkbox"/>	Length of: fruiting period on current year's cane (varieties which fruit on current year's cane in autumn)	long	long	long

Prior Applications and Sales

Country	Year	Current Status	Name Applied
USA	2008	Granted	'DrisRaspOne'
Canada	2008	Applied	'DrisRaspOne'
EU	2008	Applied	'DrisRaspOne'

First sold in the USA in Dec 2006.

Description: **Margaret Zorin** 167 Collingwood Road Birkdale Q4159 Australia

Details of Application

Application Number	2008/308
Variety Name	'ABU7'
Genus Species	<i>Lomandra fluviatilis</i>
Common Name	River Lomandra
Synonym	Nil
Accepted Date	19 Nov 2008
Applicant	Jon Williams, Dural, NSW
Agent	Ozbreed Pty Ltd, Clarendon, NSW
Qualified Person	Ian Paananen

Details of Comparative Trial

Location	Clarendon, NSW.
Descriptor	Lomandra (<i>Lomandra</i>) PBR LOMA.
Period	Autumn – spring 2008.
Conditions	Trial conducted in open beds, plants propagated from cuttings, planted into 200mm pots filled with soilless potting mix, nutrition maintained with slow release and liquid fertilisers, irrigation by overhead watering, pest and disease treatments not required.
Trial Design	Fifteen pots of each variety arranged in a completely randomised design.
Measurements	From ten plants at random.
RHS Chart - edition	2007.

Origin and Breeding

Seedling selection: seed parent *Lomandra fluviatilis*. The seed parent is characterised by a medium inflorescence count, strong leaf glaucosity and a medium shoot density. Approximately 300 seedlings were grown in 1997 and a single seedling was selected as having the best commercial potential. From 1998 the plant was propagated by division and further tested for DUS and landscape performance. Selection took place in Dural, NSW. Selection criteria: prolific flowering, bluish foliar appearance and dense growth which out-competes weed growth in the landscape. Propagation: vegetative by division is found to be uniform and stable. Breeder: Jon Williams, Dural, 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
Inflorescence	sex expression	male
Plant	growth habit	semi-upright
Leaf	texture	fine

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
<i>Lomandra fluviatilis</i>	Parent from. There are no previous varieties.

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	‘ABU7’	<i>L. fluvialis</i>
<input type="checkbox"/> Plant: growth habit	semi-upright	semi-upright
<input checked="" type="checkbox"/> Plant: height	short	medium
<input checked="" type="checkbox"/> Plant: density	medium to dense	medium
<input type="checkbox"/> Leaf: texture	fine	fine
<input checked="" type="checkbox"/> Leaf: glaucosity	strong	medium
<input type="checkbox"/> Leaf: rigidity	weak to medium	medium
<input checked="" type="checkbox"/> Leaf: length of blade	short	medium
<input checked="" type="checkbox"/> Leaf: width of blade	narrow	medium
<input type="checkbox"/> Leaf: cross section	concave	concave
<input type="checkbox"/> Leaf: expression of middle apex	very weak	very weak
<input type="checkbox"/> Leaf: variegation	absent	absent
<input type="checkbox"/> Leaf: colour (RHS colour chart)	147A	147A
<input type="checkbox"/> Basal sheath: margin shredding	very weak	very weak
<input type="checkbox"/> Basal sheath: colour	medium brown	medium brown
<input type="checkbox"/> Inflorescence: degree of branching	medium	medium
<input checked="" type="checkbox"/> Inflorescence: length of floral axis	short	medium
<input checked="" type="checkbox"/> Inflorescence: length of peduncle	short	medium
<input type="checkbox"/> Inflorescence: length of bract	medium	medium
<input type="checkbox"/> Inflorescence: position in relation foliage	below	below
<input checked="" type="checkbox"/> Inflorescence: colour of peduncle (RHS colour chart)	144A	147AA plus N187A at junction of spike
<input type="checkbox"/> Flower: colour of calyx (RHS colour chart)	light green 144A with light greyed purple 187B	144A with 187A
<input type="checkbox"/> Flower: colour of perianth (RHS colour chart)	10B	10A

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	‘ABU7’	<i>L. fluvialis</i>
<input type="checkbox"/> Inflorescence: sex expression	male	male
<input checked="" type="checkbox"/> Plant: number of inflorescences	high	medium
<input checked="" type="checkbox"/> Plant: time of beginning of flowering	early	medium

Statistical Table

Organ/Plant Part: Context	'ABU7'	<i>L. fluviatilis</i>
<input checked="" type="checkbox"/> Leaf: length (mm)		
Mean	373.40	468.10
Std. Deviation	47.10	71.20
LSD/sig	68.89	P≤0.01
<input checked="" type="checkbox"/> Leaf: width (mm)		
Mean	1.71	2.19
Std. Deviation	0.20	0.30
LSD/sig	0.28	P≤0.01
<input checked="" type="checkbox"/> Inflorescence: length of floral axis (mm)		
Mean	69.70	102.50
Std. Deviation	12.00	30.30
LSD/sig	26.31	P≤0.01
<input checked="" type="checkbox"/> Inflorescence: length of peduncle (mm)		
Mean	199.90	277.70
Std. Deviation	45.00	39.40
LSD/sig	48.27	P≤0.01
<input type="checkbox"/> Inflorescence: length of bract (mm)		
Mean	21.10	16.80
Std. Deviation	5.50	9.10
LSD/sig	8.54	ns
<input checked="" type="checkbox"/> Plant: height of foliage (mm)		
Mean	38.30	45.20
Std. Deviation	3.40	4.30
LSD/sig	4.42	P≤0.01

Prior Applications and Sales

Nil.

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

Details of Application

Application Number	2007/309
Variety Name	'Grandemufrap'
Genus Species	<i>Rosa</i> hybrid
Common Name	Rose
Synonym	Nil
Accepted Date	12 Dec 2007
Applicant	Mr H Schreuders, Skye, VIC
Agent	Grandiflora Nurseries Pty Ltd, Skye, VIC
Qualified Person	Christopher Prescott

Details of Comparative Trial

Location	145 Moores Road, Clyde, VIC (Latitude 38°09' South, elevation 16m).
Descriptor	Rose (new) (<i>Rosa</i>) TG/11/8.
Period	2008
Conditions	Trial conducted in a controlled environment polyhouse with shade, temperature ranged between 15 and 32 degrees Celsius within the 6 weeks prior to examination (1 growth cycle) with plants on their own roots planted into 330mm pots of co-co coir (3 plants per pot), nutrition was maintained as part of a commercial hydroponic system, pest and disease treatments applied as required.
Trial Design	1 bed of 52 pots of 'Lexteews' and 1 bed of 52 'Grandemufrap' on benches.
Measurements	Taken at random.
RHS Chart - edition	2001

Origin and Breeding

'Grandemufrap' was the resultant seedling from the cross of two unnamed seedlings (GF 93Y and GF 04 15) bred by Mr H Schreuders between Aug and Nov 2004. The seedling was first selected from a population of seedlings later that year based on flower colour. Additional selections were made over the next few years to determine the variety's suitability as a commercial cut rose. With each selection a new generation of plants were taken as cuttings from the previous generation, increasing the quantity of plants with each trial. 'Grandemufrap' was bred by Mr H Schreuders in Skye, 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
Plant	growth habit	upright
Plant	plant type	bed
Flower	type	double
Flower	number of petals	medium to many
Flower	colour group	pink
Flower	diameter	large

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Lexteews'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety
'Prebian Candy'	Flower	diameter	large	medium

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	'Grandemufrap'	'Lexteews'
<input type="checkbox"/> *Plant: growth type	bed	bed
<input type="checkbox"/> *Plant: growth habit (excluding varieties with growth type climber)	upright	upright
<input checked="" type="checkbox"/> Plant: height	tall	medium
<input type="checkbox"/> Young shoot: anthocyanin colouration	present	present
<input type="checkbox"/> Young shoot: intensity of anthocyanin colouration	medium to strong	strong
<input type="checkbox"/> Stem: number of prickles	very few to few	few
<input type="checkbox"/> Prickles: predominant colour	reddish	reddish
<input type="checkbox"/> Leaf: size	large	large
<input type="checkbox"/> Leaf: intensity of green colour	light to medium	light to medium
<input type="checkbox"/> Leaf: anthocyanin colouration	present	present
<input type="checkbox"/> *Leaf: glossiness of upper side	weak to medium	weak to medium
<input type="checkbox"/> *Leaflet: undulation of margin	weak	weak
<input type="checkbox"/> *Terminal leaflet: shape of blade	ovate	ovate
<input type="checkbox"/> Terminal leaflet: shape of base of blade	rounded	rounded
<input checked="" type="checkbox"/> Terminal leaflet: shape of apex of blade	rounded	acute
<input type="checkbox"/> Flowering shoot: flowering laterals	present	present
<input checked="" type="checkbox"/> Flowering shoot: number of flowering laterals	few	very few
<input checked="" type="checkbox"/> Flowering shoot: number of flowers per lateral (varieties with flowering laterals only)	few	very few
<input type="checkbox"/> Flower bud: shape in longitudinal section	broad ovate	broad ovate
<input type="checkbox"/> *Flower: type	double	double
<input type="checkbox"/> *Flower: number of petals	many	medium to many
<input type="checkbox"/> *Flower: colour group	pink	pink
<input type="checkbox"/> Flower: colour of the centre	pink	pink
<input type="checkbox"/> Flower: density of petals	dense	medium to dense
<input type="checkbox"/> *Flower: diameter	large	large
<input type="checkbox"/> *Flower: shape	irregularly rounded	irregularly rounded
<input type="checkbox"/> Flower: profile of upper part	flattened convex	flattened convex
<input checked="" type="checkbox"/> *Flower: profile of lower part	flat	flattened convex

<input checked="" type="checkbox"/>	Flower: fragrance	strong	absent or weak
<input checked="" type="checkbox"/>	*Sepal: extensions	strong	medium
<input type="checkbox"/>	Petals: reflexing of petals one-by-one	present	present
<input type="checkbox"/>	*Petal: shape	rounded	rounded
<input type="checkbox"/>	Petal: incisions	very weak to weak	absent or very weak
<input type="checkbox"/>	Petal: reflexing of margin	medium	medium
<input type="checkbox"/>	Petal: undulation	weak	weak
<input type="checkbox"/>	*Petal: size	large	large
<input type="checkbox"/>	*Petal: length	long	long
<input type="checkbox"/>	*Petal: width	broad	broad
<input type="checkbox"/>	*Petal: number of colours on inner side	one	two
<input checked="" type="checkbox"/>	*Petal: intensity of colour	even	lighter towards the base
<input checked="" type="checkbox"/>	*Petal: main colour on the inner side (RHS Colour Chart)	N155B	65D
<input type="checkbox"/>	*Petal: basal spot on the inner side	present	present
<input type="checkbox"/>	*Petal: size of basal spot on inner side	small	small to medium
<input checked="" type="checkbox"/>	*Petal: colour of basal spot on inner side	light yellow	white
<input checked="" type="checkbox"/>	*Petal: main colour on the outer side (RHS Colour Chart)	62D	65C
<input type="checkbox"/>	Outer stamen: predominant colour of filament	light yellow	light yellow
<input type="checkbox"/>	Seed vessel: size	very small to small	small
<input type="checkbox"/>	Hip: shape in longitudinal section	funnel-shaped	funnel-shaped

Prior Applications and Sales

Nil.

Description: **Christopher Prescott**, Clyde, VIC.

Details of Application

Application Number	2007/213
Variety Name	'Lexativas'
Genus Species	<i>Rosa</i> hybrid
Common Name	Rose
Synonym	Nil
Accepted Date	11 Sep 2007
Applicant	Levacy Ltd, Nicosia, Cyprus
Agent	Grandiflora Nurseries Pty Ltd, Skye, VIC
Qualified Person	Christopher Prescott

Details of Comparative Trial

Location	145 Moores Road, Clyde, VIC (Latitude 38°09' South, elevation 16m).
Descriptor	Rose (new) (<i>Rosa</i>) TG/11/8.
Period	2008
Conditions	Trial conducted in a controlled environment polyhouse with shade, temperature ranged between 15 and 32 degrees Celsius within the 6 weeks prior to examination (1 growth cycle) with plants on their own roots planted into 330mm pots of co-co coir (3 plants per pot) or into 7 hole grow bags of 100mm high x 150mm wide x 1100mm long (1 variety per bag), nutrition was maintained as part of a commercial hydroponic system, pest and disease treatments applied as required.
Trial Design	7 plants of 'Lexativas' and 7 plants of 'Lexidagam' were planted in the grow bags. The bags were placed on double channel benches. These plants were planted on 30 May 2008. The 160 plants of 'Lexaelat' were planted in the 330mm pots and placed on a bench. These plants were planted in 2007.
Measurements	Measurements taken at random.
RHS Chart - edition	2001

Origin and Breeding

'Lexativas' was a mutation found at the property of Lex Voorn Rozenveredding, Hoofdweg, Kudelstaart, the Netherlands by Alexander Jozef Voorn from a population of 'Lexaelat' in Jun 2005. 3 generations were propagated from the original mutation and been found to be stable and consistently different from the parent.

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	type	double
Flower	number of petals	medium to many
Flower	colour group	white blend
Flower	diameter	medium to large
Plant	growth type	bed
Plant	growth habit	upright

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Lexidagam'	
'Lexaelat'	

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	'Lexativas'	'Lexaelat'	'Lexidagam'
<input type="checkbox"/> *Plant: growth type	bed	bed	bed
<input type="checkbox"/> *Plant: growth habit (excluding varieties with growth type climber)	upright	upright	upright
<input type="checkbox"/> Plant: height	medium	medium	medium
<input type="checkbox"/> Young shoot: anthocyanin colouration	present	present	present
<input type="checkbox"/> Young shoot: intensity of anthocyanin colouration	weak	weak	weak
<input type="checkbox"/> Stem: number of prickles	medium	medium to many	medium
<input type="checkbox"/> Prickles: predominant colour	reddish	reddish	reddish
<input type="checkbox"/> Leaf: size	large	large	large
<input type="checkbox"/> Leaf: intensity of green colour	medium to dark	medium to dark	medium to dark
<input type="checkbox"/> Leaf: anthocyanin colouration	present	present	present
<input type="checkbox"/> *Leaf: glossiness of upper side	weak	weak	weak
<input type="checkbox"/> *Leaflet: undulation of margin	weak	weak	weak
<input type="checkbox"/> *Terminal leaflet: shape of blade	ovate	ovate	ovate
<input type="checkbox"/> Terminal leaflet: shape of base of blade	rounded	rounded	rounded
<input type="checkbox"/> Terminal leaflet: shape of apex of blade	acute	acute	acute
<input type="checkbox"/> Flowering shoot: flowering laterals	present	present	present
<input checked="" type="checkbox"/> Flowering shoot: number of flowering laterals	very few	few	few
<input type="checkbox"/> Flowering shoot: number of flowers per lateral (varieties with flowering laterals only)	very few	very few	very few
<input type="checkbox"/> Flower bud: shape in longitudinal section	broad ovate	broad ovate	broad ovate
<input type="checkbox"/> *Flower: type	double	double	double
<input type="checkbox"/> *Flower: number of petals	medium to many	medium to many	medium to many
<input type="checkbox"/> *Flower: colour group	white blend	white blend	white blend
<input checked="" type="checkbox"/> Flower: colour of the centre	orange	pink	yellow
<input type="checkbox"/> Flower: density of petals	medium	medium	medium
<input type="checkbox"/> *Flower: diameter	medium to large	medium to large	medium to large

<input type="checkbox"/>	*Flower: shape	irregularly rounded	irregularly rounded	irregularly rounded
<input checked="" type="checkbox"/>	Flower: profile of upper part	flat	flattened convex	flattened convex
<input type="checkbox"/>	*Flower: profile of lower part	flattened convex	flattened convex	flattened convex
<input checked="" type="checkbox"/>	Flower: fragrance	absent or weak	medium	medium
<input type="checkbox"/>	*Sepal: extensions	strong to very strong	strong	very strong
<input type="checkbox"/>	Petals: reflexing of petals one-by-one	present	present	present
<input type="checkbox"/>	*Petal: shape	transverse elliptic	transverse elliptic	transverse elliptic
<input type="checkbox"/>	Petal: incisions	very weak to weak	very weak to weak	very weak to weak
<input type="checkbox"/>	Petal: reflexing of margin	medium	medium	medium
<input type="checkbox"/>	Petal: undulation	weak	weak	weak
<input type="checkbox"/>	*Petal: size	large	medium to large	large
<input type="checkbox"/>	*Petal: length	medium to long	medium	medium to long
<input type="checkbox"/>	*Petal: width	broad	medium to broad	broad
<input checked="" type="checkbox"/>	*Petal: number of colours on inner side	two	one	one
<input type="checkbox"/>	*Petal: intensity of colour	lighter towards the top	lighter towards the top	lighter towards the top
<input checked="" type="checkbox"/>	*Petal: main colour on the inner side (RHS Colour Chart)	12B	155A	155A
<input type="checkbox"/>	*Petal: secondary colour (varieties with two or more colours on inner side of petal only) (RHS Colour Chart)	157C		
<input type="checkbox"/>	*Petal: basal spot on the inner side	present	present	present
<input type="checkbox"/>	*Petal: size of basal spot on inner side	very small	very small	very small
<input checked="" type="checkbox"/>	*Petal: colour of basal spot on inner side	greenish	greenish	light yellow
<input checked="" type="checkbox"/>	*Petal: main colour on the outer side (RHS Colour Chart)	10D	N155C	155A
<input type="checkbox"/>	Outer stamen: predominant colour of filament	light yellow	light yellow	light yellow
<input type="checkbox"/>	Seed vessel: size	small	small	small
<input type="checkbox"/>	Hip: shape in longitudinal section	funnel-shaped	funnel-shaped	funnel-shaped

Prior Applications and Sales

Country	Year	Current Status	Name Applied
EU	2007	Applied	'Lexativas'

First sold in The Netherlands in Oct 2006

Description: **Christopher Prescott**, Clyde, VIC.

Details of Application

Application Number	2007/212
Variety Name	'Lexidagam'
Genus Species	<i>Rosa</i> hybrid
Common Name	Rose
Synonym	Nil
Accepted Date	11 Sep 2007
Applicant	Levacy Ltd, Nicosia, Cyprus
Agent	Grandiflora Nurseries Pty Ltd, Skye, VIC
Qualified Person	Christopher Prescott

Details of Comparative Trial

Location	145 Moores Road, Clyde, VIC (Latitude 38°09' South, elevation 16m).
Descriptor	Rose (new) (<i>Rosa</i>) TG/11/8.
Period	2008
Conditions	Trial conducted in a controlled environment polyhouse with shade, temperature ranged between 15 and 32 degrees Celsius within the 6 weeks prior to examination (1 growth cycle) with plants on their own roots planted into 330mm pots of co-co coir (3 plants per pot) or into 7 hole grow bags of 100mm high x 150mm wide x 1100mm long (1 variety per bag), nutrition was maintained as part of a commercial hydroponic system, pest and disease treatments applied as required.
Trial Design	7 plants of 'Lexidagam' and 7 plants of 'Lexativas' were planted in the grow bags. The bags were placed on double channel benches. These plants were planted on 30 May 2008. The 160 plants of 'Lexaelat' were planted in the 330mm pots and placed on a bench. These plants were planted in 2007.
Measurements	Measurements were taken at random.
RHS Chart - edition	2001

Origin and Breeding

'Lexidagam' was a mutation found at the property of Lex Voorn Rozenveredling, Hoofdweg, Kudelstaart, the Netherlands by Alexander Jozef Voorn from a population of 'Lexaelat' in Feb 2005. 3 generations were propagated from the original mutation and been found to be stable and consistently different from the parent.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	growth type	bed
Plant	growth habit	upright
Flower	type	double
Flower	number of petals	medium to many
Flower	colour group	white blend
Flower	diameter	medium to large

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Lexaelat'	
'Lexativas'	

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	'Lexidagam'	'Lexaelat'	'Lexativas'
<input type="checkbox"/> *Plant: growth type	bed	bed	bed
<input type="checkbox"/> *Plant: growth habit (excluding varieties with growth type climber)	upright	upright	upright
<input type="checkbox"/> Plant: height	medium	medium	medium
<input type="checkbox"/> Young shoot: anthocyanin colouration	present	present	present
<input type="checkbox"/> Young shoot: intensity of anthocyanin colouration	weak	weak	weak
<input type="checkbox"/> Stem: number of prickles	medium	medium to many	medium
<input type="checkbox"/> Prickles: predominant colour	reddish	reddish	reddish
<input type="checkbox"/> Leaf: size	large	large	large
<input type="checkbox"/> Leaf: intensity of green colour	medium to dark	medium to dark	medium to dark
<input type="checkbox"/> Leaf: anthocyanin colouration	present	present	present
<input type="checkbox"/> *Leaf: glossiness of upper side	weak	weak	weak
<input type="checkbox"/> *Leaflet: undulation of margin	weak	weak	weak
<input type="checkbox"/> *Terminal leaflet: shape of blade	ovate	ovate	ovate
<input type="checkbox"/> Terminal leaflet: shape of base of blade	rounded	rounded	rounded
<input type="checkbox"/> Terminal leaflet: shape of apex of blade	acute	acute	acute
<input type="checkbox"/> Flowering shoot: flowering laterals	present	present	present
<input checked="" type="checkbox"/> Flowering shoot: number of flowering laterals	few	few	very few
<input type="checkbox"/> Flowering shoot: number of flowers per lateral (varieties with flowering laterals only)	very few	very few	very few
<input type="checkbox"/> Flower bud: shape in longitudinal section	broad ovate	broad ovate	broad ovate
<input type="checkbox"/> *Flower: type	double	double	double
<input type="checkbox"/> *Flower: number of petals	medium to many	medium to many	medium to many
<input type="checkbox"/> *Flower: colour group	white blend	white blend	white blend
<input checked="" type="checkbox"/> Flower: colour of the centre	yellow	pink	orange

<input type="checkbox"/>	Flower: density of petals	medium	medium	medium
<input type="checkbox"/>	*Flower: diameter	medium to large	medium to large	medium to large
<input type="checkbox"/>	*Flower: shape	irregularly rounded	irregularly rounded	irregularly rounded
<input checked="" type="checkbox"/>	Flower: profile of upper part	flattened convex	flattened convex	flat
<input type="checkbox"/>	*Flower: profile of lower part	flattened convex	flattened convex	flattened convex
<input checked="" type="checkbox"/>	Flower: fragrance	medium	medium	absent or weak
<input checked="" type="checkbox"/>	*Sepal: extensions	very strong	strong	strong to very strong
<input type="checkbox"/>	Petals: reflexing of petals one-by-one	present	present	present
<input type="checkbox"/>	*Petal: shape	transverse elliptic	transverse elliptic	transverse elliptic
<input type="checkbox"/>	Petal: incisions	very weak to weak	very weak to weak	very weak to weak
<input type="checkbox"/>	Petal: reflexing of margin	medium	medium	medium
<input type="checkbox"/>	Petal: undulation	weak	weak	weak
<input type="checkbox"/>	*Petal: size	large	medium to large	large
<input type="checkbox"/>	*Petal: length	medium to long	medium	medium to long
<input type="checkbox"/>	*Petal: width	broad	medium to broad	broad
<input checked="" type="checkbox"/>	*Petal: number of colours on inner side	one	one	two
<input type="checkbox"/>	*Petal: intensity of colour	lighter towards the top	lighter towards the top	lighter towards the top
<input checked="" type="checkbox"/>	*Petal: main colour on the inner side (RHS Colour Chart)	155A	155A	12B
<input type="checkbox"/>	*Petal: basal spot on the inner side	present	present	present
<input type="checkbox"/>	*Petal: size of basal spot on inner side	very small	very small	very small
<input checked="" type="checkbox"/>	*Petal: colour of basal spot on inner side	light yellow	greenish	greenish
<input checked="" type="checkbox"/>	*Petal: main colour on the outer side (RHS Colour Chart)	155A	N155C	10D
<input type="checkbox"/>	Outer stamen: predominant colour of filament	light yellow	light yellow	light yellow
<input type="checkbox"/>	Seed vessel: size	small	small	small
<input type="checkbox"/>	Hip: shape in longitudinal section	funnel-shaped	funnel-shaped	funnel-shaped

Prior Applications and Sales

Country	Year	Current Status Applied	Name Applied
EU	2006		'Lexidagam'

First sold in Kenya in Mar 2006

Description: Christopher Prescott, Clyde, VIC.

Details of Application

Application Number	2007/211
Variety Name	'Lexteews'
Genus Species	<i>Rosa</i> hybrid
Common Name	Rose
Synonym	Nil
Accepted Date	11 Sep 2007
Applicant	Evaesco, Kudelstaart, The Netherlands
Agent	Grandiflora Nurseries Pty Ltd, Skye, VIC
Qualified Person	Christopher Prescott

Details of Comparative Trial

Location	145 Moores Road, Clyde, VIC (Latitude 38°09' South, elevation 16m).
Descriptor	Rose (new) (<i>Rosa</i>) TG/11/8.
Period	2008
Conditions	Trial conducted in a controlled environment polyhouse with shade, temperature ranged between 15 and 32 degrees Celsius within the 6 weeks prior to examination (1 growth cycle) with plants on their own roots planted into 330mm pots of co-co coir (3 plants per pot), nutrition was maintained as part of a commercial hydroponic system, pest and disease treatments applied as required.
Trial Design	1 bed of 52 pots of 'Lexteews' and 1 bed of 52 'Grandemufrap' on benches.
Measurements	Taken at random.
RHS Chart - edition	2001

Origin and Breeding

'Lexteews' was a mutation observed at the property of Lex Voorn Rozenveredling, Hoofdweg, Kudelstaart, the Netherlands by Alexander Jozef Voorn (Lex) from a population of 'Lexani' in Nov 2005. 3 generations were propagated from the original mutation and been found to be stable and consistently different from the parent.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	growth type	bed
Plant	growth habit	upright
Flower	type	double
Flower	number of petals	medium to many
Flower	colour group	pink
Flower	diameter	large

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Grandemufrap'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety
'Prebian Candy'	Flower diameter	large	medium

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	'Lexteews'	'Grandemuftrap'
<input type="checkbox"/> *Plant: growth type	bed	bed
<input type="checkbox"/> *Plant: growth habit (excluding varieties with growth type climber)	upright	upright
<input checked="" type="checkbox"/> Plant: height	medium	tall
<input type="checkbox"/> Young shoot: anthocyanin colouration	present	present
<input type="checkbox"/> Young shoot: intensity of anthocyanin colouration	strong	medium to strong
<input type="checkbox"/> Stem: number of prickles	few	very few to few
<input type="checkbox"/> Prickles: predominant colour	reddish	reddish
<input type="checkbox"/> Leaf: size	large	large
<input type="checkbox"/> Leaf: intensity of green colour	light to medium	light to medium
<input type="checkbox"/> Leaf: anthocyanin colouration	present	present
<input type="checkbox"/> *Leaf: glossiness of upper side	weak to medium	weak to medium
<input type="checkbox"/> *Leaflet: undulation of margin	weak	weak
<input type="checkbox"/> *Terminal leaflet: shape of blade	ovate	ovate
<input type="checkbox"/> Terminal leaflet: shape of base of blade	rounded	rounded
<input checked="" type="checkbox"/> Terminal leaflet: shape of apex of blade	acute	rounded
<input type="checkbox"/> Flowering shoot: flowering laterals	present	present
<input checked="" type="checkbox"/> Flowering shoot: number of flowering laterals	very few	few
<input checked="" type="checkbox"/> Flowering shoot: number of flowers per lateral (varieties with flowering laterals only)	very few	few
<input type="checkbox"/> Flower bud: shape in longitudinal section	broad ovate	broad ovate
<input type="checkbox"/> *Flower: type	double	double
<input type="checkbox"/> *Flower: number of petals	medium to many	many
<input type="checkbox"/> *Flower: colour group	pink	pink
<input type="checkbox"/> Flower: colour of the centre	pink	pink
<input type="checkbox"/> Flower: density of petals	medium to dense	dense
<input type="checkbox"/> *Flower: diameter	large	large
<input type="checkbox"/> *Flower: shape	irregularly rounded	irregularly rounded

<input type="checkbox"/>	Flower: profile of upper part	flattened convex	flattened convex
<input checked="" type="checkbox"/>	*Flower: profile of lower part	flattened convex	flat
<input checked="" type="checkbox"/>	Flower: fragrance	absent or weak	strong
<input checked="" type="checkbox"/>	*Sepal: extensions	medium	strong
<input type="checkbox"/>	Petals: reflexing of petals one-by-one	present	present
<input type="checkbox"/>	*Petal: shape	rounded	rounded
<input type="checkbox"/>	Petal: incisions	absent or very weak	very weak to weak
<input type="checkbox"/>	Petal: reflexing of margin	medium	medium
<input type="checkbox"/>	Petal: undulation	weak	weak
<input type="checkbox"/>	*Petal: size	large	large
<input type="checkbox"/>	*Petal: length	long	long
<input type="checkbox"/>	*Petal: width	broad	broad
<input checked="" type="checkbox"/>	*Petal: number of colours on inner side	two	one
<input checked="" type="checkbox"/>	*Petal: intensity of colour	lighter towards the base	even
<input checked="" type="checkbox"/>	*Petal: main colour on the inner side (RHS Colour Chart)	65D	N155B
<input type="checkbox"/>	*Petal: secondary colour (varieties with two or more colours on inner side of petal only) (RHS Colour Chart)	N155B	
<input type="checkbox"/>	*Petal: basal spot on the inner side	present	present
<input type="checkbox"/>	*Petal: size of basal spot on inner side	small to medium	small
<input checked="" type="checkbox"/>	*Petal: colour of basal spot on inner side	white	light yellow
<input checked="" type="checkbox"/>	*Petal: main colour on the outer side (RHS Colour Chart)	65C	62D
<input type="checkbox"/>	Outer stamen: predominant colour of filament	light yellow	light yellow
<input type="checkbox"/>	Seed vessel: size	small	very small to small
<input type="checkbox"/>	Hip: shape in longitudinal section	funnel-shaped	funnel-shaped

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Lexteews'	'Grandemufrap'
<input type="checkbox"/> Young shoot: hue of anthocyanin colouration	reddish	bronze

Prior Applications and Sales

Country	Year	Current Status	Name Applied
EU	2006	Applied	'Lexteews'

First sold in The Netherlands in Apr 2006.

Description: Christopher Prescott, Clyde, VIC.

Details of Application

Application Number	2007/185
Variety Name	'PEJAMBLU'
Genus Species	<i>Rosa</i> hybrid
Common Name	Rose
Synonym	Nil
Accepted Date	14 Aug 2007
Applicant	Peter Joseph James, West Midlands, UK
Agent	Australian Roses, Silvan, VIC
Qualified Person	Christopher Prescott

Details of Comparative Trial

Location	145 Moores Road, Clyde, VIC (Latitude 38°09' South, elevation 16m).
Descriptor	Rose (new) (<i>Rosa</i>)TG/11/8.
Period	2008
Conditions	Trial conducted in a controlled environment polyhouse with shade, temperature ranged between 15 and 32 degrees Celsius within the 6 weeks prior to examination (1 growth cycle) with plants on their own roots planted into 210mm (1 plant per pot) and 330mm (3 plants per pot) pots filled with co-co coir, nutrition was maintained as part of a commercial hydroponic system, pest and disease treatments applied as required.
Trial Design	8 x 210mm pots of 'Pejamblu' and 2 x 330mm pots of Frantasia set in rows of two plant beds on benches, randomly placed within the CTC greenhouse.
Measurements	Measurements taken at random.
RHS Chart - edition	2001

Origin and Breeding

'PEJAMBLU' was the resultant seedling from the cross between 'ROGSCRIV' syn. Natural Beauty (seed parent) and an unnamed seedling (pollen parent) in 2001. The seedling was first selected from a population of seedlings later that year based on flower colour. Additional selections were made over the next five years to determine the variety's suitability as a commercial garden rose. With each selection a new generation of plants were taken as cuttings from the previous generation, increasing the quantity of plants with each trial. 'PEJAMBLU' was bred by Mr Peter Joseph James 324 City Road, Tividale Oldbury West Midlands, UK.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	growth habit	semi upright
Flowering shoot	number of flowering laterals	many
Flower	type	double
Flower	number of petals	very few
Flower	colour group	violet blend
Flower	density of petals	loose
Flower	diameter	medium
Flower	colour of the centre	white
Flower	shape	round
Flower	profile of upper part	flat
Petal	number of colours on inner side	one

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Frantasia'	

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	'PEJAMBLU'	'Frantasia'
<input checked="" type="checkbox"/> *Plant: growth type	shrub	climber
<input type="checkbox"/> *Plant: growth habit (excluding varieties with growth type climber)	semi upright	semi upright
<input checked="" type="checkbox"/> Plant: height	medium	very tall
<input type="checkbox"/> Young shoot: anthocyanin colouration	present	present
<input type="checkbox"/> Young shoot: intensity of anthocyanin colouration	very weak	very weak
<input type="checkbox"/> Stem: number of prickles	medium	medium
<input type="checkbox"/> Prickles: predominant colour	yellowish	yellowish
<input type="checkbox"/> Leaf: size	large	large
<input type="checkbox"/> Leaf: intensity of green colour	medium to dark	medium to dark
<input type="checkbox"/> Leaf: anthocyanin colouration	present	present
<input type="checkbox"/> *Leaf: glossiness of upper side	weak	absent or very weak
<input type="checkbox"/> *Leaflet: undulation of margin	weak to medium	very weak to weak
<input checked="" type="checkbox"/> *Terminal leaflet: shape of blade	ovate	medium elliptic
<input type="checkbox"/> Terminal leaflet: shape of base of blade	rounded	rounded
<input type="checkbox"/> Terminal leaflet: shape of apex of blade	acute	acute
<input type="checkbox"/> Flowering shoot: flowering laterals	present	present
<input type="checkbox"/> Flowering shoot: number of flowering laterals	many	many

<input type="checkbox"/>	Flowering shoot: number of flowers per lateral (varieties with flowering laterals only)	many	many
<input type="checkbox"/>	Flower bud: shape in longitudinal section	medium ovate	medium ovate
<input type="checkbox"/>	*Flower: type	double	double
<input type="checkbox"/>	*Flower: number of petals	very few	very few
<input type="checkbox"/>	*Flower: colour group	violet blend	violet blend
<input type="checkbox"/>	Flower: density of petals	loose	loose
<input type="checkbox"/>	*Flower: diameter	medium	medium
<input type="checkbox"/>	*Flower: shape	round	round
<input type="checkbox"/>	Flower: profile of upper part	flat	flat
<input type="checkbox"/>	*Flower: profile of lower part	flattened convex	flattened convex
<input checked="" type="checkbox"/>	Flower: fragrance	strong	medium
<input type="checkbox"/>	*Sepal: extensions	medium	medium
<input type="checkbox"/>	Petals: reflexing of petals one-by-one	absent	absent
<input type="checkbox"/>	*Petal: shape	transverse elliptic	transverse elliptic
<input type="checkbox"/>	Petal: incisions	weak to medium	weak to medium
<input type="checkbox"/>	Petal: reflexing of margin	absent or very weak	absent or very weak
<input checked="" type="checkbox"/>	Petal: undulation	medium	weak
<input type="checkbox"/>	*Petal: size	medium	medium
<input type="checkbox"/>	*Petal: length	medium	medium
<input type="checkbox"/>	*Petal: width	medium to broad	medium to broad
<input type="checkbox"/>	*Petal: number of colours on inner side	one	one
<input type="checkbox"/>	*Petal: intensity of colour	even	even
<input type="checkbox"/>	*Petal: main colour on the inner side (RHS Colour Chart)	77A	darker than 77A (colour is distinguishable even though same on RHS chart. [see image])
<input type="checkbox"/>	*Petal: basal spot on the inner side	present	present
<input type="checkbox"/>	*Petal: size of basal spot on inner side	medium	small to medium
<input type="checkbox"/>	*Petal: colour of basal spot on inner side	white	white
<input type="checkbox"/>	*Petal: main colour on the outer side (RHS Colour Chart)	77C	77B
<input type="checkbox"/>	Outer stamen: predominant colour of filament	medium yellow	medium yellow
<input type="checkbox"/>	Seed vessel: size	very small to small	very small to small
<input type="checkbox"/>	Hip: shape in longitudinal section	pitcher-shaped	pitcher-shaped

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'PEJAMBLU'	'Frantasia'
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<input type="checkbox"/> Flower: colour of centre	white	white
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Prior Applications and Sales

Country	Year	Current Status	Name Applied
EU	2006	Applied	'PEJAMBLU'

First sold in UK in Jul 2006.

Description: **Christopher Prescott**, Clyde, VIC.

Details of Application

Application Number	2007/187
Variety Name	'Selmusic'
Genus Species	<i>Rosa</i> hybrid
Common Name	Rose
Synonym	Nil
Accepted Date	30 Jul 2007
Applicant	TERRA NIGRA Holding B.V., Kunelstaart, The Netherlands
Agent	Grandiflora Nurseries Pty Ltd, Skye, VIC
Qualified Person	Christopher Prescott

Details of Comparative Trial

Location	145 Moores Road, Clyde, VIC (Latitude 38°09' South, elevation 16m).
Descriptor	Rose (new) (<i>Rosa</i>) TG/11/8.
Period	2008
Conditions	Trial conducted in a controlled environment polyhouse with shade, temperature ranged between 15 and 32 degrees Celsius within the 6 weeks prior to examination (1 growth cycle) with plants on their own roots planted into grow bags of co-co coir, nutrition was maintained as part of a commercial hydroponic system, pest and disease treatments applied as required.
Trial Design	7 plants of 'Selmusic', 'Grandbliza' and 'Prebian' planted into 7 hole grow bags of 100mm high x 150mm wide x 1100mm long (1 variety per bag) the bags were placed on double channel benches. all plants were planted on 30 May 2008.
Measurements	Measurements were taken at random on 25 Nov 2008.
RHS Chart - edition	2001

Origin and Breeding

'Selmusic' was the resultant seedling from the cross between unnamed seedling 682 (seed parent) and 'Selpigeon' (pollen parent) in Apr 2000. The seedling was first selected from a population of seedlings later that year based on flower colour. Additional selections were made over the next few years to determine the variety's suitability as a commercial cut rose. With each selection a new generation of plants were taken as cuttings from the previous generation, increasing the quantity of plants with each trial. 'Selmusic' was bred by Mr P. E. Boerlage of Terra Nigre Holdings B.V Kudelstaart, the Netherlands.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	growth type	bed
Flowering shoot	number of flowering laterals	very few to few
Flower	type	double
Flower	number of petals	medium to many
Flower	colour group	white
Flower	density of petals	dense
Plant	height	medium to tall

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Grandbliza'	
'Prebian'	

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	'Selmusic'	'Grandbliza'	'Prebian'
<input type="checkbox"/> *Plant: growth type	bed	bed	bed
<input type="checkbox"/> *Plant: growth habit (excluding varieties with growth type climber)	upright	upright	semi upright
<input type="checkbox"/> Plant: height	medium to tall	medium	medium
<input type="checkbox"/> Young shoot: anthocyanin colouration	present	present	present
<input type="checkbox"/> Young shoot: intensity of anthocyanin colouration	weak	medium	weak to medium
<input type="checkbox"/> Stem: number of prickles	medium to many	many	many
<input type="checkbox"/> Prickles: predominant colour	reddish	reddish	reddish
<input checked="" type="checkbox"/> Leaf: size	medium to large	small to medium	large
<input type="checkbox"/> Leaf: intensity of green colour	light to medium	light	medium
<input type="checkbox"/> Leaf: anthocyanin colouration	present	present	present
<input type="checkbox"/> *Leaf: glossiness of upper side	weak to medium	very weak to weak	very weak to weak
<input type="checkbox"/> *Leaflet: undulation of margin	weak	weak	absent or very weak
<input checked="" type="checkbox"/> *Terminal leaflet: shape of blade	ovate	circular	ovate
<input type="checkbox"/> Terminal leaflet: shape of base of blade	rounded	rounded	rounded
<input type="checkbox"/> Terminal leaflet: shape of apex of blade	acute	acute	acute
<input type="checkbox"/> Flowering shoot: flowering laterals	present	present	present
<input type="checkbox"/> Flowering shoot: number of flowering laterals	very few to few	few	few
<input type="checkbox"/> Flowering shoot: number of flowers per lateral (varieties with flowering laterals only)	very few	very few	very few
<input type="checkbox"/> Flower bud: shape in longitudinal section	broad ovate	broad ovate	broad ovate
<input type="checkbox"/> *Flower: type	double	double	double
<input type="checkbox"/> *Flower: number of petals	many	medium to many	medium to many
<input type="checkbox"/> *Flower: colour group	white or near white	white or near white	white or near white

<input type="checkbox"/>	Flower: density of petals	dense	dense	medium to dense
<input type="checkbox"/>	*Flower: diameter	medium	small to medium	medium
<input type="checkbox"/>	*Flower: shape	irregularly rounded	irregularly rounded	irregularly rounded
<input type="checkbox"/>	Flower: profile of upper part	flattened convex	flattened convex	flattened convex
<input checked="" type="checkbox"/>	*Flower: profile of lower part	flattened convex	flat	flat
<input checked="" type="checkbox"/>	Flower: fragrance	absent or weak	medium	medium
<input checked="" type="checkbox"/>	*Sepal: extensions	strong	medium	medium
<input type="checkbox"/>	Petals: reflexing of petals one-by-one	present	present	present
<input checked="" type="checkbox"/>	*Petal: shape	transverse elliptic	transverse elliptic	obovate
<input type="checkbox"/>	Petal: incisions	weak	absent or very weak	absent or very weak
<input type="checkbox"/>	Petal: reflexing of margin	medium to strong	strong	medium to strong
<input type="checkbox"/>	Petal: undulation	weak	weak	very weak to weak
<input type="checkbox"/>	*Petal: size	medium	medium	medium
<input type="checkbox"/>	*Petal: length	medium to long	medium to long	medium
<input type="checkbox"/>	*Petal: width	medium	medium	medium
<input type="checkbox"/>	*Petal: number of colours on inner side	one	one	one
<input type="checkbox"/>	*Petal: intensity of colour	even	even	even
<input type="checkbox"/>	*Petal: main colour on the inner side (RHS Colour Chart)	155C	155A	155A
<input type="checkbox"/>	*Petal: basal spot on the inner side	absent	absent	absent
<input type="checkbox"/>	*Petal: main colour on the outer side (RHS Colour Chart)	155C	155C	155C
<input type="checkbox"/>	Outer stamen: predominant colour of filament	light yellow	light yellow	medium yellow
<input type="checkbox"/>	Seed vessel: size	small	small	small
<input type="checkbox"/>	Hip: shape in longitudinal section	funnel-shaped	funnel-shaped	funnel-shaped

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	‘Selmusic’	‘Grandbliza’	‘Prebian’
<input checked="" type="checkbox"/> Flower: colour of centre	white	yellow	yellow

Statistical Table

Organ/Plant Part: Context	'Selmusic'	'Grandbliza'	'Prebian'
<input type="checkbox"/> Petal: number			
Mean	67.83	55.33	56.83
Std. Deviation	31.83	6.09	14.51
LSD/sig	30.369	ns	ns
Means Separation			
<input checked="" type="checkbox"/> Terminal leaflet: length (mm)			
Mean	84.29	55.53	74.80
Std. Deviation	9.52	7.58	6.95
LSD/sig	6.125	P≤0.01	P≤0.01
Means Separation			
<input checked="" type="checkbox"/> Terminal leaflet: width (mm)			
Mean	54.89	41.54	48.10
Std. Deviation	4.97	5.89	4.32
LSD/sig	3.610	P≤0.01	P≤0.01
Means Separation			
<input checked="" type="checkbox"/> Terminal leaflet: ratio length/width			
Mean	1.53	1.34	1.56
Std. Deviation	0.09	0.12	0.07
LSD/sig	0.072	P≤0.01	ns
Means Separation			

Prior Applications and Sales

Nil.

Description: **Christopher Prescott**, Clyde, VIC.

Details of Application

Application Number	2007/312
Variety Name	'Grandtinifa'
Genus Species	<i>Rosa</i> hybrid
Common Name	Rose
Synonym	Nil
Accepted Date	12 Dec 2007
Applicant	Mr H Schreuders, Skye, VIC
Agent	Grandiflora Nurseries Pty Ltd, Skye, VIC
Qualified Person	Christopher Prescott

Details of Comparative Trial

Location	145 Moores Road, Clyde, VIC (Latitude 38°09' South, elevation 16m).
Descriptor	Rose (new) (<i>Rosa</i>)TG/11/8.
Period	2008
Conditions	Trial conducted in a controlled environment polyhouse with shade, temperature ranged between 15 and 32 degrees Celsius within the 6 weeks prior to examination (1 growth cycle) with plants on their own roots planted into grow bags of co-co coir, nutrition was maintained as part of a commercial hydroponic system, pest and disease treatments applied as required.
Trial Design	7 plants of 'Grandtiniffa' and 'Korvaky' planted into 7 hole grow bags of 100mm high x 150mm wide x 1100mm long (1 variety per bag)the bags were placed on double channel benches. all plants were planted on 30 May 2008.
Measurements	Measurements were taken at random on 25 Nov 2008.
RHS Chart - edition	2001

Origin and Breeding

'Grandtiniffa' was the resultant seedling from the cross of two unnamed seedlings (GF 95Y and GF 04 15) bred by Mr H Schreuders between Aug and Nov 2004 The seedling was first selected from a population of seedlings later that year based on flower colour. Additional selections were made over the next few years to determine the variety's suitability as a commercial cut rose. With each selection a new generation of plants were taken as cuttings from the previous generation, increasing the quantity of plants with each trial. 'Grandtiniffa' was bred by Mr H Schreuders in Skye, 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
Plant	growth type	bed
Plant	growth habit	upright
Flower	type	double
Flower	colour group	light yellow
Flower	colour of the centre	yellow
Flower	diameter	medium to large
Petal	number of colours on inner side	one

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Korvaky'	

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	'Grandtinifa'	'Korvaky'
<input type="checkbox"/> *Plant: growth type	bed	bed
<input type="checkbox"/> *Plant: growth habit (excluding varieties with growth type climber)	upright	upright
<input type="checkbox"/> Plant: height	medium to tall	medium
<input type="checkbox"/> Young shoot: anthocyanin colouration	present	present
<input type="checkbox"/> Young shoot: intensity of anthocyanin colouration	weak	weak
<input checked="" type="checkbox"/> Stem: number of prickles	many	medium
<input type="checkbox"/> Prickles: predominant colour	reddish	reddish
<input type="checkbox"/> Leaf: size	large	medium to large
<input type="checkbox"/> Leaf: intensity of green colour	medium	medium
<input type="checkbox"/> Leaf: anthocyanin colouration	present	present
<input checked="" type="checkbox"/> *Leaf: glossiness of upper side	weak	absent or very weak
<input checked="" type="checkbox"/> *Leaflet: undulation of margin	absent or very weak	weak
<input checked="" type="checkbox"/> *Terminal leaflet: shape of blade	circular	ovate
<input type="checkbox"/> Terminal leaflet: shape of base of blade	rounded	rounded
<input type="checkbox"/> Terminal leaflet: shape of apex of blade	acute	acute
<input type="checkbox"/> Flowering shoot: flowering laterals	present	present
<input type="checkbox"/> Flowering shoot: number of flowering laterals	very few	very few
<input checked="" type="checkbox"/> Flowering shoot: number of flowers per lateral (varieties with flowering laterals only)	few	very few
<input type="checkbox"/> Flower bud: shape in longitudinal section	broad ovate	broad ovate
<input type="checkbox"/> *Flower: type	double	double
<input checked="" type="checkbox"/> *Flower: number of petals	medium	many
<input type="checkbox"/> *Flower: colour group	yellow	yellow
<input type="checkbox"/> Flower: colour of the centre	yellow	yellow
<input checked="" type="checkbox"/> Flower: density of petals	loose to medium	medium to dense
<input type="checkbox"/> *Flower: diameter	medium to large	medium to large
<input type="checkbox"/> *Flower: shape	irregularly rounded	irregularly rounded

<input type="checkbox"/>	Flower: profile of upper part	flattened convex	flattened convex
<input type="checkbox"/>	*Flower: profile of lower part	flattened convex	flattened convex
<input checked="" type="checkbox"/>	Flower: fragrance	medium	absent or weak
<input type="checkbox"/>	*Sepal: extensions	strong	strong
<input type="checkbox"/>	Petals: reflexing of petals one-by-one	present	present
<input type="checkbox"/>	*Petal: shape	transverse elliptic	rounded
<input type="checkbox"/>	Petal: incisions	very weak to weak	absent or very weak
<input type="checkbox"/>	Petal: reflexing of margin	weak to medium	medium
<input type="checkbox"/>	Petal: undulation	medium	weak to medium
<input checked="" type="checkbox"/>	*Petal: size	medium	large
<input checked="" type="checkbox"/>	*Petal: length	medium	long
<input checked="" type="checkbox"/>	*Petal: width	medium	broad
<input type="checkbox"/>	*Petal: number of colours on inner side	one	one
<input type="checkbox"/>	*Petal: intensity of colour	even	even
<input checked="" type="checkbox"/>	*Petal: main colour on the inner side (RHS Colour Chart)	4D	6D
<input checked="" type="checkbox"/>	*Petal: basal spot on the inner side	present	absent
<input checked="" type="checkbox"/>	*Petal: main colour on the outer side (RHS Colour Chart)	4D	5D
<input type="checkbox"/>	Outer stamen: predominant colour of filament	light yellow	light yellow
<input type="checkbox"/>	Seed vessel: size	small	small
<input type="checkbox"/>	Hip: shape in longitudinal section	funnel-shaped	funnel-shaped

Prior Applications and Sales

Nil.

Description: **Christopher Prescott**, Clyde, VIC.

Details of Application

Application Number	2007/311
Variety Name	'Grandhonemo'
Genus Species	<i>Rosa</i> hybrid
Common Name	Rose
Synonym	Nil
Accepted Date	12 Dec 2007
Applicant	Mr H Schreuders, Skye, VIC
Agent	Grandiflora Nurseries Pty Ltd, Skye, VIC
Qualified Person	Christopher Prescott

Details of Comparative Trial

Location	145 Moores Road, Clyde, VIC (Latitude 38°09' South, elevation 16m).
Descriptor	Rose (new) (<i>Rosa</i>) TG/11/8.
Period	2008
Conditions	Trial conducted in a controlled environment polyhouse with shade, temperature ranged between 15 and 32 degrees Celsius within the 6 weeks prior to examination (1 growth cycle) with plants on their own roots planted into 330mm pots of co-co coir (3 plants per pot) and 210mm pots of co-co coir (1 plant per pot), nutrition was maintained as part of a commercial hydroponic system, pest and disease treatments applied as required.
Trial Design	1 row of 52 x 330mm pots of Grandhonemo and 8 x 210mm pots of Korweineu on benches in rows 2 plants wide.
Measurements	Measurements taken at random.
RHS Chart - edition	2001.

Origin and Breeding

'Grandhonemo' was the resultant seedling from the cross of two unnamed seedlings (GF 86Y and GF 04 15) bred by Mr H Schreuders between Aug and Nov 2004. The seedling was first selected from a population of seedlings later that year based on flower colour. Additional selections were made over the next few years to determine the variety's suitability as a commercial cut rose. With each selection a new generation of plants were taken as cuttings from the previous generation, increasing the quantity of plants with each trial. 'Grandhonemo' was bred by Mr H Schreuders in Skye, 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
Plant	growth type	bed
Plant	growth habit	upright
Flower	type	double
Flower	colour group	brown blend
Flower	colour of the centre	brown

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Korweineu'	

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	'Grandhonemo'	'Korweineu'
<input type="checkbox"/> *Plant: growth type	bed	bed
<input type="checkbox"/> *Plant: growth habit (excluding varieties with growth type climber)	upright	upright
<input type="checkbox"/> Plant: height	short to medium	short to medium
<input type="checkbox"/> Young shoot: anthocyanin colouration	present	present
<input type="checkbox"/> Young shoot: intensity of anthocyanin colouration	medium	medium to strong
<input checked="" type="checkbox"/> Stem: number of prickles	few to medium	absent or very few
<input checked="" type="checkbox"/> Prickles: predominant colour	yellowish	reddish
<input checked="" type="checkbox"/> Leaf: size	large	small
<input checked="" type="checkbox"/> Leaf: intensity of green colour	medium	dark
<input type="checkbox"/> Leaf: anthocyanin colouration	present	present
<input checked="" type="checkbox"/> *Leaf: glossiness of upper side	weak	medium
<input checked="" type="checkbox"/> *Leaflet: undulation of margin	absent or very weak	weak to medium
<input type="checkbox"/> *Terminal leaflet: shape of blade	ovate	ovate
<input checked="" type="checkbox"/> Terminal leaflet: shape of base of blade	rounded	cordate
<input type="checkbox"/> Terminal leaflet: shape of apex of blade	acute	acute
<input type="checkbox"/> Flowering shoot: flowering laterals	present	present
<input type="checkbox"/> Flowering shoot: number of flowering laterals	few	few
<input type="checkbox"/> Flowering shoot: number of flowers per lateral (varieties with flowering laterals only)	very few	very few to few
<input type="checkbox"/> Flower bud: shape in longitudinal section	medium ovate	broad ovate
<input type="checkbox"/> *Flower: type	double	double
<input type="checkbox"/> *Flower: number of petals	medium	medium
<input type="checkbox"/> *Flower: colour group	brown blend	brown blend
<input type="checkbox"/> Flower: density of petals	loose to medium	loose to medium
<input checked="" type="checkbox"/> *Flower: diameter	large to very large	small to medium
<input checked="" type="checkbox"/> *Flower: shape	irregularly rounded	round
<input checked="" type="checkbox"/> Flower: profile of upper part	flattened convex	flat
<input checked="" type="checkbox"/> *Flower: profile of lower part	concave	flat
<input type="checkbox"/> Flower: fragrance	strong	strong
<input type="checkbox"/> *Sepal: extensions	medium	medium
<input type="checkbox"/> Petals: reflexing of petals one-by-one	present	present

<input checked="" type="checkbox"/>	*Petal: shape	transverse elliptic	rounded
<input checked="" type="checkbox"/>	Petal: incisions	weak	absent or very weak
<input type="checkbox"/>	Petal: reflexing of margin	weak to medium	weak
<input type="checkbox"/>	Petal: undulation	absent or very weak	very weak to weak
<input checked="" type="checkbox"/>	*Petal: size	large	medium
<input checked="" type="checkbox"/>	*Petal: length	long	medium
<input checked="" type="checkbox"/>	*Petal: width	broad	medium
<input checked="" type="checkbox"/>	*Petal: number of colours on inner side	one	two
<input checked="" type="checkbox"/>	*Petal: intensity of colour	even	lighter towards the top
<input type="checkbox"/>	*Petal: main colour on the inner side (RHS Colour Chart)	159B	159D
<input type="checkbox"/>	*Petal: basal spot on the inner side	present	present
<input type="checkbox"/>	*Petal: size of basal spot on inner side	small to medium	small
<input checked="" type="checkbox"/>	*Petal: colour of basal spot on inner side	medium yellow	orange yellow
<input type="checkbox"/>	*Petal: main colour on the outer side (RHS Colour Chart)	160D	160D
<input type="checkbox"/>	Outer stamen: predominant colour of filament	medium yellow	medium yellow
<input type="checkbox"/>	Seed vessel: size	small to medium	medium
<input checked="" type="checkbox"/>	Hip: shape in longitudinal section	funnel-shaped	pitcher-shaped

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	‘Grandhonemo’	‘Korweineu’
<input type="checkbox"/> Flower: colour of centre	brown	brown

Prior Applications and Sales

Nil.

Description: **Christopher Prescott**, Clyde, VIC.

Details of Application

Application Number	2007/310
Variety Name	'Grandshanla'
Genus Species	<i>Rosa</i> hybrid
Common Name	Rose
Synonym	Nil
Accepted Date	12 Dec 2007
Applicant	Mr H Schreuders, Skye, VIC
Agent	Grandiflora Nurseries Pty Ltd, Skye, VIC
Qualified Person	Christopher Prescott

Details of Comparative Trial

Location	145 Moores Road, Clyde, VIC (Latitude 38°09' South, elevation 16m).
Descriptor	Rose (new) (<i>Rosa</i>) TG/11/8.
Period	2008 (examination took place on 25 Nov 2008).
Conditions	Trial conducted in a controlled environment polyhouse with shade, temperature ranged between 15 and 32 degrees Celsius within the 6 weeks prior to examination (1 growth cycle) with plants on their own roots planted into 330mm pots of co-co coir (3 plants per pot) and into 210mm pots of co-co coir (1 plant per pot)(1 variety per bag), nutrition was maintained as part of a commercial hydroponic system, pest and disease treatments applied as required.
Trial Design	160 plants of 'Grandshanla' were planted in the 330mm pots and placed on a bench. 6 plants of 'Grandlavda' were planted in the 210mm pots and placed side by side on a bench.
Measurements	Measurements taken at random
RHS Chart - edition	2001.

Origin and Breeding

'Grandshanla' was the resultant seedling from the cross of two unnamed seedlings ('GF 5' and 'GF 97-37-13') bred by Mr H Schreuders between Aug and Nov 2003. The seedling was first selected from a population of seedlings later that year based on flower colour. Additional selections were made over the next few years to determine the variety's suitability as a commercial cut rose. With each selection a new generation of plants were taken as cuttings from the previous generation, increasing the quantity of plants with each trial. 'Grandshanla' was bred by Mr H Schreuders in Skye, 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
Plant	growth type	bed
Plant	growth habit	semi upright
Plant	height	short to medium
Flower	type	double
Flower	colour group	purple
Flower	colour of the centre	purple
Petal	number of colours on inner side	one

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Grandlavda'	

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	'Grandshanla'	'Grandlavda'
<input type="checkbox"/> *Plant: growth type	bed	bed
<input type="checkbox"/> *Plant: growth habit (excluding varieties with growth type climber)	semi upright	semi upright
<input type="checkbox"/> Plant: height	short to medium	short to medium
<input type="checkbox"/> Young shoot: anthocyanin colouration	present	present
<input type="checkbox"/> Young shoot: intensity of anthocyanin colouration	strong	medium to strong
<input type="checkbox"/> Stem: number of prickles	few to medium	few to medium
<input checked="" type="checkbox"/> Prickles: predominant colour	reddish	yellowish
<input checked="" type="checkbox"/> Leaf: size	very large	medium to large
<input type="checkbox"/> Leaf: intensity of green colour	dark	medium to dark
<input type="checkbox"/> Leaf: anthocyanin colouration	present	present
<input type="checkbox"/> *Leaf: glossiness of upper side	very weak to weak	weak
<input type="checkbox"/> *Leaflet: undulation of margin	weak	very weak to weak
<input type="checkbox"/> *Terminal leaflet: shape of blade	ovate	ovate
<input checked="" type="checkbox"/> Terminal leaflet: shape of base of blade	cordate	rounded
<input type="checkbox"/> Terminal leaflet: shape of apex of blade	acute	acute
<input type="checkbox"/> Flowering shoot: flowering laterals	present	present
<input type="checkbox"/> Flowering shoot: number of flowering laterals	very few	very few
<input type="checkbox"/> Flowering shoot: number of flowers per lateral (varieties with flowering laterals only)	very few	very few
<input type="checkbox"/> Flower bud: shape in longitudinal section	broad ovate	broad ovate
<input type="checkbox"/> *Flower: type	double	double
<input type="checkbox"/> *Flower: number of petals	medium to many	medium
<input type="checkbox"/> *Flower: colour group	purple	purple
<input type="checkbox"/> Flower: colour of the centre	purple	purple
<input type="checkbox"/> Flower: density of petals	loose to medium	loose to medium
<input type="checkbox"/> *Flower: diameter	medium to large	medium
<input type="checkbox"/> *Flower: shape	irregularly rounded	irregularly rounded
<input type="checkbox"/> Flower: profile of upper part	flattened convex	flattened convex

<input type="checkbox"/>	*Flower: profile of lower part	flat	flat
<input type="checkbox"/>	Flower: fragrance	medium	medium
<input checked="" type="checkbox"/>	*Sepal: extensions	medium	strong to very strong
<input type="checkbox"/>	Petals: reflexing of petals one-by-one	present	present
<input checked="" type="checkbox"/>	*Petal: shape	rounded	transverse elliptic
<input type="checkbox"/>	Petal: incisions	absent or very weak	weak
<input type="checkbox"/>	Petal: reflexing of margin	medium	weak to medium
<input type="checkbox"/>	Petal: undulation	absent or very weak	weak
<input type="checkbox"/>	*Petal: size	large	large
<input type="checkbox"/>	*Petal: length	long	long
<input type="checkbox"/>	*Petal: width	broad	medium to broad
<input type="checkbox"/>	*Petal: number of colours on inner side	one	one
<input type="checkbox"/>	*Petal: intensity of colour	even	even
<input checked="" type="checkbox"/>	*Petal: main colour on the inner side (RHS Colour Chart)	75C	76C
<input type="checkbox"/>	*Petal: basal spot on the inner side	present	present
<input type="checkbox"/>	*Petal: size of basal spot on inner side	very small to small	very small
<input checked="" type="checkbox"/>	*Petal: colour of basal spot on inner side	light yellow	greenish
<input checked="" type="checkbox"/>	*Petal: main colour on the outer side (RHS Colour Chart)	65B	75B
<input checked="" type="checkbox"/>	Outer stamen: predominant colour of filament	light yellow	orange
<input checked="" type="checkbox"/>	Seed vessel: size	large	medium
<input checked="" type="checkbox"/>	Hip: shape in longitudinal section	pitcher-shaped	funnel-shaped

Statistical Table

Organ/Plant Part: Context	‘Grandshanla’	‘Grandlavda’
<input type="checkbox"/> Petal: number		
Mean	47.67	38.00
Std. Deviation	10.03	2.53
LSD/sig	11.67	ns
<input checked="" type="checkbox"/> Staminal Bundle: diameter (from fully open flower showing stamens (mm))		
Mean	22.45	37.05
Std. Deviation	2.40	6.07
LSD/sig	8.97	P≤0.01

Prior Applications and Sales

Nil.

Description: Christopher Prescott, Clyde, VIC.

Details of Application

Application Number	2008/137
Variety Name	'Nothowlee'
Genus Species	<i>Euphorbia</i> hybrid
Common Name	Spurge
Synonym	Blackbird
Accepted Date	17 Jun 2008
Applicant	Notcutts Nurseries, Woodbridge Suffolk, UK
Agent	Plants Management Australia Pty. Ltd, Dodges Ferry, TAS
Qualified Person	Steve Eggleton

Details of Comparative Trial

Location	Wonga Park, VIC.
Descriptor	General Descriptor (for plant varieties with no descriptor available) PBR GEN-DES.
Period	Feb 2008 to Nov 2008.
Conditions	Trial conducted in the open, plants propagated and grown in 50mm tubes during Feb to Apr 2008. In late April the tubes were potted and grown on in 140mm containers filled with soilless, pinebark based mix with controlled release fertilizers. Appropriate pest and disease treatments were applied as required.
Trial Design	Twelve pots of each variety in a completely randomised design.
Measurements	From ten plants randomly selected.
RHS Chart - edition	1995.

Origin and Breeding

Spontaneous mutation or sport: was first discovered in April 2002 in Woodbridge, Suffolk, England as a whole plant mutation in a production batch of *Euphorbia* 'Charam'. This plant was isolated due to its foliage characteristics and grown on to a mature flowering plant. At this point it was finally selected for with the following selection criteria: leaf colour deep purple and inflorescence colour bronze. Propagation first occurred in Jun 2002 via cuttings. This and all subsequent generations have remained uniform and stable. Breeder: Notcutts Nurseries, Woodbridge Suffolk, UK

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	growth habit	bushy
Leaf	variegation	absent
Leaf	degree of anthocyanin colouration in new growth	medium to strong
Leaf	shape	oblanceolate

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Craigieburn'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Charam'	leaf degree of anthocyanin colouration in new growth	strong	weak	Parental 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	'Nothowlee'	'Craigieburn'
<input type="checkbox"/> Plant: growth habit	bushy	bushy
<input type="checkbox"/> Leaf: shape	oblanceolate	oblanceolate
<input type="checkbox"/> Leaf: shape of apex	acute	acute
<input type="checkbox"/> Leaf: shape of base	attenuate	attenuate
<input checked="" type="checkbox"/> Leaf: undulation of the margin	very weak to weak	weak to medium
<input type="checkbox"/> Leaf: presence of variegation	absent	absent

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Nothowlee'	'Craigieburn'
<input checked="" type="checkbox"/> Leaf: degree of anthocyanin colouration in new growth	strong	medium
<input type="checkbox"/> Leaf: upper surface colour - first new fully expanded (RHS colour chart)	brown 200A (close to)	brown 200B - close to
<input checked="" type="checkbox"/> Leaf: lower surface colour - first new fully expanded (RHS colour chart)	greyed-purple 187A	greyed-purple 187C
<input type="checkbox"/> Leaf: upper surface colour - mature (RHS colour chart)	yellow-green 147A	yellow-green 147A
<input type="checkbox"/> Leaf: lower surface colour - mature (RHS colour chart)	yellow-green 147B	yellow-green 147A and greyed-purple 184A
<input checked="" type="checkbox"/> Inflorescence: density of cyme	medium to dense	sparse
<input checked="" type="checkbox"/> Inflorescence: pedicel colour (RHS colour chart)	greyed-purple 187A	greyed-purple 183B
<input type="checkbox"/> Inflorescence: bract colour upper surface (RHS colour chart)	yellow-green 147A	yellow-green 144C
<input checked="" type="checkbox"/> Inflorescence: bract colour lower surface (RHS colour chart)	greyed-purple 187A	yellow-green 144B
<input type="checkbox"/> Inflorescence: cyathium colour (RHS colour chart)	yellow-green 144B	yellow-green 144B

Statistical Table

Organ/Plant Part: Context	'Nothowlee'	'Craigieburn'
<input type="checkbox"/> Leaf: length of blade (mm)		
Mean	75.70	77.80
Std. Deviation	5.54	7.01
LSD/sig	7.53	ns
<input checked="" type="checkbox"/> Leaf: width of blade (mm)		
Mean	15.20	19.00
Std. Deviation	1.14	1.41
LSD/sig	1.25	P≤0.01

Prior Applications and Sales

Country	Year	Current Status	Name Applied
New Zealand	2007	Applied	'Nothowlee'
EU	2004	Granted	'Nothowlee'
USA	2005	Granted	'Nothowlee'

First sold in UK in Mar 2005.

Description: **Steve Eggleton**, Wonga Park, VIC.

Details of Application

Application Number	2008/280
Variety Name	'DrisStrawTwo'
Genus Species	<i>Fragaria xananassa</i>
Common Name	Strawberry
Synonym	Nil
Accepted Date	3 Oct 2008
Applicant	Driscoll Strawberry Associates, Inc., Watsonville, CA, USA
Agent	Phillips Ormonde & Fitzpatrick, Melbourne, VIC
Qualified Person	Margaret Zorin

Details of Comparative Trial

Overseas Testing	US Patent & Trademark Office (USPTO)
Authority	
Overseas Data	PP18878 (Granted June 2008)
Reference Number	
Location	Monterey County California USA and verified Cleveland, QLD Australia 2008.
Descriptor	Strawberry (<i>Fragaria</i>) TG/22/9.
Period	2002-2006
Conditions	Grown under standard full sunlight commercial strawberry production conditions in Monterey County, California USA.
Trial Design	Plants were asexually propagated by stolons in a plant nursery in Shasta County, California USA. Plants of 'DrisStrawTwo', 'Driscoll Camarillo' and 'Driscoll Lanai' were planted in raised beds side by side for comparison in Monterey County, California USA and observations and measurements were made in 2006 harvest season.
Measurements	Observations and measurements were taken in accordance with UPOV Guidelines. This description is in accordance with UPOV terminology. Colour terminology follows the Royal Horticultural Society Colour Chart, London (RHS).
RHS Chart - edition	2001.

Origin and Breeding

The new and distinct strawberry variety 'DrisStrawTwo' originated from a controlled cross pollination between 'Driscoll Camarillo' (US PP14771) as seed parent and 'Driscoll Marin' (US PP15375) as the pollen parent. 'DrisStrawTwo' was asexually propagated and underwent further testing for four years to confirm retention of traits and distinctive characteristics. Breeders: Bruce D. Mowrey, Michael Ferguson, JoAnne Coss, Martin P Madesko and Amado Q Amorao who were and remain employees of Driscoll Strawberry Associates Inc. Watsonville, 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
Plant	vigour	medium
Petiole	attitude of hairs	strongly outwards
Flower	size of calyx	larger
Fruit	colour of flesh	orange red
Terminal leaflet	shape of base	rounded
Primary flower	relative position of petals	overlapping
Fruiting truss	attitude at first picking	prostrate
Fruit	evenness of colour	even
Fruit	glossiness	strong
Fruit	size of calyx in relation to fruit	smaller

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Driscoll Camarillo'	US PP14771 seed parent
'Driscoll Lanai'	US PP15145 variety commonly grown in California USA

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Driscoll Marin'	Plant habit	flat globose	flat	Pollen parent not in comparator trial
'Driscoll Marin'	Plant vigour	medium	weak	US Plant Patent PP15375 is the pollen parent of 'DrisStrawTwo'
'Driscoll Baeza'	Fruit band without achenes	medium	narrow	
'Driscoll Baeza'	Fruit sweetness	medium	strong	

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	'DrisStrawTwo'	'Driscoll Camarillo'	'Driscoll Lanai'
<input checked="" type="checkbox"/> Plant: habit	flat globose	globose	flat
<input checked="" type="checkbox"/> Plant: density	medium to dense		open
<input type="checkbox"/> Plant: vigour	medium	medium	medium
<input checked="" type="checkbox"/> Leaf: colour of upper side	dark green	dark green	medium green
<input checked="" type="checkbox"/> Leaf: shape in cross section	flat	strongly concave to slightly concave	slightly concave to flat

<input checked="" type="checkbox"/>	*Leaf: blistering	strong	strong to very strong	medium
<input checked="" type="checkbox"/>	*Leaf: glossiness	medium	medium to strong	weak
<input checked="" type="checkbox"/>	*Terminal leaflet: length/width ratio	as long as broad	as long as broad	longer than broad
<input type="checkbox"/>	*Terminal leaflet: shape of base	rounded	rounded	rounded
<input checked="" type="checkbox"/>	Terminal leaflet: shape of incisions of margin	serrate		crenate
<input type="checkbox"/>	Petiole: attitude of hairs	strongly outwards	strongly outwards	strongly outwards
<input checked="" type="checkbox"/>	*Stolons: number	medium	medium	many
<input checked="" type="checkbox"/>	Stolon: anthocyanin colouration	strong	medium	strong
<input checked="" type="checkbox"/>	Stolon: pubescence	very weak to weak	medium	strong to very strong
<input checked="" type="checkbox"/>	*Inflorescence: position relative to foliage	above	level with	level with
<input checked="" type="checkbox"/>	Flower: size	medium	medium	large
<input type="checkbox"/>	*Flower: size of calyx	larger	larger	larger
<input type="checkbox"/>	*Primary flower: relative position of petals	overlapping	overlapping	overlapping
<input checked="" type="checkbox"/>	Petal: length/width ratio	as long as broad	longer than broad	broader than long
<input checked="" type="checkbox"/>	*Fruit: ratio of length/width	much longer than broad	slightly longer than broad	much longer than broad
<input type="checkbox"/>	Fruit: size	large	medium to large	large
<input checked="" type="checkbox"/>	*Fruit: predominant shape	conical	cordiform	conical
<input checked="" type="checkbox"/>	Fruit: difference in shapes between primary and secondary fruits	moderate	slight	slight
<input checked="" type="checkbox"/>	Fruit: band without achenes	medium	absent or very narrow	narrow to medium
<input checked="" type="checkbox"/>	Fruit: unevenness of surface	absent or very weak	weak	weak
<input checked="" type="checkbox"/>	*Fruit: colour	red	red	orange red
<input type="checkbox"/>	Fruit: evenness of colour	even	even	even
<input type="checkbox"/>	Fruit: glossiness	strong	strong	strong
<input checked="" type="checkbox"/>	*Fruit: insertion of achenes	level with surface	below surface	level with surface
<input checked="" type="checkbox"/>	Fruit: insertion of calyx	above fruit	with fruit level	with fruit level
<input checked="" type="checkbox"/>	Fruit: attitude of the calyx segments	spreading	reflexed	spreading
<input type="checkbox"/>	Fruit: size of calyx in relation to fruit diameter	slightly smaller	slightly smaller	slightly smaller
<input checked="" type="checkbox"/>	Fruit: adherence of calyx	medium	strong	strong

<input checked="" type="checkbox"/>	Fruit: firmness	firm	firm	medium
<input type="checkbox"/>	Fruit: colour of flesh	orange red	orange red	orange red
<input checked="" type="checkbox"/>	Fruit: hollow centre	absent or very weakly expressed	absent or very weakly expressed	weakly expressed
<input checked="" type="checkbox"/>	Fruit: distribution of red colour of flesh	marginal and central	only marginal	marginal and central
<input checked="" type="checkbox"/>	Time of: ripening	medium	early to medium	medium to late
<input checked="" type="checkbox"/>	*Type of: bearing	day neutral	day neutral	partially remontant

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	DrisStrawTwo	'Driscoll Camarillo'	'Driscoll Lanai'
<input type="checkbox"/> Fruiting truss: attitude at first picking	prostrate	prostrate	prostrate
<input type="checkbox"/> Fruiting truss: length	long	medium	short

Prior Applications and Sales

Country	Year	Current Status	Name Applied
USA	2006	Granted	'DrisStrawTwo'
EU	2007	Applied	'DrisStrawTwo'

First sold in USA in Nov 2005.

Description: **Margaret Zorin** 167 Collingwood Road Birkdale Q415.

Details of Application

Application Number	2008/196
Variety Name	'Q237'
Genus Species	<i>Saccharum</i> hybrid
Common Name	Sugarcane
Synonym	Nil
Accepted Date	4 Sep 2008
Applicant	BSES Limited, Indooroopilly, QLD
Agent	n/A
Qualified Person	George Piperidis

Details of Comparative Trial

Location	Mackay BSES Limited, Mackay, QLD.
Descriptor	Sugarcane (<i>Saccharum</i>) TG/186/2.
Period	Planted 20 Aug 2007; descriptions 24-26 May 2008.
Conditions	Clones were propagated from vegetative cuttings and grown under field conditions. Trial site was disced twice, cross ripped and rotary-hoed. Planting material was generally good. Soil tilth and moisture were good at planting. Soil type: alluvial. Watering regime: flood irrigation and rainfed. Chemicals: the fungicide Tilt was applied at 60ml per hectare at planting. The herbicides VelparK4(3L/ha) and Grammoxone (1.2kg/ha) were applied 17-19 Dec 2007 to control weeds. The insecticide Talstar (375mL/ha) was applied to control wireworms. Fertilisers: GF351 (185 kg/ha) was applied at planting. Total nutrients: Nitrogen 21 kg/ha; Phosphorus 24 kg/ha; Potassium 33 kg/ha, Sulphur 2kg/ha. Topdressed with 400kg/ha GF505. Total nutrients: Nitrogen 26kg/ha, Potassium 18.5 kg/ha.
Trial Design	Randomised Complete Block Design with three replicates. Plots were single row by 10m, with 1.6m 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 biparental cross made by BSES Limited between the seed parent 'Q120' and the pollen parent 'CP57-614'. Seed was collected from the pollinated female inflorescences and stored for germination in 1997. The variety has since been evaluated and selected by BSES in yield trials on the Meringa Sugar Experiment Station and sites within the sugarcane growing area in the Northern region. Standard commercial varieties were also included in the trials for comparative purposes. 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.

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
Node	shape of bud	ovate/rhomboid/oval
Internode	unexposed colour	yellow-green

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Q120'	'Q120' is also the female parent
'Q186'	
'Q231'	

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	'Q237'	'Q120'	'Q186'	'Q231'
<input type="checkbox"/> Plant: stool growth habit	erect to semi-erect	semi-erect	semi-erect	intermediate
<input type="checkbox"/> *Plant: adherence of leaf sheath	medium to strong	medium	weak to medium	medium to strong
<input type="checkbox"/> Plant: tillering	medium	weak	medium	strong
<input type="checkbox"/> Plant: number of suckers	very few	very few	very few	very few
<input type="checkbox"/> Plant: leaf canopy	sparse to medium	sparse to medium	medium	medium
<input type="checkbox"/> *Internode: shape	bobbin-shaped	bobbin-shaped	bobbin-shaped	bobbin-shaped
<input type="checkbox"/> Internode: cross-section	circular	ovate	ovate	ovate
<input type="checkbox"/> *Internode: colour where exposed to sun (RHS colour chart)	yellow-green 152A-B and greyed-orange 174A-D	yellow-green 152B-D and greyed-orange 174A, 177A	greyed-orange 176D	yellow-green 146B-C and greyed-red 178A
<input type="checkbox"/> *Internode: colour where not exposed to sun (RHS colour chart)	yellow-green N144A, 151A-B, 152C-D	yellow-green N144A, 146D, 151A	yellow-green 144A, 146D, 151A	yellow-green N144A and 153A-B
<input type="checkbox"/> Internode: depth of growth crack	absent or very shallow	absent or very shallow	absent or very shallow	absent or very shallow
<input checked="" type="checkbox"/> *Internode: expression of zigzag alignment	weak	strong	moderate	strong
<input type="checkbox"/> Internode: waxiness	medium to strong	medium to strong	medium	medium to strong
<input type="checkbox"/> Node: wax ring	medium	medium	medium	medium
<input type="checkbox"/> *Node: shape of bud	ovate	rhomboid	oval	ovate
<input type="checkbox"/> Node: bud prominence	weak to medium	strong	weak	medium to strong
<input type="checkbox"/> Node: depth of bud groove	shallow	absent or very shallow	shallow	absent or very shallow
<input type="checkbox"/> Node: length of bud groove	short		short	

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

Statistical Table

Organ/Plant Part: Context	'Q237'	'Q120'	'Q186'	'Q231'
<input type="checkbox"/> Culm: height (cm)				
Mean	222.00	232.50	226.41	234.74
Std. Deviation	24.33	23.39	17.08	21.92
LSD/sig	51.91	ns	ns	ns
<input checked="" type="checkbox"/> Internode: length (cm)				
Mean	17.40	17.69	16.99	13.80
Std. Deviation	0.90	1.52	1.47	0.97
LSD/sig	1.4	ns	ns	P≤0.01
<input type="checkbox"/> Internode: diameter (mm)				
Mean	25.64	25.48	25.31	24.35
Std. Deviation	2.04	2.24	1.97	1.83
LSD/sig	2.52	ns	ns	ns

<input type="checkbox"/>	Leaf blade: length (cm)				
	Mean	105.67	122.14	101.67	126.26
	Std. Deviation	17.01	12.84	9.42	12.07
	LSD/sig	25.67	ns	ns	ns
<input checked="" type="checkbox"/>	Leaf blade: width (mm)				
	Mean	42.28	38.24	40.31	31.04
	Std. Deviation	3.42	1.84	3.66	1.76
	LSD/sig	5.27	ns	ns	P≤0.01
<input checked="" type="checkbox"/>	Leaf: midrib width (mm)				
	Mean	2.57	3.08	3.87	3.49
	Std. Deviation	0.58	0.49	0.71	0.66
	LSD/sig	1.04	ns	P≤0.01	ns
<input type="checkbox"/>	Leaf sheath: length (mm)				
	Mean	280.00	267.14	264.67	323.68
	Std. Deviation	10.00	17.82	22.09	27.33
	LSD/sig	40.2	ns	ns	ns
<input type="checkbox"/>	Leaf: ratio leaf blade/midrib width				
	Mean	16.90	12.69	10.67	9.18
	Std. Deviation	3.01	1.72	1.70	1.63
	LSD/sig	4.38	ns	P≤0.01	P≤0.01
<input checked="" type="checkbox"/>	Node: width of bud (mm)				
	Mean	7.66	9.34	6.32	8.88
	Std. Deviation	0.86	1.07	0.88	0.91
	LSD/sig	0.81	P≤0.01	P≤0.01	P≤0.01
<input checked="" type="checkbox"/>	Node: width of root band (mm)				
	Mean	7.84	10.41	8.83	9.90
	Std. Deviation	0.55	1.03	0.75	0.84
	LSD/sig	1.00	P≤0.01	ns	P≤0.01

Prior Applications and Sales

Nil.

Description: **George Piperidis**, BSES Limited, McKay, QLD

Details of Application

Application Number	2008/195
Variety Name	'KQ236'
Genus Species	<i>Saccharum</i> hybrid
Common Name	Sugarcane
Synonym	Nil
Accepted Date	04 Sep 2008
Applicant	BSES Limited, Indooroopilly, QLD and CSR Ltd, Townsville, QLD
Agent	N/A
Qualified Person	George Piperidis

Details of Comparative Trial

Location	Mackay BSES Limited, Mackay, QLD.
Descriptor	Sugarcane (<i>Saccharum</i>) TG/186/2.
Period	Planted 20 Aug 2007; descriptions 24-26 May 2008.
Conditions	Clones were propagated from vegetative cuttings and grown under field conditions. Trial site was disced twice cross ripped and rotary-hoed. Planting material was generally good. Soil tilth and moisture were good at planting. Soil type: alluvial. Watering regime: flood irrigation and rainfed. Chemicals: the fungicide Tilt was applied at 60ml per hectare at planting. The herbicides VelparK4(3L/ha) and Grammoxone(1.2kg/ha) were applied 17-19 Dec 2007 to control weeds. The insecticide Talstar (375mL/ha) was applied to control wireworms. Fertilisers: GF351 (185 kg/ha) was applied at planting. Total nutrients: Nitrogen 21 kg/ha; Phosphorus 24 kg/ha; Potassium 33 kg/ha, Sulphur 2kg/ha. Topdressed with 400kg/ha GF505. Total nutrients: Nitrogen 26kg/ha, Potassium 18.5 kg/ha.
Trial Design	Randomised Complete Block Design with three replicates. Plots were single row by 10m, with 1.6m 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 polycross made by CSR Ltd at Macknade (Ingham), QLD, using 'Q96' as the seed parent. Seed was collected from the pollinated female inflorescence and stored for germination in 1991. The variety has since been evaluated and selected by CSR Ltd in yield trials on the Kalamia Mill field station and sites within the sugarcane growing area in the Burdekin and Herbert regions. Standard commercial varieties were also included in the trials for comparative purposes. Disease resistance screening was conducted at the BSES pathology farm (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.

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
Node	shape of bud	obovate/oval/ovate
Internode	colour where not exposed to sun	yellow-green

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Q120'	
'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	'KQ236'	'Q120'	'Q200'
<input type="checkbox"/> Plant: stool growth habit	semi-prostrate	semi-erect	semi-erect to intermediate
<input type="checkbox"/> *Plant: adherence of leaf sheath	medium to strong	medium	weak
<input type="checkbox"/> Plant: tillering	medium	weak	strong
<input type="checkbox"/> Plant: number of suckers	very few	very few	very few
<input type="checkbox"/> Plant: leaf canopy	sparse to medium	sparse to medium	sparse to medium
<input checked="" type="checkbox"/> *Internode: shape	conoidal	bobbin-shaped	cylindrical
<input type="checkbox"/> Internode: cross-section	ovate	ovate	circular
<input type="checkbox"/> *Internode: colour where exposed to sun (RHS colour chart)	yellow-green 152A-B; greyed-orange 173A, 174A-C; greyed-purple 183A-D	yellow-green 152B-D; greyed-orange 174A & 177A	greyed-orange 177B-C; greyed-purple 183A-D; greyed-brown 199A, N199A-B
<input type="checkbox"/> *Internode: colour where not exposed to sun (RHS colour chart)	yellow-green 151A, 152D, 153A-C	yellow-green N144A, 146D, 151A	yellow-green 144A, 151A, 152D, 153B
<input type="checkbox"/> Internode: depth of growth crack	absent or very shallow	absent or very shallow	absent or very shallow
<input type="checkbox"/> *Internode: expression of zigzag alignment	weak	strong	weak to moderate
<input type="checkbox"/> Internode: waxiness	weak	medium to strong	medium to strong
<input type="checkbox"/> Node: wax ring	medium	medium	medium to wide
<input type="checkbox"/> *Node: shape of bud	oval	obovate	ovate
<input type="checkbox"/> Node: bud prominence	medium	strong	medium
<input type="checkbox"/> Node: depth of bud groove	shallow to medium	absent or very shallow	shallow
<input checked="" type="checkbox"/> Node: length of bud groove	medium to long		medium to long
<input checked="" type="checkbox"/> Node: bud tip in relation to growth ring	intermediate	clearly below	clearly below
<input type="checkbox"/> Node: bud cushion	absent or very narrow	absent or very narrow	absent or very narrow

<input type="checkbox"/>	Node: width of bud wing	narrow to medium	medium	narrow to medium
<input type="checkbox"/>	Leaf sheath: number of hairs	absent or very few	few	medium
<input type="checkbox"/>	Leaf sheath: length of hairs	short	short to medium	short to medium
<input type="checkbox"/>	Leaf sheath: distribution of hairs	only dorsal	only dorsal	only dorsal
<input checked="" type="checkbox"/>	Leaf sheath: shape of ligule	deltoid	crescent-shaped	deltoid
<input type="checkbox"/>	Leaf sheath: ligule width	medium	medium	wide
<input type="checkbox"/>	Leaf sheath: length of ligule hairs	medium	medium	short
<input type="checkbox"/>	Leaf sheath: density of ligule hairs	sparse to medium	sparse to medium	sparse
<input checked="" type="checkbox"/>	Leaf sheath: shape of underlapping auricle	transitional	lanceolate	deltoid
<input type="checkbox"/>	Leaf sheath: size of underlapping auricle	not applicable	medium to large	small
<input type="checkbox"/>	Leaf sheath: shape of overlapping auricle	transitional	transitional	transitional
<input type="checkbox"/>	Leaf sheath: size of overlapping auricle	not applicable	not applicable	not applicable
<input type="checkbox"/>	Leaf blade: curvature	curved tips	curved tips	curved tips
<input type="checkbox"/>	Leaf blade: pubescence on margin	absent or very 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	‘KQ236’	‘Q120’	‘Q200’
<input checked="" type="checkbox"/> Internode: length (cm)			
Mean	14.60	17.69	17.75
Std. Deviation	1.32	1.52	1.43
LSD/sig	1.4	P≤0.01	P≤0.01
<input type="checkbox"/> Internode: diameter (mm)			
Mean	24.97	25.48	22.91
Std. Deviation	3.09	2.24	2.56
LSD/sig	2.52	ns	ns
<input checked="" type="checkbox"/> Node: width of bud (mm)			
Mean	7.70	9.34	6.92
Std. Deviation	0.75	1.07	0.67
LSD/sig	0.81	P≤0.01	ns
<input checked="" type="checkbox"/> Node: width of root band (mm)			
Mean	8.37	10.41	9.47
Std. Deviation	1.19	1.03	0.71
LSD/sig	1.00	P≤0.01	ns

Prior Applications and Sales

Nil.

Description: **George Piperidis**, BSES Limited, McKay, QLD

Details of Application

Application Number	2008/043
Variety Name	'Endeavour'
Genus Species	<i>xTriticosecale</i>
Common Name	Triticale
Synonym	Nil
Accepted Date	11 Mar 2008
Applicant	University of Sydney
Agent	N/A
Qualified Person	Jeremy Roake

Details of Comparative Trial

Location	Plant Breeding Institute, Cobbitty, NSW
Descriptor	Triticale (<i>xTriticosecale</i>) TG/121/3
Period	Winter – spring 2008.
Conditions	The trial was grown at Cobbitty, NSW, under irrigation. It was sown the first week of May in 2008. Granulock 15 was applied at sowing at 120 kg/ha. Urea was applied by hand to the plots at GS41.
Trial Design	3 replicates, 5 m x 5 rows per plot.
Measurements	Measurements were taken on plant height, spike length, length and width of the flag leaf, and on the head colour at GS 71.
RHS Chart - edition	3 rd

Origin and Breeding

The population was made from the cross 80469(II76-24) x II79-39E in 1985. In 2001, the population was identified at Cootamundra as having the highest yield in the trial. It was noted at Cobbitty in 2001 that most of the population was segregating for its disease reaction to stem and leaf rust. In 2002, 400 single plant seedlings were screened for leaf rust, from which 100 single plants that were resistant were transplanted into the field. Further selection for resistance to stem rust was carried out in the field, from which 60 plants were selected that were thought to be resistant. In 2003, 13 populations derived from the single plants were selected on the basis of resistance to a new stripe rust pathotype that entered Australia that year. 50 head selections were taken from each population, and were grown as head rows in 2004. Only three populations were selected for the variety based on uniformity for stem rust resistance and agronomic uniformity. 40 head rows from each line were harvested. These were sown as plots at Narrabri in 2005, and were bulked to form the variety. The line has undergone further seed increase in 2006 and 2007. Propagation was by seed.

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	ploidy	hexaploid
Flag leaf	anthocyanin colouration of auricles	absent or very weak
Ear	distribution of awns	fully awned
Awns above the tip of ear	length	medium
Lower glume	length of first beak	medium
Lower glume	hairiness on external surface	absent
Straw	pith in cross section	thin

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Tobruk'	
'Breakwell'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety
'Jackie'	Flag leaf stripe rust, Jackie pathotype	resistant	very susceptible
'Forerunner'	Plant length	medium	tall
'Pacific Falcon'	Ear emergence	early to medium	very late
'Maiden'	Seedling stripe rust	resistant	very susceptible
'Hillary'	Seedling stripe rust	resistant	very 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	'Endeavour'	'Breakwell'	'Tobruk'
<input type="checkbox"/> *Ploidy:	hexaploid	hexaploid	hexaploid
<input checked="" type="checkbox"/> *Plant: growth habit	semi-erect to intermediate	intermediate	prostrate
<input type="checkbox"/> Plant: frequency of plants with recurved flag leaves	high	high to very high	high
<input type="checkbox"/> Flag leaf: anthocyanin colouration of auricles	absent or very weak	absent or very weak	absent or very weak
<input checked="" type="checkbox"/> *Time of: ear emergence	early to medium	medium to late	early
<input checked="" type="checkbox"/> *Flag leaf: glaucosity of sheath	weak	medium	absent or very weak
<input checked="" type="checkbox"/> Awn: anthocyanin colouration	medium	weak to medium	absent or very weak
<input type="checkbox"/> Anthers: anthocyanin colouration	absent or very weak	absent or very weak	absent or very weak

<input checked="" type="checkbox"/>	Flag leaf: length of blade	long	medium	medium
<input checked="" type="checkbox"/>	Flag leaf: width of blade	medium	medium	narrow
<input type="checkbox"/>	Ear: glaucosity	weak	weak to medium	absent or very weak
<input checked="" type="checkbox"/>	*Stem: density of hairiness of neck	very strong	very strong	weak to medium
<input checked="" type="checkbox"/>	*Plant: length	medium	medium to long	short to medium
<input type="checkbox"/>	*Ear: distribution of awns	fully awned	fully awned	fully awned
<input type="checkbox"/>	*Awns above the tip of ear: length	medium	medium	medium
<input type="checkbox"/>	*Lower glume: length of first beak	medium	medium	medium
<input type="checkbox"/>	Lower glume: size of second beak	absent or very small	absent or very small	absent or very small
<input type="checkbox"/>	*Lower glume: hairiness on external surface	absent	absent	absent
<input type="checkbox"/>	Straw: pith in cross section	thin	thin	thin
<input type="checkbox"/>	Ear: density	very dense	dense	very dense
<input checked="" type="checkbox"/>	Ear: length excluding awns	medium	medium	short to medium
<input type="checkbox"/>	Ear: width in profile view	medium	medium	medium
<input type="checkbox"/>	*Grain: colouration with phenol	light	light	light
<input checked="" type="checkbox"/>	*Seasonal type:	alternative type	alternative type	winter type

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	‘Endeavour’	‘Breakwell’	‘Tobruk’
<input checked="" type="checkbox"/> Flag leaf: Stripe rust - Pathotype 134 E16A+	R	MS-S	R
<input checked="" type="checkbox"/> Flag Leaf: Stripe Rust - 13E16A+J+ (Jackie pathotype)	R	S	R
<input checked="" type="checkbox"/> Seedling leaf: Stripe Rust - 13E16A+J+ (Jackie pathotype)	;cn	3+	3-c
<input checked="" type="checkbox"/> Ear: colour (at GS 71) -RHS	green 137C	green 133C	green 139D

Statistical Table

Organ/Plant Part: Context	‘Endeavour’	‘Breakwell’	‘Tobruk’
<input checked="" type="checkbox"/> Plant: height (cm)			
Mean	116.85	115.20	101.80
Std. Deviation	4.91	5.52	5.56
LSD/sig	5.27	ns	P≤0.01
<input checked="" type="checkbox"/> Ear: length (cm)			
Mean	12.91	13.02	10.90
Std. Deviation	1.11	0.77	0.69

LSD/sig	0.94	ns	P≤0.01
<input checked="" type="checkbox"/> Leaf blade: length (cm)			
Mean	20.24	16.53	15.56
Std. Deviation	3.06	3.14	3.06
LSD/sig	3.17	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Leaf blade: width (cm)			
Mean	1.45	1.57	1.29
Std. Deviation	0.16	0.20	0.10
LSD/sig	0.15	ns	P≤0.01

Prior Applications and Sales

Nil.

Description: **Jeremy Roake**, University of Sydney, Plant Breeding Institute, Cobbitty, NSW.

Details of Application

Application Number	2008/044
Variety Name	'Tobruk'
Genus Species	<i>xTriticosecale</i>
Common Name	Triticale
Synonym	Nil
Accepted Date	11 Mar 2008
Applicant	University of Sydney
Agent	N/A
Qualified Person	Jeremy Roake

Details of Comparative Trial

Location	Plant Breeding Institute, Cobbitty, NSW
Descriptor	Triticale (<i>xTriticosecale</i>) TG/121/3.
Period	Winter – spring 2008.
Conditions	The trial was grown at Cobbitty, NSW, under irrigation. It was sown the first week of May in 2008. Granulock 15 was applied at sowing at 120 kg/ha. Urea was applied by hand to the plots at GS41.
Trial Design	3 replicates, 5 m x 5 rows per plot.
Measurements	Measurements were taken on plant height, spike length, length and width of the flag leaf, and on the head colour at GS 71.
RHS Chart - edition	3 rd

Origin and Breeding

The line was identified from the 8th FWTCL Nursery from CIMMYT in 2000 at PBI, Cobbitty, in which it was resistant to stem, leaf, and stripe rust. Yield testing in a non-replicated trial at Cowra Agricultural Research Centre in 2001 revealed that it was the top yielding line in the trial. This was further confirmed by yield trials in 2002 to 2006 at Cowra and Cootamundra, and in NSW Department of Primary Industry multi-site mixed cereal trials from 2003-2006, in which it was 20% and 30% higher yielding than 'Breakwell' and 'Jackie', respectively. During this time, selections were made from 50 head rows, from which 8 head rows were selected based on their agronomic appearance. 50 single head selections were made within each line and were grown at PBI, Cobbitty, in 2005. Selected rows from each population were harvested grown at Narrabri in 2006, from which lines that had a high proportion of plants with an erect growth habit and were of a spring seasonal type were culled from the population, and those lines with a low proportion of plants with an erect growth habit and spring seasonal type were rogued. The lines were then bulked to produce the variety, as the winter seasonal type is genetically recessive and therefore will remain true to type. Propagation was by seed.

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	ploidy	hexaploid
Flag leaf	anthocyanin colouration of auricles	absent or very weak
Ear	distribution of awns	fully awned
Awns above the tip of ear length		medium
Lower glume	length of first beak	medium
Lower glume	hairiness on external surface	absent
Straw	pith in cross section	thin

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Breakwell'	
'Endeavour'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety
'Jackie'	Flag leaf stripe rust, Jackie pathotype	resistant	very susceptible
'Forerunner'	Plant length	medium	tall
'Pacific Falcon'	Ear emergence	early to medium	very late
'Maiden'	Seedling stripe rust	resistant	very susceptible
'Hillary'	Seedling stripe rust	resistant	very susceptible

Organ/Plant Part: Context	'Tobruk'	'Breakwell'	'Endeavour'
<input type="checkbox"/> *Ploidy:	hexaploid	hexaploid	hexaploid
<input checked="" type="checkbox"/> *Plant: growth habit	prostrate	intermediate	semi-erect to intermediate
<input type="checkbox"/> Plant: frequency of plants with recurved flag leaves	high	high to very high	high
<input type="checkbox"/> Flag leaf: anthocyanin colouration of auricles	absent or very weak	absent or very weak	absent or very weak
<input checked="" type="checkbox"/> *Time of: ear emergence	early	medium to late	early to medium
<input checked="" type="checkbox"/> *Flag leaf: glaucosity of sheath	absent or very weak	medium	weak
<input checked="" type="checkbox"/> Awn: anthocyanin colouration	absent or very weak	weak to medium	medium
<input type="checkbox"/> Anthers: anthocyanin colouration	absent or very weak	absent or very weak	absent or very weak
<input checked="" type="checkbox"/> Flag leaf: length of blade	medium	medium	long

<input checked="" type="checkbox"/>	Flag leaf: width of blade	narrow	medium	medium
<input checked="" type="checkbox"/>	Ear: glaucosity	absent or very weak	weak to medium	weak
<input checked="" type="checkbox"/>	*Stem: density of hairiness of neck	weak to medium	very strong	very strong
<input checked="" type="checkbox"/>	*Plant: length	short to medium	medium to long	medium
<input type="checkbox"/>	*Ear: distribution of awns	fully awned	fully awned	fully awned
<input type="checkbox"/>	*Awns above the tip of ear: length	medium	medium	medium
<input type="checkbox"/>	*Lower glume: length of first beak	medium	medium	medium
<input type="checkbox"/>	Lower glume: size of second beak	absent or very small	absent or very small	absent or very small
<input type="checkbox"/>	*Lower glume: hairiness on external surface	absent	absent	absent
<input type="checkbox"/>	Straw: pith in cross section	thin	thin	thin
<input checked="" type="checkbox"/>	Ear: density	very dense	dense	very dense
<input checked="" type="checkbox"/>	Ear: length excluding awns	short to medium	medium	medium
<input type="checkbox"/>	Ear: width in profile view	medium	medium	medium
<input type="checkbox"/>	*Grain: colouration with phenol	light	light	light
<input checked="" type="checkbox"/>	*Seasonal type:	winter type	alternative type	alternative type

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Tobruk'	'Breakwell'	'Endeavour'
<input checked="" type="checkbox"/> Flag leaf: Stripe rust - Pathotype 134 E16A+	R	MS-S	R
<input checked="" type="checkbox"/> Flag Leaf: Stripe Rust - 13E16A+J+ (Jackie pathotype)	R	S	R
<input checked="" type="checkbox"/> Seedling Leaf: Stripe Rust - 13E16A+J+ (Jackie pathotype)	3-c	3+	;cn
<input checked="" type="checkbox"/> Ear : colour (at GS71)-RHS	Green139D	Green 133C	Green137C

Statistical Table

Organ/Plant Part: Context	'Tobruk'	'Breakwell'	'Endeavour'
<input checked="" type="checkbox"/> Flag Leaf Blade: Width			
Mean	1.29	1.57	1.45
Std. Deviation	0.10	0.20	0.16
LSD/sig	0.15	P<0.01	P<0.01
<input checked="" type="checkbox"/> Plant : Height			
Mean	101.80	115.23	116.85
Std. Deviation	5.56	5.52	4.91

LSD/sig	5.27	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Ear: Length			
Mean	10.90	13.02	12.91
Std. Deviation	0.69	0.77	1.11
LSD/sig	0.94	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Flag Leaf Blade: Length			
Mean	15.56	16.53	20.24
Std. Deviation	2.98	3.14	3.06
LSD/sig	3.06	ns	P≤0.01

Prior Applications and Sales

Nil.

Description: **Jeremy Roake**, University of Sydney, Plant Breeding Institute, Cobbitty, NSW.

Details of Application

Application Number	2008/325
Variety Name	'Gascoigne'
Genus Species	<i>Triticum aestivum</i>
Common Name	Wheat
Synonym	Nil
Accepted Date	15 Dec 2008
Applicant	HRZ Wheat Pty Ltd, Black Mountain, ACT
Agent	N/A
Qualified Person	Ross Downes

Details of Comparative Trial

Location	Ginninderra Research Station, Canberra ACT.
Descriptor	Wheat (<i>Triticum aestivum</i>) TG/3/11
Period	Aug to Dec 2008.
Conditions	Rainfall supplement with irrigation.
Trial Design	Randomised block of 5 metre plots, two replications including 2 generations of 'Gascoigne'.
Measurements	Oct to Dec 2008.
RHS Chart - edition	N/A

Origin and Breeding

Head row selection: selected for white grains from a population segregating for red and white grains. The initial crosses were made in South Africa. This variety was trialled by NZ Crop and Food before it was brought to Australia. Received as an F₄ line from SGI in 2000 and assessed as 2m 2 row plot in Lincoln. Harvested grain segregating for red and white grains. Hand picked out white grain and sown as another 2 row plot in 2001. In 2002 heads taken from plot and seed from each checked for white grains. Whites were bulked and seed sent to Canberra in 2002 as F₆ seed. 5m single row was sown in Canberra in 2002 and harvested in bulk. This material became the source for all subsequent yield and disease testing. Selection criteria: plant type, disease resistance, grain colour. Breeder: HRZ Wheat Pty Ltd.

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	frequency of plants with recurved flag leaves	absent or very low
Flag leaf	glaucosity of sheath	medium
Ear	glaucosity	medium
Culm	glaucosity of neck	medium
Awns or scurs	presence	awns present
Awns of scurs at tip of ear	length	long
Ear	colour	white
Lower glume	shoulder shape	sloping to slightly sloping
Grain	colour	white
Plant	seasonal type	spring type

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Drysdale'	
'Janz'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Sunvale'	VPM source of stripe rust <i>Yr17</i>	absent	present	'Sunvale' flowers 1 week after the candidate 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	'Gascoigne'	'Drysdale'	'Janz'
<input type="checkbox"/> *Plant: growth habit	semi-erect	erect	semi-erect
<input checked="" type="checkbox"/> Flag leaf: anthocyanin colouration of auricles	medium	very weak to weak	absent or very weak
<input type="checkbox"/> Plant: frequency of plants with recurved flag leaves	absent or very low	absent or very low	absent or very low
<input checked="" type="checkbox"/> *Time of: ear emergence	early to medium	very early	medium
<input type="checkbox"/> *Flag leaf: glaucosity of sheath	medium	medium	medium
<input type="checkbox"/> *Ear: glaucosity	medium	medium	medium
<input type="checkbox"/> Culm: glaucosity of neck	medium	medium	medium
<input checked="" type="checkbox"/> *Plant: length	medium	long	short
<input checked="" type="checkbox"/> *Straw: pith in cross section	thin	thin	medium
<input checked="" type="checkbox"/> *Ear: shape in profile	parallel sided	semi-clavate	semi-clavate
<input checked="" type="checkbox"/> *Ear: density	medium	medium	dense
<input checked="" type="checkbox"/> Ear: length	long	long	very short to short
<input type="checkbox"/> *Awns or scurs: presence	awns present	awns present	awns present
<input type="checkbox"/> *Awns of scurs at tip of ear: length	long	long	long
<input type="checkbox"/> *Ear: colour	white	white	white
<input type="checkbox"/> Apical rachis segment: hairiness of convex surface	weak	weak	weak
<input checked="" type="checkbox"/> Lower glume: shoulder width	narrow	medium	narrow
<input type="checkbox"/> Lower glume: shoulder shape	sloping to slightly sloping	sloping to slightly sloping	sloping to slightly sloping
<input checked="" type="checkbox"/> Lower glume: beak length	long	short to medium	short to medium
<input checked="" type="checkbox"/> Lower glume: beak shape	moderately curved	slightly curved	slightly curved

<input type="checkbox"/>	Lower glume: extent of internal hair	weak	weak	weak
<input type="checkbox"/>	Lowest lemma: beak shape	straight	straight	straight
<input type="checkbox"/>	*Grain: colour	white	white	white
<input type="checkbox"/>	*Seasonal type:	spring type	spring type	spring type
<input checked="" type="checkbox"/>	Glutenin composition: allele expression at locus Glu-A1	band 2		band 1
<input checked="" type="checkbox"/>	Glutenin composition: allele expression at locus Glu-B1	bands 17+18		bands 7+8
<input checked="" type="checkbox"/>	Glutenin composition: allele expression at locus Glu-D1	bands 5+10		bands 2+12

Statistical Table

Organ/Plant Part: Context	'Gascoigne'	'Drysdale'	'Janz'
<input checked="" type="checkbox"/> Ear: length (mm)			
Mean	97.40	96.00	71.60
Std. Deviation	6.90	7.60	7.90
LSD/sig	7.4	ns	P≤0.01
<input checked="" type="checkbox"/> Plant: length (cm)			
Mean	52.10	58.60	45.80
Std. Deviation	2.60	2.70	3.70
LSD/sig	3.1	P≤0.01	P≤0.01

Prior Applications and Sales

Nil.

Description: **Ross Downes**, Moruya, NSW.

Details of Application

Application Number	2007/304
Variety Name	'EGA Stampede'
Genus Species	<i>Triticum aestivum</i>
Common Name	Wheat
Synonym	Nil
Accepted Date	21 Dec 2007
Applicant	State of Queensland through its Department of Primary Industries & Fisheries, Department of Primary Industries for and on behalf of the State of New South Wales, The University of Queensland, Grains Research and Development Corporation
Agent	N/A
Qualified Person	Anthony Done

Details of Comparative Trial

Location	Leslie Research Centre, Toowoomba, QLD 4350.
Descriptor	Wheat (<i>Triticum aestivum</i>) TG/3/11.
Period	Jul – Nov 2008.
Conditions	Irrigated and fertilised open soil beds.
Trial Design	Randomised block with six replications. Each plot consisted of a single 2m row with approximately 60 plants per plot. Row spacing was 75cm.
Measurements	Plant height, including awns, was measured at two places in each plot in each of three replications. All other metric characters, ear melanism and straw pith thickness were measured on a sample of five ears or flag leaves from each of the six replications. Standard deviation was estimated for each plot separately and the average of these is quoted. Statistical analyses were done on the sample means from each plot. Non-metric characters were estimated on whole plots or individual plants as indicated in the Guidelines. Flag leaf width was measured approximately 4cm from the auricle. Stripe rust was assessed on whole plots, on the basis of 0=absent to 9 = very severe. Ear melanism was also scored on this scale.
RHS Chart - edition	N/A

Origin and Breeding

Controlled pollination: the ten parental lines (listed as varieties of common knowledge) were crossed in a half diallel in 1995 at Leslie Research Centre, resulting in 45 crosses. These F₁s were then randomly mated in 1996 to produce an S₀ generation of approximately 10 thousand plants. Of these S₀ plants, 800 were selected and grown as individual plots in S₁ (1997-97/98). The bulks from the S₁ plots were grown and field tested for yield and other characters in a range of environments in S₂ and S₃ (1998-99). On the basis of the results of field testing, single plants were selected from the S₃ plots at Kingsthorpe. These single plant selections were then transferred to the DPI&F testing program and were grown at Wellcamp Farm as plots in 2000. Bulks derived from the 2000 Wellcamp plots were grown in yield trials at various location in 2002-7. On the basis of the results from the yield trials and the 2005 Disease Progress Nursery of the National Cereal Rust Control program, 'QT11869' was selected as a bulk descended from a single S₃ plant. 'QT11869' was renamed 'EGA Stampede' in 2007. Breeders: Dr Mark Cooper, Dr Martin Fabrizio and Dr Nicole Jensen, University of Queensland, and Mr Wayne Crighton, State of Queensland through its Department of Primary Industries & Fisheries.

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 presence	present
Plant	seasonal type	spring
Plant	maturity	early
Plant	height	medium
Leaf	auricle anthocyanin	absent or very weak

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'11 IBWSN 50'	
'Seri M82'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Sunpict'	Plant height	medium	short	There were also differences in flag leaf blade glaucosity, growth habit, ear glaucosity and ear maturity colour.
'Genaro T81'	Flag leaf glaucosity blade	weak	strong	There were also differences in growth habit, and amount of stripe rust.
'Batavia'	Flag leaf auricle anthocyanin	absent or very weak	strong	There were also differences in growth habit, growth stage at heading and plant height.
'Hartog'	Flag leaf glaucosity blade	weak	strong	There were also differences in growth stage at heading and amount of stripe rust.
'SUN290B'	Plant height	medium	short	There were also differences in flag leaf blade glaucosity, amount of stripe rust and culm glaucosity.
'Janz'	Plant growth stage at heading	early	late	There were also differences in amount of stripe rust, growth habit, and plant height.
'Sunvale'	Plant growth stage	early	late	There were also

	at heading		differences in growth habit and plant height.
'QT4646'	Flag leaf glaucosity weak blade	medium to strong	There were also differences in growth stage at heading, growth habit and amount of stripe rust.

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	'EGA Stampede'	'11 IBWSN 50'	'Seri M82'
<input checked="" type="checkbox"/> *Plant: growth habit	semi-erect	intermediate	intermediate
<input type="checkbox"/> Flag leaf: anthocyanin colouration of auricles	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/> Plant: frequency of plants with recurved flag leaves	high	high	high
<input checked="" type="checkbox"/> *Time of: ear emergence	early	early	early to medium
<input type="checkbox"/> *Flag leaf: glaucosity of sheath	medium	strong	strong
<input checked="" type="checkbox"/> *Ear: glaucosity	weak to medium	weak to medium	strong
<input checked="" type="checkbox"/> Culm: glaucosity of neck	weak	strong	medium
<input type="checkbox"/> *Plant: length	medium	medium	medium
<input type="checkbox"/> *Straw: pith in cross section	thin	thin	thin
<input type="checkbox"/> *Ear: shape in profile	tapering	tapering	tapering
<input type="checkbox"/> *Ear: density	medium	lax to medium	medium
<input type="checkbox"/> Ear: length	medium	medium to long	medium
<input type="checkbox"/> *Awns or scurs: presence	awns present	awns present	awns present
<input type="checkbox"/> *Awns of scurs at tip of ear: length	medium	medium	medium
<input checked="" type="checkbox"/> *Ear: colour	white	coloured	white
<input type="checkbox"/> *Grain: colour	white		white
<input type="checkbox"/> *Seasonal type:	spring type	spring type	spring type

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'EGA Stampede'	'11 IBWSN 50'	'Seri M82'
<input checked="" type="checkbox"/> Ear: melanism	medium	weak	absent or very weak
<input checked="" type="checkbox"/> Leaf: stripe rust, LRC, 98 days after planting	absent	slight	absent
<input checked="" type="checkbox"/> Plant: growth stage, 85 days after planting	57	55	54
<input checked="" type="checkbox"/> Flag leaf blade: glaucosity	weak	strong	medium

Statistical Table

Organ/Plant Part: Context	'EGA Stampede'	'11 IBWSN 50'	'Seri M82'
<input type="checkbox"/> Plant: height (cm)			
Mean	96	98.	93.
Std. Deviation	1.7	1.2	0.7
LSD/sig	3.8	ns	ns
<input checked="" type="checkbox"/> Ear: length (mm)			
Mean	95.0	112.9	105.0
Std. Deviation	4.6	4.7	5.2
LSD/sig	4.6	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Awn: length at ear tip (mm)			
Mean	49.1	57.0	40.1
Std. Deviation	4.9	4.7	8.1
LSD/sig	5.2	P≤0.01	P≤0.01
<input type="checkbox"/> Lower glume beak: length (mm)			
Mean	5.27	5.44	4.93
Std. Deviation	0.74	0.71	0.87
LSD/sig	0.88	ns	ns
<input checked="" type="checkbox"/> Flag leaf: width of blade (mm)			
Mean	15.6		17.5
Std. Deviation	1.16		0.15
LSD/sig	0.60		P≤0.01
<input type="checkbox"/> Ear: internode length (mm)			
Mean	4.78	5.78	4.70
Std. Deviation	0.13	0.20	0.15
LSD/sig	0.62	P≤0.01	ns

Prior Applications and Sales

Nil.

Description: **Dr. Tony Done**, Leslie Research Centre, Toowoomba, QLD.

Details of Application

Application Number	2007/303
Variety Name	'EGA Bounty'
Genus Species	<i>Triticum aestivum</i>
Common Name	Wheat
Synonym	Nil
Accepted Date	21 Dec 2007
Applicant	State of Queensland through its Department of Primary Industries & Fisheries, Department of Primary Industries for and on behalf of the State of New South Wales and Grains Research and Development Corporation
Agent	N/A
Qualified Person	Tony Done

Details of Comparative Trial

Location	Leslie Research Centre, Toowoomba, QLD 4350.
Descriptor	Wheat (<i>Triticum aestivum</i>) TG/3/11.
Period	Jul to Nov 2008.
Conditions	Irrigated and fertilised open soil beds.
Trial Design	Randomised block with six replications. Each plot consisted of a single 2m row with approximately 60 plants per plot. Row spacing was 75 cm.
Measurements	Plant height, including awns, was measured at two places in each plot in each of three replications. All other metric characters, and straw pith thickness and melanism, were measured on a sample of five ears from each of the six replications. Standard deviation was estimated for each plot separately and the average of these is quoted. Statistical analyses were done on the sample means from each plot. Non-metric characters were estimated on whole plots or individual plants as indicated in the Guidelines. Stripe rust was assessed on whole plots on the basis of 0=absent to 9 = very severe.
RHS Chart - edition	N/A

Origin and Breeding

Controlled pollination: 'Batavia' was crossed to 'QT5793' in 1993, and 'QT5793' was crossed to the resulting F₁ in 1994. The F₁ was grown at Leslie Research Centre (LRC, then the Queensland Wheat Research Institute, QWRI) in 1995, and the BC₁F₂ and BC₁F₃ selections were grown at Wellcamp Farm in 1996 and 1998 respectively. Yield trials were grown from the BC₁F₃ selections in various locations in the Northern wheat growing region of Australia in 1999 – 2001. Single plant selections from the BC₁F₃ were grown as BC₁F₄ plots at Wellcamp farm in 1999, and single plant selections from these were grown from these as BC₁F₅ plots in 2001. On the basis of the results from yield trials, various pathology tests conducted by LRC, and the 2005 Disease Progress Nursery of the National Cereal Rust Control program, 'QT12136' was selected as a bulk descended from a single BC₁F₄ plant. 'QT12136' was grown in northern region yield trials in 2001-2007, and was renamed 'EGA Bounty' in 2007. 'EGA Bounty' has better resistance to stripe rust than 'QT5793', and had different time to flowering than either of its parents in the comparative trial, being earlier than 'Batavia' and later than 'QT5793'. Breeder: Dr Phillip Banks, State of Queensland through its Department of Primary Industries & Fisheries.

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
Straw	pith in cross-section	thin
Ear	awns presence	present
Plant	seasonal type	spring
Ear	colour	white
Plant	maturity	medium to late
Plant	height	medium
Leaf	auricle anthocyanin	absent or very weak

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Rees'	
'EGA Burke'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Ventura'	Plant time to flowering	medium	early	There were also differences in ear glaucosity and amount of stripe rust.
'Giles'	Plant height	medium	short	There were also differences in leaf blade glaucosity and amount of stripe rust.
'EGA Wylie'	Plant height	medium	short	There were also differences in leaf blade glaucosity and amount of stripe rust.
'Batavia'	Auricles anthocyanin	absent or very weak	strong	There were also differences in time to flowering and leaf blade glaucosity.
'QT5793'	Plant time to flowering	medium	early	There were also differences in amount of stripe rust.

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	'EGA Bounty'	'EGA Burke'	'Rees'
<input type="checkbox"/> *Plant: growth habit	intermediate to semi-prostrate	intermediate	intermediate
<input type="checkbox"/> Flag leaf: anthocyanin colouration of auricles	absent or very weak	absent or very weak	absent or very weak
<input checked="" type="checkbox"/> Plant: frequency of plants with recurved	high	low to medium	high

flag leaves

<input type="checkbox"/>	*Time of: ear emergence	medium to late	medium to late	medium to late
<input checked="" type="checkbox"/>	*Flag leaf: glaucosity of sheath	strong	medium to strong	medium
<input type="checkbox"/>	*Ear: glaucosity	medium	medium	medium
<input type="checkbox"/>	Culm: glaucosity of neck	weak to medium	weak to medium	weak to medium
<input type="checkbox"/>	*Plant: length	medium	medium	medium
<input type="checkbox"/>	*Straw: pith in cross section	thin	thin	thin
<input type="checkbox"/>	*Ear: shape in profile	tapering	tapering	parallel sided
<input type="checkbox"/>	*Ear: density	medium	medium	medium
<input type="checkbox"/>	Ear: length	medium	medium	medium
<input type="checkbox"/>	*Awns or scurs: presence	awns present	awns present	awns present
<input type="checkbox"/>	*Awns of scurs at tip of ear: length	medium	medium	medium
<input type="checkbox"/>	*Ear: colour	white	white	white
<input type="checkbox"/>	*Grain: colour	white	white	white
<input type="checkbox"/>	*Seasonal type:	spring type	spring type	spring type

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'EGA Bounty'	'EGA Burke'	'Rees'
<input checked="" type="checkbox"/> Ear: melanism	weak	weak to medium	weak to medium
<input checked="" type="checkbox"/> Leaf: stripe rust, LRC, 98 days after planting	absent	slight	slight
<input type="checkbox"/> Plant: growth stage, 85 days after planting	51	50	52
<input type="checkbox"/> Flag leaf blade: glaucosity	strong	medium	strong

Statistical Table

Organ/Plant Part: Context	'EGA Bounty'	'EGA Burke'	'Rees'
<input type="checkbox"/> Awn: length at ear tip (mm)			
Mean	54.0	53.7	56.6
Std. Deviation	4.6	4.7	3.6
LSD/sig	5.2	ns	ns
<input type="checkbox"/> Ear: length (mm)			
Mean	105	108	107
Std. Deviation	3.9	5.3	5.2
LSD/sig	4.6	ns	ns
<input type="checkbox"/> Plant: height (cm)			
Mean	102	104	102
Std. Deviation	0.3	1.0	1.8
LSD/sig	3.8	ns	ns

☐ Lower glume beak: length (mm)			
Mean	2.50	2.47	2.13
Std. Deviation	0.98	0.61	0.73
LSD/sig	0.88	ns	ns
☐ Ear: internode length (mm)			
Mean	5.02	4.94	5.05
Std. Deviation	0.12	0.16	0.16
LSD/sig	0.18	ns	ns

Prior Applications and Sales

Nil.

Description: **Dr. Tony Done**, Leslie Research Centre, Toowoomba, QLD

Details of Application

Application Number	2008/029
Variety Name	'ZEBU'
Genus Species	<i>Triticum aestivum</i>
Common Name	Wheat
Synonym	Nil
Accepted Date	20 Jun 2008
Applicant	Australian Grain Technologies Pty Ltd, Glen Osmond, SA
Agent	N/A
Qualified Person	Gil Hollamby

Details of Comparative Trial

Location	Roseworthy and Mintaro, South Australia.
Descriptor	Wheat (<i>Triticum aestivum</i>) TG/3/11.
Period	2008.
Conditions	The comparative trial at Roseworthy was sown on 23 May (optimum sowing time) into Clearfield Canola stubble at approximately 80kg seed per hectare and with 90kg/ha of DAP fertilizer. The day before weeds and pests were controlled with 1.3L Glyphosate, 75ml Hammer™, 100ml Dimethoate and 2.5L Boxer Gold™ per hectare. Broadside™ at 1L/ha was sprayed on the growing plots on 18th Jul to control in-crop weeds and in Aug 9L/ha of lig-nit™ was sprayed on as a foliar nutrient application. Plots grew well with no disease problems and up until just before heading promised above average yields. However in Sep and Oct there was virtually no useful rain so grain fill was impaired, and grain harvested on 19th Dec had low test weights. An identical trial was planted at Mintaro, again on Clearfield canola stubble. Preseeding weed control involved 1L glyphosate and 1.2L Trifluralin per hectare. Sowing time, 16th Jun, was later than optimal and emergence and growth was slow due to cold weather, so plots were heading during the drought period of Oct having already existed on little rain in Sep, and head tipping occurred in some plots. Leaf measurements were made at this site and the trial was then abandoned.
Trial Design	Randomised block design of 3 blocks and 60 entries consisting of comparators and potential candidates. Sown in 12 ranges of 15 plots wide, block 1 being in ranges 1 to 4 and so on. Plots were 1.25m wide (5 rows) and 3.2m long. There were approx. 1000 plants per plot.
Measurements	Leaf measurements and observations were recorded on plant samples taken from the Mintaro trial. At anthesis 5 primary tillers were sampled from each plot in each replicate and flag leaf measurements made. All other measurements, including heading dates, glaucosity and leaf angle were made on plots and plant samples taken from the Roseworthy trial. After maturity plant heights to the top of the awns were recorded at 10 random locations in each replicate. Ten heads were also sampled at random from each plot for head descriptions and measurements. Measurements were performed on 10 intact heads per block. Statistical analyses were completed using GENSTAT software.
RHS Chart - edition	Nil

Origin and Breeding

Controlled pollination: The pedigree is CGS94Y00005S/SUPER KAUZ. The selection history indicates that the cross was designated CM67458 and material was selected as homozygous for the dwarfing gene Rht1 on the basis of plant height and bulked to form KAUZ DWARF. This line was entered by CIMMYT into its International Adaptation trial, a trial planted in many countries of the world, as a line with high yield potential. On the basis of its performance in these trials in NSW it was entered into feed wheat trials on the Lincoln Plains, northern NSW, where it has performed very well since 2003. Permission has been sought and granted from CIMMYT to release this line. Breeder: CIMMYT. Mexico.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	growth habit	semi-erect/erect to semi-erect
Flag leaf	anthocyanin colouration of auricles	absent (white)
Flag leaf	glaucosity of sheath	medium to strong/medium
Ear	colour	white
Ear	distribution of awns	fully awned
Ear	shape in profile	tapering
Grain	colour	white
Plant	seasonal type	spring type

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'H45'	widely grown where 'Zebu' will be adopted.

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Super Kauz'	Plant height	short	tall	Parental 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	'ZEBU'	'H45'
<input type="checkbox"/> *Plant: growth habit	semi-erect	erect to semi-erect
<input type="checkbox"/> Flag leaf: anthocyanin colouration of auricles	absent or very weak	absent or very weak
<input checked="" type="checkbox"/> Plant: frequency of plants with recurved flag leaves	very high	high
<input checked="" type="checkbox"/> *Time of: ear emergence	medium	very early
<input type="checkbox"/> *Flag leaf: glaucosity of sheath	medium to strong	medium
<input checked="" type="checkbox"/> *Ear: glaucosity	medium to strong	weak to medium
<input checked="" type="checkbox"/> Culm: glaucosity of neck	strong	weak to medium

<input type="checkbox"/>	*Plant: length	medium to long	long
<input type="checkbox"/>	*Straw: pith in cross section	thin	thin to medium
<input type="checkbox"/>	*Ear: shape in profile	tapering	tapering
<input checked="" type="checkbox"/>	*Ear: density	very dense	lax
<input type="checkbox"/>	*Awns or scurs: presence	awns present	awns present
<input type="checkbox"/>	*Awns of scurs at tip of ear: length	medium	medium
<input type="checkbox"/>	*Ear: colour	white	white
<input checked="" type="checkbox"/>	Lower glume: shoulder width	medium	narrow
<input checked="" type="checkbox"/>	Lower glume: shoulder shape	elevated to strongly elevated	straight
<input checked="" type="checkbox"/>	Lower glume: beak length	medium	very short to short
<input type="checkbox"/>	Lower glume: beak shape	slightly curved	slightly curved
<input type="checkbox"/>	Lower glume: extent of internal hair	weak	very weak to weak
<input type="checkbox"/>	Lowest lemma: beak shape	straight	straight
<input type="checkbox"/>	*Grain: colour	white	white
<input type="checkbox"/>	*Seasonal type:	spring type	spring type

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	‘ZEBU’	‘H45’
<input checked="" type="checkbox"/> Awns: angle to rachis	near 90 degrees	variable less than 45 degrees
<input checked="" type="checkbox"/> Whole plant post anthesis: stem rust reaction	resistant	moderately susceptible
<input type="checkbox"/> Glutenin composition: allele expression at GluA3	c	c
<input checked="" type="checkbox"/> Glutenin composition: allele expression at GluA1	b	a
<input type="checkbox"/> Glutenin composition: allele expression at GluD1	d	d
<input checked="" type="checkbox"/> Glutenin composition: allele expression at GluB3	1B1R	h
<input checked="" type="checkbox"/> Glutenin composition: allele expression at GluD3	b	c
<input checked="" type="checkbox"/> Glutenin composition: allele expression at GluB1	c	u

Statistical Table

Organ/Plant Part: Context	‘ZEBU’	‘H45’
<input checked="" type="checkbox"/> Ear: date of emergence from boot (Julian days)		
Mean	262.60	254.70
Std. Deviation	0.30	0.58
LSD/sig	2.3	P≤0.01
<input type="checkbox"/> Flag leaf: blade length (mm)		
Mean	156.20	182.00
Std. Deviation	19.20	25.90
LSD/sig	38.6	ns

<input type="checkbox"/>	Flag leaf: blade width (mm)		
	Mean	14.30	13.40
	Std. Deviation	0.90	1.20
	LSD/sig	2.4	ns
<input type="checkbox"/>	Ear: Length without awns (mm)		
	Mean	108.70	114.90
	Std. Deviation	6.40	7.30
	LSD/sig	10.4	ns
<input type="checkbox"/>	Peduncle : length (mm)		
	Mean	230.00	313.00
	Std. Deviation	28.10	9.60
	LSD/sig	35.0	P≤0.01
<input checked="" type="checkbox"/>	Ear: spikelet number		
	Mean	21.00	18.70
	Std. Deviation	0.90	1.00
	LSD/sig	1.2	P≤0.01
<input checked="" type="checkbox"/>	Ear: density, rachis internode (mm)		
	Mean	4.74	5.74
	Std. Deviation	0.22	0.24
	LSD/sig	0.31	P≤0.01
<input checked="" type="checkbox"/>	Plant: height with awns (cm)		
	Mean	87.10	96.10
	Std. Deviation	3.60	3.30
	LSD/sig	4.2	P≤0.01
<input type="checkbox"/>	Flag leaf: sheath length (mm)		
	Mean	193.70	177.20
	Std. Deviation	12.70	37.50
	LSD/sig	26.1	ns

Prior Applications and Sales

Nil.

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

Details of Application

Application Number	2008/326
Variety Name	'Preston'
Genus Species	<i>Triticum aestivum</i>
Common Name	Wheat
Synonym	Nil
Accepted Date	15 Dec 2008
Applicant	HRZ Wheat Pty Ltd, Black Mountain, ACT
Agent	N/A
Qualified Person	Ross Downes

Details of Comparative Trial

Location	Ginninderra Research Station, Canberra ACT.
Descriptor	Wheat (<i>Triticum aestivum</i>) TG/3/11.
Period	Aug to Dec 2008.
Conditions	Rainfall supplemented with irrigation.
Trial Design	Randomised block of 5 metre plots, two replications including 2 generations of 'Preston'.
Measurements	Oct to Dec 2008.
RHS Chart - edition	N/A

Origin and Breeding

Controlled pollination: Brimstone*2/Hartog//3424.11.04.1. This was released in NZ under the name 'Tribute'. The cross was made in 1997, F₁-F₃ grown in glasshouse. F₄-F₆ generations selected in field on disease and plant type. Commenced yield trials in 2002. Heads selected and sent to Australia. Material advanced a further generations and yield tested in Australia for 4 years. Selection criteria: plant type, disease resistance, yield. Breeder: HRZ Wheat Pty Ltd.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	growth habit	semi-erect
Plant	frequency of plants with recurved flag leaves	absent or very low
Ear	glaucosity	strong
Culm	glaucosity of neck	strong
Ear	density	medium
Awns or scurs	presence	awns present
Awns of scurs at tip of ear	length	medium to long
Lowest lemma	beak shape	straight
Ear	colour	white
Grain	colour	white
Plant	seasonal type	spring type

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Yipti'	
'EGA Wedgetail'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristic	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Chara'	Ear density	medium	lax	
'Janz'	Ear glaucosity	strong	medium	
'Sunvale'	VPM source of stripe rust <i>Yr17</i>	absent	present	
'Drysdale'	Flowering time	later	earlier	Candidate flowers 1 week after candidate

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	'Preston'	'EGA Wedgetail'	'Yipti'
<input type="checkbox"/> *Plant: growth habit	semi-erect	semi-erect	semi-erect
<input checked="" type="checkbox"/> Flag leaf: anthocyanin colouration of auricles	absent or very weak	medium	medium
<input type="checkbox"/> Plant: frequency of plants with recurved flag leaves	absent or very low	absent or very low	absent or very low
<input checked="" type="checkbox"/> *Time of: ear emergence	medium	late	early
<input type="checkbox"/> *Flag leaf: glaucosity of sheath	medium	strong	medium
<input type="checkbox"/> *Ear: glaucosity	strong	strong	strong
<input type="checkbox"/> Culm: glaucosity of neck	strong	strong	strong
<input checked="" type="checkbox"/> *Plant: length	short	short to medium	medium to long
<input type="checkbox"/> *Straw: pith in cross section	thin	thin to medium	thin
<input checked="" type="checkbox"/> *Ear: shape in profile	parallel sided	fusiform	parallel sided
<input type="checkbox"/> *Ear: density	medium	medium	medium
<input type="checkbox"/> Ear: length	medium to long	medium	medium
<input type="checkbox"/> *Awns or scurs: presence	awns present	awns present	awns present
<input type="checkbox"/> *Awns of scurs at tip of ear: length	medium to long	medium to long	medium to long
<input type="checkbox"/> *Ear: colour	white	white	white
<input type="checkbox"/> Apical rachis segment: hairiness of convex surface	weak	weak	weak
<input checked="" type="checkbox"/> Lower glume: shoulder width	medium	medium	broad
<input checked="" type="checkbox"/> Lower glume: shoulder shape	slightly sloping	slightly sloping	straight
<input checked="" type="checkbox"/> Lower glume: beak shape	slightly curved	moderately curved	straight
<input type="checkbox"/> Lower glume: extent of internal hair	weak	weak	weak
<input type="checkbox"/> Lowest lemma: beak shape	straight	straight	straight
<input type="checkbox"/> *Grain: colour	white	white	white

<input type="checkbox"/>	*Seasonal type:	spring type	spring type	spring type
<input type="checkbox"/>	Glutenin composition: allele expression at locus Glu-A1	band 1		band 1
<input checked="" type="checkbox"/>	Glutenin composition: allele expression at locus Glu-B1	bands 6+8		bands 7+8
<input checked="" type="checkbox"/>	Glutenin composition: allele expression at locus Glu-D1	bands 2+12		bands 5+10

Statistical Table

Organ/Plant Part: Context	'Preston'	'EGA Wedgetail'	'Yipti'
<input type="checkbox"/> Ear: length (mm)			
Mean	89.30	82.10	84.80
Std. Deviation	7.10	10.00	6.70
LSD/sig	8.5	ns	ns
<input checked="" type="checkbox"/> Plant: length (cm)			
Mean	45.60	49.30	55.80
Std. Deviation	4.10	4.70	3.80
LSD/sig	4.3	ns	P≤0.01

Prior Applications and Sales

Country	Year	Current Status	Name Applied
New Zealand	2004	Granted	'CRAW128'

Prior sale nil.

Description: **Ross Downes**, Moruya, NSW.

Details of Application

Application Number	2008/199
Variety Name	'Fang'
Genus Species	<i>Triticum aestivum</i>
Common Name	Wheat
Synonym	Nil
Accepted Date	18 Aug 2008
Applicant	Australian Grain Technologies Pty Ltd, Glen Osmond, SA
Agent	N/A
Qualified Person	Gil Hollamby

Details of Comparative Trial

Location	Roseworthy and Mintaro, South Australia.
Descriptor	Wheat (<i>Triticum aestivum</i>) TG/3/11.
Period	2008.
Conditions	The comparative trial at Roseworthy was sown on 23 May (optimum sowing time) into Clearfield Canola stubble at approximately 80kg seed per hectare and with 90kg/ha of DAP fertilizer. The day before weeds and pests were controlled with 1.3L Glyphosate, 75ml Hammer™, 100ml Dimethoate and 2.5L Boxer Gold™ per hectare. Broadside™ at 1L/ha was sprayed on the growing plots on 18th July to control in-crop weeds and in August 9L/ha of lig-nit™ was sprayed on as a foliar nutrient application. Plots grew well with no disease problems and up until just before heading promised above average yields. However in Sep and Oct there was virtually no useful rain so grain fill was impaired, and grain harvested on 19 Dec had low test weights. An identical trial was planted at Mintaro, again on Clearfield canola stubble. Preseeding weed control involved 1L glyphosate and 1.2L Triflualin per hectare. Sowing time, 16th Jun, was later than optimal and emergence and growth was slow due to cold weather, so plots were heading during the drought period of Oct having already existed on little rain in Sep, and head tipping occurred in some plots. Leaf measurements were made at this site and the trial was then abandoned.
Trial Design	Randomised block design of 3 blocks and 60 entries consisting of comparators and potential candidates. Sown in 12 ranges of 15 plots wide, block 1 being in ranges 1 to 4 and so on. Plots were 1.25m wide (5 rows) and 3.2m long. There were approx. 1000 plants per plot.
Measurements	Leaf measurements and observations were recorded on plant samples taken from the Mintaro trial. At anthesis 5 primary tillers were sampled from each plot in each replicate and flag leaf measurements made. All other measurements, including heading dates, glaucosity and leaf angle were made on plots and plant samples taken from the Roseworthy trial. After maturity plant heights to the top of the awns were recorded at 10 random locations in each replicate. Ten heads were also sampled at random from each plot for head descriptions and measurements. Measurements were performed on 10 intact heads per block. Statistical analyses were completed using GENSTAT software.
RHS Chart - edition	Nil

Origin and Breeding

Controlled pollination: A backcross was completed between the two parents ‘Annuello’ and ‘Stylet’ in 2002 resulting in the population coded CO6476 with pedigree (‘Annuello’/2*‘Stylet’). DHs (242) were made from BC1F1 individuals found to be carrying favourable rust, agronomic and quality genes. Seed of the DH lines were multiplied over summer 2003 and the lines entered into stage 1 testing in 2004 and evaluated for agronomic performance and disease resistance at nurseries located in WA, SA, VIC and NSW. At the end of stage 2 testing in 2005 (for yield, quality and disease resistance), an elite individual (CO6476-100*42) was identified and named RAC1400. RAC1400 was included in the Stage 3 and Stage 4 testing regimes of Australian Grain Technologies in 2006 and 2007 respectively and in the GRDC's NVT system in 2007. RAC1400 underwent yield, disease resistance, abiotic stress tolerance and end-use quality testing at various sites around Australia. RAC1400 is included in AGT's Stage 4 testing system and NVT system in 2008. RAC1400 has undergone quality classification and has been granted an APW quality classification. Breeders: Haydn Kuchel and Steve Jefferies Australian Grain Technologies Pty Ltd, Glen Osmond, 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
Plant	time of ear emergence	medium to late
Flag leaf	anthocyanin colouration of auricles	absent (white)
Flag leaf	glaucosity of sheath	strong/strong to very strong
Ear	colour	white
Ear	distribution of awns	fully awned
Ear	shape in profile	parallel sided
Grain	colour	white
Plant	seasonal type	spring type

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
‘Yitpi’	Closest and widely grown.

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety
‘Annuello’	VPM Chromosome presence segment	present	absent
‘Frame’	Grain HMW glutenin GluD1	a	d
‘Stylet’	Grain HMW glutenin GluD1	a	d
‘Espada’	Grain HMW glutenin GluD1	a	d

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	‘Fang’	‘Yitpi’
<input type="checkbox"/> *Plant: growth habit	semi-erect	intermediate to semi-prostrate

<input type="checkbox"/>	Flag leaf: anthocyanin colouration of auricles	absent or very weak	absent or very weak
<input type="checkbox"/>	Plant: frequency of plants with recurved flag leaves	medium	low to medium
<input type="checkbox"/>	*Time of: ear emergence	medium to late	medium to late
<input type="checkbox"/>	*Flag leaf: glaucosity of sheath	strong to very strong	strong
<input type="checkbox"/>	*Ear: glaucosity	strong to very strong	strong
<input type="checkbox"/>	Culm: glaucosity of neck	strong	medium to strong
<input type="checkbox"/>	*Plant: length	short to medium	medium to long
<input type="checkbox"/>	*Straw: pith in cross section	thin	thin
<input type="checkbox"/>	*Ear: shape in profile	parallel sided	parallel sided
<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	medium
<input type="checkbox"/>	*Ear: colour	white	white
<input checked="" type="checkbox"/>	Apical rachis segment: hairiness of convex surface	weak	medium to strong
<input type="checkbox"/>	Lower glume: shoulder width	broad	broad
<input type="checkbox"/>	Lower glume: shoulder shape	slightly sloping	slightly sloping
<input type="checkbox"/>	Lower glume: beak length	medium	medium
<input type="checkbox"/>	Lower glume: beak shape	slightly curved to moderately curved	slightly curved to moderately curved
<input type="checkbox"/>	Lower glume: extent of internal hair	medium to strong	weak to medium
<input type="checkbox"/>	Lowest lemma: beak shape	slightly curved	straight
<input type="checkbox"/>	*Grain: colour	white	white
<input type="checkbox"/>	*Seasonal type:	spring type	spring type

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	‘Fang’	‘Yitpi’	
<input type="checkbox"/>	Glutenin composition: allele expression at GluA1	a	a
<input checked="" type="checkbox"/>	Glutenin composition: allele expression at GluD1	a	d
<input type="checkbox"/>	Glutenin composition: allele expression at GluA3	c	c
<input type="checkbox"/>	Glutenin composition: allele expression at GluB3	h	h
<input type="checkbox"/>	Glutenin composition: allele expression at GluD3	c	c
<input checked="" type="checkbox"/>	Glutenin composition: allele expression at GluB1	c	u
<input checked="" type="checkbox"/>	Ear: awn length of middle spikelets	short	long
<input checked="" type="checkbox"/>	Vpm chromosome segment: Presence	present	absent
<input checked="" type="checkbox"/>	Whole plant post anthesis: Stem rust reaction to pathotype +Sr38	moderately resistant	very susceptible

Statistical Table

Organ/Plant Part: Context	'Fang'	'Yitpi'
<input type="checkbox"/> Ear: Time of ear emergence (Julian days)		
Mean	269.70	268.70
Std. Deviation	1.53	0.60
LSD/sig	2.3	ns
<input type="checkbox"/> Flag leaf: blade length (mm)		
Mean	147.90	167.80
Std. Deviation	22.30	26.90
LSD/sig	38.6	ns
<input type="checkbox"/> Flag leaf: blade width (mm)		
Mean	13.80	15.10
Std. Deviation	0.60	1.50
LSD/sig	2.4	ns
<input type="checkbox"/> Ear: length without awns (mm)		
Mean	94.10	92.60
Std. Deviation	5.30	5.20
LSD/sig	10.4	ns
<input type="checkbox"/> Peduncle: length (mm)		
Mean	260.00	251.00
Std. Deviation	23.70	32.90
LSD/sig	35.0	ns
<input type="checkbox"/> Ear: spikelet number		
Mean	22.50	21.20
Std. Deviation	1.02	1.20
LSD/sig	1.2	ns
<input type="checkbox"/> Ear density: rachis internode length (mm)		
Mean	3.78	3.92
Std. Deviation	0.18	0.20
LSD/sig	0.31	ns
<input checked="" type="checkbox"/> Plant: height with awns (mm)		
Mean	83.40	88.70
Std. Deviation	3.70	4.20
LSD/sig	4.2	P≤0.01
<input type="checkbox"/> Flag leaf: sheath length (mm)		
Mean	201.80	208.50
Std. Deviation	7.61	10.60
LSD/sig	26.1	ns

Prior Applications and Sales

Nil.

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

Details of Application

Application Number	2008/198
Variety Name	'Mace'
Genus Species	<i>Triticum aestivum</i>
Common Name	Wheat
Synonym	Nil
Accepted Date	20 Aug 2008
Applicant	Australian Grain Technologies Pty Ltd, Glen Osmond, SA
Agent	N/A
Qualified Person	Gil Hollamby

Details of Comparative Trial

Location	Roseworthy and Mintaro, South Australia.
Descriptor	Wheat (<i>Triticum aestivum</i>) TG/3/11.
Period	2008.
Conditions	The comparative trial at Roseworthy was sown on 23 May (optimum sowing time) into Clearfield Canola stubble at approximately 80kg seed per hectare and with 90kg/ha of DAP fertilizer. The day before weeds and pests were controlled with 1.3L Glyphosate, 75ml Hammer™, 100ml Dimethoate and 2.5L Boxer Gold™ per hectare. Broadside™ at 1L/ha was sprayed on the growing plots on 18 Jul to control in-crop weeds and in Aug 9L/ha of lig-nit™ was sprayed on as a foliar nutrient application. Plots grew well with no disease problems and up until just before heading promised above average yields. However in Sep and Oct there was virtually no useful rain so grain fill was impaired, and grain harvested on 19 Dec had low test weights. An identical trial was planted at Mintaro, again on Clearfield canola stubble. Preseeding weed control involved 1L glyphosate and 1.2L Trifluralin per hectare. Sowing time, 16 Jun, was later than optimal and emergence and growth was slow due to cold weather, so plots were heading during the drought period of Oct having already existed on little rain in Sep, and head tipping occurred in some plots. Leaf measurements were made at this site and the trial was then abandoned.
Trial Design	Randomised block design of 3 blocks and 60 entries consisting of comparators and potential candidates. Sown in 12 ranges of 15 plots wide, block 1 being in ranges 1 to 4 and so on. Plots were 1.25m wide (5 rows) and 3.2m long. There were approx. 1000 plants per plot.
Measurements	Leaf measurements and observations were recorded on plant samples taken from the Mintaro trial. At anthesis 5 primary tillers were sampled from each plot in each replicate and flag leaf measurements made. All other measurements, including heading dates, glaucosity and leaf angle were made on plots and plant samples taken from the Roseworthy trial. After maturity plant heights to the top of the awns were recorded at 10 random locations in each replicate. Ten heads were also sampled at random from each plot for head descriptions and measurements. Measurements were performed on 10 intact heads per block. Statistical analyses were completed using GENSTAT software.
RHS Chart - edition	Nil

Origin and Breeding

Controlled pollination: a backcross was completed between the two parents ‘Wyalkatchem’ and ‘Stylet’ in 2001 resulting in the population coded CO6320 with pedigree (‘Wyalkatchem’/‘Stylet’//‘Wyalkatchem’). BC1F1 seed was grown over the summer of 2001/02 and seed kept from plants carrying desirable genes. The F2 population was grown over winter 2002 and heads selected from elite individuals (based on height, maturity and plant type) were bulked and then grown as an F3 population over summer 2002/03. 348 Elite plants from the F3 population were identified based on height and stem rust resistance and the seed from each of the plants were then grown as individual rows over winter 2003. 120 selections were progressed based on their stripe rust resistance, maturity, plant height, uniformity, general appearance, flour colour and protein content. From F1 to F4, all evaluation was performed at Roseworthy Campus, Roseworthy. These lines entered stage 1 testing in 2004 and were evaluated for agronomic performance and disease resistance at nurseries located in WA, SA, Vic and NSW. At the end of stage 2 testing in 2005 (for yield, quality and disease resistance), an elite individual (CO6320-109) was identified and named RAC1372. RAC1372 was included in the Stage 3 and Stage 4 testing regimes of Australian Grain Technologies in 2006 and 2007 respectively. RAC1372 underwent yield, disease resistance, abiotic stress tolerance and end-use quality testing at various sites around Australia. RAC1372 is included in AGT’s Stage 4 testing system and GRDC’s NVT system in 2008. Breeders: Haydn Kuchel and Steve Jefferies, Australian Grain Technologies Pty Ltd, Glen Osmond, 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
Plant	growth habit	erect to semi-erect
Flag leaf	anthocyanin colouration of auricles	absent (white)
Flag leaf	glaucosity of sheath	medium to strong/strong
Ear	colour	white
Ear	distribution of awns	fully awned
Ear	shape in profile	parallel sided
Grain	colour	white
Plant	seasonal type	spring type

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
‘Wyalkatchem’	Similar height and maturity, most widely grown variety in area of adaptation of ‘Mace’.
‘AGT Scythe’	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety
‘Westonia’	Leaf	stripe rust 134E16A+	moderately resistant	very susceptible
‘Stylet’	Leaf	leaf rust reaction 104+Lr37	resistant	susceptible
‘Stylet’	Grain	HMW glutenin GluB1	u	c
‘Stylet’	Grain	HMW glutenin GluD1	a	d
‘Espada’	Grain	HMW glutenin GluD1	a	d
‘Espada’	Grain	LMW glutenin GluA3	c	d
‘Axe’	Leaf	width	medium	very wide

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	‘Mace’	‘AGT Scythe’	‘Wyalkatchem’
<input type="checkbox"/> *Plant: growth habit	erect to semi-erect	erect to semi-erect	erect to semi-erect
<input type="checkbox"/> Flag leaf: anthocyanin colouration of auricles	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/> Plant: frequency of plants with recurved flag leaves	low to medium	low	medium
<input checked="" type="checkbox"/> *Time of: ear emergence	early to medium	early to medium	very early to early
<input type="checkbox"/> *Flag leaf: glaucosity of sheath	medium to strong	strong	medium to strong
<input type="checkbox"/> *Ear: glaucosity	medium to strong	medium	medium
<input type="checkbox"/> Culm: glaucosity of neck	medium to strong	medium to strong	weak to medium
<input type="checkbox"/> *Plant: length	short to medium	short to medium	very short to short
<input checked="" type="checkbox"/> *Straw: pith in cross section	thin	thin	medium to thick
<input type="checkbox"/> *Ear: shape in profile	parallel sided	parallel sided	parallel sided
<input type="checkbox"/> *Awns or scurs: presence	awns present	awns present	awns present
<input type="checkbox"/> *Awns of scurs at tip of ear: length	medium	short to medium	long
<input type="checkbox"/> *Ear: colour	white	white	white
<input type="checkbox"/> Apical rachis segment: hairiness of convex surface	strong	weak	strong
<input type="checkbox"/> Lower glume: shoulder width	medium	medium to broad	narrow to medium
<input type="checkbox"/> Lower glume: shoulder shape	straight	straight to elevated	straight
<input checked="" type="checkbox"/> Lower glume: beak length	medium	short to medium	medium to long
<input checked="" type="checkbox"/> Lower glume: beak shape	slightly curved to moderately curved	slightly curved	slightly curved to moderately curved
<input type="checkbox"/> Lower glume: extent of internal hair	weak to medium	weak to medium	weak
<input type="checkbox"/> Lowest lemma: beak shape	slightly curved	slightly curved	straight to slightly curved
<input type="checkbox"/> *Grain: colour	white	white	white
<input type="checkbox"/> *Seasonal type:	spring type	spring type	spring type

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	‘Mace’	‘AGT Scythe’	‘Wyalkatchem’
<input type="checkbox"/> Glutenin composition: allele expression u at GluB1		mixed u&i	mixed u&f
<input checked="" type="checkbox"/> Glutenin composition: allele expression a at GluA1	a	b	a
<input type="checkbox"/> Glutenin composition: allele expression a	a	a	a

at GluD1

<input checked="" type="checkbox"/>	Glutenin composition: allele expression	c	b	c
at GluA3				
<input type="checkbox"/>	Glutenin composition: allele expression	h	mixed b&h	h
at GluB3				
<input checked="" type="checkbox"/>	Glutenin composition: allele expression	c	a	b
at GluD3				
<input checked="" type="checkbox"/>	Whole plant post anthesis: stem rust reaction	moderately resistant	moderately resistant	moderately susceptible
<input checked="" type="checkbox"/>	Leaves post anthesis: leaf rust reaction (Lr37 virulent race)	resistant	moderately susceptible	resistant

Statistical Table

Organ/Plant Part: Context	‘Mace’	‘AGT Scythe’	‘Wyalkatchem’
<input checked="" type="checkbox"/> Ear: date of emergence from boot (Julian days)			
Mean	261.50	263.00	256.70
Std. Deviation	0.87	1.00	0.58
LSD/sig	2.3	ns	P≤0.01
<input checked="" type="checkbox"/> Ear: length without awns (mm)			
Mean	101.00	97.73	89.60
Std. Deviation	6.34	9.14	10.10
LSD/sig	10.35	ns	P≤0.01
<input checked="" type="checkbox"/> Ear: spikelet number			
Mean	20.00	22.80	19.40
Std. Deviation	0.70	1.00	1.90
LSD/sig	1.2	P≤0.01	ns
<input type="checkbox"/> Flag leaf: blade length (mm)			
Mean	153.60	153.80	124.40
Std. Deviation	24.00	28.00	18.30
LSD/sig	38.6	ns	ns
<input type="checkbox"/> Flag leaf: blade width (mm)			
Mean	15.00	15.60	14.20
Std. Deviation	1.29	1.10	1.80
LSD/sig	2.4	ns	ns
<input type="checkbox"/> Flag leaf (Roseworthy): sheath length (mm)			
Mean	200.20	194.10	184.40
Std. Deviation	9.50	17.10	15.30
LSD/sig	26.1	ns	ns
<input checked="" type="checkbox"/> Plant: height including awns (cm)			
Mean	84.70	85.90	80.10
Std. Deviation	3.50	3.20	3.50
LSD/sig	4.2	ns	P≤0.01
<input type="checkbox"/> Peduncle: length (mm)			
Mean	259.50	241.00	242.00

Std. Deviation	23.70	27.00	20.80
LSD/sig	35.0	ns	ns
<input checked="" type="checkbox"/> Ear: density rachis internode (mm)			
Mean	4.57	3.88	4.14
Std. Deviation	0.30	0.34	0.30
LSD/sig	0.31	P≤0.01	P≤0.01

Prior Applications and Sales

Nil.

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

Details of Application

Application Number	2006/105
Variety Name	'Elite'
Genus Species	<i>Melia azedarach</i>
Common Name	White Cedar
Synonym	Nil
Accepted Date	5 Oct 2006
Applicant	Metropolitan Tree Growers Pty Ltd, Alphington, VIC
Agent	N/A
Qualified Person	John Fitzgibbon

Details of Comparative Trial

Location	City of Hume, VIC.
Descriptor	General Descriptor (for plant varieties with no descriptor available) PBR GEN DES.
Period	Between 2005 and 2009.
Conditions	The cultivar (grafted <i>Melia</i> 'Elite') and comparator (seedling <i>Melia azedarach</i>) trees were planted in streets of the City of Hume and maintained with the standard early maintenance practices of that organisation. The growing conditions are same for the candidate and comparator
Trial Design	25 trees of the cultivar (5 planted Dec 2007, 8 planted Aug 2006 and 12 planted Sept 2007) and 29 trees (14 planted Aug 2006, 15 planted Feb 2005) of the comparator were compared.
Measurements	In Jan 2009 each tree was examined to establish their patterns of flowering and fruit set. If flowering had occurred, evidence of fruit set was collected.
RHS Chart - edition	N/A

Origin and Breeding

Phenotypic selection: a single tree in large streetscape population in the City of Darebin, VIC exhibited no fruit over an observation period of 7 years. The flowers appear to produce little petal or reproductive structure compared to the species and other streetscape population of *Melia azedarach*. There was no fruit set on this tree. The selection was grafted onto seedling rootstock in 2000 and noted that flowering did not develop fully and there was no fruit set. The observations continued for several years and the non-fruiting character was found to be uniform and stable. Propagation: asexually through grafting. Breeder: Metropolitan Tree Growers Pty Ltd, Alphington, 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
Plant	type	tree
Plant	growth habit	spreading
Plant	size	medium to large
Plant	height	medium to tall
Plant	width	medium to broad

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
<i>Melia azederach</i>	The species generally forms fruit after flowering. In the variety 'Elite', flowers abort after flowering.

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	'Elite'	<i>Melia azederach</i>
<input type="checkbox"/> Plant: type	tree	tree
<input type="checkbox"/> Plant: growth habit	spreading	spreading
<input type="checkbox"/> Plant: size	medium to large	medium to large
<input type="checkbox"/> Plant: height	medium to tall	medium to tall
<input type="checkbox"/> Plant: width	medium to broad	medium to broad
<input type="checkbox"/> Leaf: leaf type	compound	compound
<input type="checkbox"/> Leaf: size	large	large
<input type="checkbox"/> Leaf: attitude	pendulous	pendulous
<input type="checkbox"/> Leaf: arrangement	alternate	alternate
<input type="checkbox"/> Leaf: length of blade	long	long
<input type="checkbox"/> Leaf: length of petiole	medium to long	medium to long
<input type="checkbox"/> Leaf: shape	bipinnatifid	bipinnatifid
<input type="checkbox"/> Leaf: green colour	medium to dark	medium to dark
<input type="checkbox"/> Leaf colour: number of colours	one	one

Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Elite'	<i>Melia azederach</i>
<input checked="" type="checkbox"/> Fruit: presence	absent	present

Prior Applications and Sales

Prior applications nil. First sold in Australia in May 2006.

Description: Dr. Peter May.

Details of Application

Application Number	2006/327
Variety Name	'Quest'
Genus Species	<i>Trifolium repens</i>
Common Name	White Clover
Synonym	GC95
Accepted Date	31 Jan 2007
Applicant	Grasslanz Technology Limited, Palmerston North, New Zealand
Agent	Seed Technology & Marketing Pty Ltd, Adelaide, SA
Qualified Person	Jennifer Ngaire James

Details of Comparative Trial

Overseas Testing	New Zealand Plant Variety Rights Office.
Authority	
Overseas Data	CLO037 (Grant No. 2360)
Reference Number	
Location	Lincoln, Canterbury, New Zealand
Descriptor	TG/38/7
Period	2002 to 2005
Conditions	Centralised trial conducted by the New Zealand Plant Variety Rights Office. Seedlings raised in glasshouses, removed to outside conditions for hardening off and later transferred to open field conditions.
Trial Design	Two consecutive trials of spaced plants in 10 replicated randomised plots of 10 plants per plot for each variety
Measurements	Observations and measurements from all available plants. Analysis of data based on plot means
RHS Chart - edition	Nil

Origin and Breeding

Bred from 3 cycles of recurrent selection for high forage yield as spaced plants from pair crosses between elite 'Grasslands Huia' genotypes and elite genotypes from 'S100 NoMark' (Lebanon), 'SC-1 Tamar' (Portugal) 'Casas Velhas' (New Hampshire), 'Radi', 'Beta', Belgium A3 & A4, Aigues-Mortes (France), Italy, Israel, Germany & Spain. Original elite genotype selection was also based on yield as spaced plants. Two further cycles of reselection for high yield, persistence and resistance to pests and diseases were done under grazing in a mixed sward. One hundred random progeny of the cycle 5 population were screened for seed yield and consistent flowering pattern and 25 parents were selected and polycrossed to provide the pre-nucleus seed in 1999/00.

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	intermediate

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
‘Grasslands Challenge’	Only significantly distinguishable based on percentage of plants positive for cyanogenesis.
‘Beaumont’	
‘NuSiral’	
‘Grasslands Sustain’	
‘Wanaka’	

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	‘Quest’	‘Beaumont’	‘Grasslands Challenge’	‘Grasslands Sustain’	‘NuSiral’	‘Wanaka’
<input type="checkbox"/> Plant: intensity of green colour	medium	medium	medium	medium	light to medium	dark
<input type="checkbox"/> Plant: density of foliage	medium to high	medium	medium	medium	low to medium	low
<input checked="" type="checkbox"/> Plant: proportion of plants with cyanid glucoside	very high	medium to high	low to medium	medium	medium to high	medium to high
<input checked="" type="checkbox"/> *Plant: prominence of white leaf marks	medium to strong	medium to strong	weak to medium	weak to medium	medium	medium to strong
<input checked="" type="checkbox"/> *Plant: time of flowering	medium	late	early to medium	medium	very early to early	late to very late
<input type="checkbox"/> Plant: growth habit	intermediate	intermediate	intermediate	intermediate	intermediate	semi-erect to intermediate
<input checked="" type="checkbox"/> Stem: internode length of stolon	medium	medium	medium to long	medium to long	long to very long	medium
<input type="checkbox"/> Stem: thickness of stolon	medium	medium	medium	medium	medium	medium
<input checked="" type="checkbox"/> Leaf: length of petiole	medium to long	very long	medium	medium	medium	short to medium
<input type="checkbox"/> Leaf: thickness of petiole	medium	medium	medium to thick	medium to thick	thin to medium	thin to medium
<input checked="" type="checkbox"/> *Leaf: length of median leaflet	medium to long	medium	medium to long	medium to long	medium to long	medium to long
<input type="checkbox"/> *Leaf: width of median leaflet	medium to broad	medium to broad	medium to broad	medium to broad	narrow to medium	medium to broad

<input type="checkbox"/> *Leaf: size of median leaflet	medium to large	medium to large	medium to large	medium to large	large	medium to large
<input type="checkbox"/> *Leaf: ratio of length to width of median leaflet	small	small	small	small to medium	small	small to medium
<input checked="" type="checkbox"/> Inflorescence: length of peduncle	medium	very long	medium	medium to long	short	medium
<input type="checkbox"/> Inflorescence: thickness of peduncle	medium	medium	medium to thick	medium	medium	medium
<input type="checkbox"/> Inflorescence: diameter	medium	medium to large				

Statistical Table

Organ/Plant Part: Context	'Quest'	'Beaumont'	'Grasslands Challenge'	'Grasslands Sustain'	'NuSiral'	'Wanaka'
<input checked="" type="checkbox"/> Leaflet: length (mm)						
Mean	36.73	34.92	35.14	34.85	22.85	33.90
Std. Deviation	6.57	5.88	6.58	2.58	2.58	2.58
LSD/sig	2.58	ns	ns	ns	P≤0.01	P≤0.01
<input type="checkbox"/> Leaflet: width (mm)						
Mean	28.81	28.62	28.13	28.13	26.97	26.71
Std. Deviation	4.90	4.72	5.43	2.11	2.11	2.11
LSD/sig	2.11	ns	ns	ns	ns	ns
<input checked="" type="checkbox"/> Inflorescence: flowering (days from sowing)						
Mean	44.69	50.	41.37	48.73	32.56	52.19
Std. Deviation	9.70	8.24	8.95	4.79	4.79	4.79
LSD/sig	4.79	P≤0.01	ns	ns	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Petiole: length (mm)						
Mean	150.57	174.10	146.15	154.27	128.39	141.24
Std. Deviation	55.71	8.24	53.18	21.96	21.96	21.96
LSD/sig	21.96	P≤0.01	ns	ns	P≤0.01	ns
<input type="checkbox"/> Petiole: width (mm)						
Mean	2.00	2.08	2.11	2.07	1.87	1.97
Std. Deviation	0.43	0.34	0.54	0.16	0.16	0.16
LSD/sig	0.16	ns	ns	ns	ns	ns
<input type="checkbox"/> Stolon: width (mm)						
Mean	3.13	3.07	3.24	3.16	3.09	3.23
Std. Deviation	0.49	0.41	0.54	0.18	0.18	0.18
LSD/sig	0.18	ns	ns	ns	ns	ns
<input checked="" type="checkbox"/> Stolon: internode length (mm)						
Mean	34.77	33.84	36.61	37.32	41.82	34.44
Std. Deviation	10.84	9.52	10.64	4.24	4.24	4.24
LSD/sig	4.24	ns	ns	ns	P≤0.01	ns
<input checked="" type="checkbox"/> Peduncle: length (mm)						
Mean	245.19	276.21	146.15	252.06	208.89	239.16

Std. Deviation	63.92	57.35	52.62	23.11	23.11	23.11
LSD/sig	23.11	P \leq 0.01	ns	ns	P \leq 0.01	ns
<input type="checkbox"/> Peduncle: width (mm)						
Mean	2.33	2.38	2.37	2.29	2.29	2.34
Std. Deviation	0.34	0.29	0.36	0.15	0.15	0.15
LSD/sig	0.15	ns	ns	ns	ns	ns
<input type="checkbox"/> Inflorescence: diameter (mm)						
Mean	6.56	6.53	7.01	6.98	7.29	6.96
Std. Deviation	1.22	1.40	1.22	0.74	0.74	0.74
LSD/sig	0.74	ns	ns	ns	ns	ns

Prior Applications and Sales

Country	Year	Current Status	Name Applied
New Zealand	2003	Granted	'Quest'

First sold in Australia in Apr 2006.

Description: **Jeff E. Miller**, , Palmerston North, New Zealand.

Details of Application

Application Number	2007/180
Variety Name	'DECEMBER'
Genus Species	<i>Picea glauca</i>
Common Name	White Spruce
Synonym	Xmas Star
Accepted Date	27 Aug 2007
Applicant	Dick Scholten, Boskoop, The Netherlands
Agent	Coolwyn Nurseries Pty Ltd, Monbulk, VIC
Qualified Person	Christopher Prescott

Details of Comparative Trial

Location	29 Victoria Avenue, Monbulk, VIC (Latitude 37°52'46.07
Descriptor	General Descriptor (for plant varieties with no descriptor available) PBR GEN DES.
Period	Jul 2007 – Jan 2009.
Conditions	Plants of both 'December' and 'Albertiana conica' were planted in 250mm pots of a pine bark mix with slow release fertiliser and kept at the same premises for the period of the trial in optimum conditions including watering regime, disease control and plant management.
Trial Design	10 plants of both 'December' and 'Albertiana Conica' were selected at random from a much larger sample and placed in varietal blocks.
Measurements	Taken at random.
RHS Chart - edition	2007.

Origin and Breeding

Spontaneous mutation: 'December' was observed by Dick Scholten at his property in Boskoop, the Netherlands within a population of 'Albertiana Conica' in 1995. Branch cuttings were made in 1995. From these plants further cuttings were taken each year and demonstrated uniformity with no off-types observed.

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	group	dwarf
Plant	growth habit	erect
Leaf	attitude	erect
Leaf	shape	linear
Leaf	green colour	medium

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Albertiana Conica'	

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety
<i>Picea glauca</i>	Plant group	dwarf	tree

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	'DECEMBER'	'Albertiana Conica'
<input type="checkbox"/> Plant: group	dwarf	dwarf
<input type="checkbox"/> Plant: growth habit	erect	erect
<input type="checkbox"/> Plant: size	very small to small	very small
<input checked="" type="checkbox"/> Plant: height	very short to short	very short
<input checked="" type="checkbox"/> Plant: width	narrow	very narrow
<input type="checkbox"/> Leaf: leaf type	simple	simple
<input type="checkbox"/> Leaf: size	very small	very small
<input type="checkbox"/> Leaf: attitude	erect	erect
<input type="checkbox"/> Leaf: arrangement	pseudo-whorled	pseudo-whorled
<input type="checkbox"/> Leaf: length of blade	very short	very short
<input type="checkbox"/> Leaf: width of blade	very narrow	very narrow
<input type="checkbox"/> Leaf: shape	linear	linear
<input type="checkbox"/> Leaf: green colour	medium	medium
<input type="checkbox"/> Leaf: primary colour (RHS colour chart)	143A	143A

Statistical Table

Organ/Plant Part: Context	'DECEMBER'	'Albertiana Conica'
<input checked="" type="checkbox"/> Plant: width (cm)		
Mean	27.55	18.39
Std. Deviation	2.08	1.96
LSD/sig	2.30	P≤0.01
<input checked="" type="checkbox"/> Plant: height (cm)		
Mean	49.30	27.03
Std. Deviation	2.29	3.05
SD/sig	3.40	P≤0.01

Prior Applications and Sales

Country	Year	Current Status	Name Applied
EU	2003	Granted	'December'

First sold in The Netherlands in Dec 2004.

Description: Christopher Prescott, Clyde, VIC.

Details of Application

Application Number	2007/140
Variety Name	'FLOCHRDEF'
Genus Species	<i>Chrysocephalum apiculatum</i>
Common Name	Yellow Buttons
Synonym	Nil
Accepted Date	17 Jun 2007
Applicant	Floreta Intellectual Property Pty Ltd as Trustee for the Chrysocephalum Trust, Capalaba, QLD
Agent	Nil
Qualified Person	Kerry Bunker

Details of Comparative Trial

Location	Redland Bay, QLD.
Descriptor	Chrysocephalum (<i>apiculatum</i>) PBR CHRY.
Period	
Conditions	Single rooted cuttings were grown in 205mm squat pots in full sun, hail cloth protection, unpinched, no growth regulators applied. Plant measurements taken at 20 weeks from propagation.
Trial Design	Randomised block design with 25 replicates of each variety.
Measurements	From all trial plants
RHS Chart - edition	2007 (5 th edition)

Origin and Breeding

Open pollination: the new variety arose from the open pollination of proprietary selection 02-47 with proprietary selections 01-11 and 01-13 in Aug 2002. Plants were placed together in isolation, inflorescences were tagged prior to the commencement of anthesis and covered once anthesis of all the florets on the capitulum had occurred. Seed was collected in Sep 2002, dried and subsequently sown. The seedling 'FLOCHRDEF' was selected from these seedlings and the first asexual reproduction of the new variety occurred in Aug 2003. Horticultural examination of controlled flowerings of successive plantings has shown that the unique combination of characteristics of the new cultivar are firmly fixed and are retained through successive generations of asexual reproduction. Breeder: Dr Kerry Bunker, Redlands Bay, 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	colour	grey green or silver
Leaf	width	medium
Leaf	pubescence on lower side	strong

Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'FLOCHRYEL'	Also known as Flambe Yellow, and patented in the United States.

Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety
<i>C. apiculatum</i> from SGAP QLD identified as 06-004	leaf	size	medium	large
<i>C. apiculatum</i> from SGAP QLD identified as 06-001	leaf	size	medium	large
<i>C. apiculatum</i> from Melbourne identified as 03-104	Plant	number of racemes per plant	very many	few

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	'FLOCHRDEF'	'FLOCHRYEL'
<input type="checkbox"/> Plant: growth habit	upright	upright
<input type="checkbox"/> Plant: height (base to tip of flowering shoot)	short	short
<input type="checkbox"/> Stem: pubescence	strong	strong
<input type="checkbox"/> Leaf: length (leaf taken from lower third of flowering stem)	medium	medium
<input type="checkbox"/> Leaf: width (leaf taken from lower third of flowering stem)	medium	medium
<input checked="" type="checkbox"/> Leaf: profile in cross section	concave	flat
<input checked="" type="checkbox"/> Leaf: shape (leaf taken from lower third of flowering stem)	spatulate	oblanceolate
<input checked="" type="checkbox"/> Leaf: foliage colour (including pubescence)	grey green	silvery green
<input checked="" type="checkbox"/> Leaf : leaf colour of upper side (including pubescence) (RHS colour chart)	137A	191A
<input type="checkbox"/> Leaf: mature leaf colour of lower side (including pubescence) (RHS colour chart)	194A	194A
<input checked="" type="checkbox"/> Leaf blade: pubescence on upper side	medium	strong
<input type="checkbox"/> Leaf blade: pubescence on lower side	strong	strong
<input type="checkbox"/> Flowering stem: number of branches	medium (101-150)	medium (101-150)
<input checked="" type="checkbox"/> Flowering stem: arrangement of capitula	single loose cluster	multiple loose cluster
<input checked="" type="checkbox"/> Flowering stem: number of capitula per cluster	medium (11-20)	many (>20)
<input checked="" type="checkbox"/> Cluster: length	long (>8 - 10cm)	short (<5cm)
<input type="checkbox"/> Capitulum: diameter (including involucral bracts)	medium	medium
<input type="checkbox"/> Capitulum: diameter (excluding involucral bracts)	medium	medium
<input checked="" type="checkbox"/> Capitulum: main colour of disc (at full anthesis) (RHS colour chart)	17A	14A

Prior Applications and Sales

Country	Year	Current Status	Name Applied
EU	2007	Applied	'FLOCHRDEF'

First sold in Germany in Feb 2007.

Description: **Kerry Bunker**, Redlands bay, QLD.

GRANTS

Ananas comosus
Pineapple

‘Aus-Carnival’[Ⓛ]

Application No: 2007/036 Grantee: **State of Queensland through its Department of Primary Industries and Fisheries**, Brisbane, QLD.
Certificate No: 3631 Expiry Date: 21 October 2028.

‘Aus-Jubilee’[Ⓛ] syn Jubilee[Ⓛ]

Application No: 2005/353 : **State of Queensland through its Department of Primary Industries and Fisheries**, Brisbane, QLD.
Certificate No: 3633 Expiry Date: 21 October 2028.

Anigozanthos hybrid
Kangaroo Paw

‘Regal Velvet’[Ⓛ]

Application No: 2006/012 Grantee: **George A Lullfitz**,
Certificate No: 3669 Expiry Date: 17 December, 2028.
Agent: **Ozbreed Pty Ltd**, Richmond, NSW.

Avena sativa
Oats

‘Monty’[Ⓛ]

Application No: 2007/150 Grantee: **New Zealand Institute for Crop & Food Research Limited**,
Certificate No: 3640 Expiry Date: 19 November, 2028.
Agent: **Heritage Seeds Pty Ltd**, Howlong, NSW.

Brassica napus
Canola

‘Argyle’[Ⓛ]

Application No: 2007/058 Grantee: **Canola Breeders Western Australia Pty Ltd**, Shenton Park,
WA.
Certificate No: 3626 Expiry Date: 8 October, 2028.

Chloris gayana
Rhodes Grass

‘KP4’[Ⓛ]

Application No: 2006/189 Grantee: **State of Queensland through its Department of Primary Industries and Fisheries**, Brisbane, QLD.
Certificate No: 3661 Expiry Date: 16 December, 2028.

Chlorophytum comosum
Spider Plant, Ribbon Plant

‘Ocean’[Ⓛ]

Application No: 2007/146 Grantee: **Koning Smit IPR S.A.**
Certificate No: 3647 Expiry Date: 2 December, 2028.
Agent: **Ramm Botanicals Pty Ltd**, Tuggerah, NSW.

Dianella caerulea
Blue Flax-Lily

‘DC101’[Ⓛ]

Application No: 2006/182 Grantee: **Craig Waters**.
Certificate No: 3682 Expiry Date: 17 December, 2028.
Agent: **Ozbreed Pty Ltd**, Richmond, NSW.

‘DC150’[Ⓛ]

Application No: 2006/181 Grantee: **Craig Waters**.
Certificate No: 3683 Expiry Date: 17 December, 2028.
Agent: **Ozbreed Pty Ltd**, Richmond, NSW.

Dianella tasmanica
Flax lily

‘Little Devil’[Ⓛ]

Application No: 2005/300 Grantee: **Phillip Allen Dowling**, Mt Gambier West, SA.
Certificate No: 3650 Expiry Date: 16 December, 2028.

‘Rainbow’[Ⓛ]

Application No: 2005/249 Grantee: **Phillip Allen Dowling**, Mt Gambier West, SA.
Certificate No: 3658 Expiry Date: 16 December, 2028.

‘Splice’[Ⓛ]

Application No: 2005/248 Grantee: **Phillip Allen Dowling**, Mt Gambier West, SA.
Certificate No: 3651 Expiry Date: 16 December, 2028.

‘TAS100’[Ⓛ]

Application No: 2007/021 Grantee: **Ozbreed Pty Ltd**, Richmond, NSW.
Certificate No: 3642 Expiry Date: 2 December, 2028.

‘TAS300’[Ⓛ]

Application No: 2007/097 Grantee: **Wyeena Nurseries Pty Ltd**.
Certificate No: 3646 Expiry Date: 2 December, 2028.
Agent: **Ozbreed Pty Ltd**, Richmond, NSW.

Euphorbia hybrid
Crown of Thorns

‘EU4’[Ⓛ]

Application No: 2007/230 Grantee: **Darwin Plant Wholesalers**, Winnellie, NT.
Certificate No: 3653 Expiry Date: 16 December, 2028.

Hordeum vulgare
Barley

‘Vertess’[Ⓛ]

Application No: 2005/326 Grantee: **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.
Certificate No: 3634 Expiry Date: 27 October, 2028.

Lolium multiflorum
Italian Ryegrass

‘Warrior’[Ⓛ]

Application No: 2003/110 Grantee: **Grasslanz Technology Limited**.
Certificate No: 3652 Expiry Date: 16 December, 2028.
Agent: **Griffith Hack**, Brisbane., QLD.

Lomandra hystrix
Spiny Headed Mat Rush

‘LHBYF’[Ⓛ]

Application No: 2006/270 Grantee: **Ozbreed Pty Ltd**, Richmond, NSW.
Certificate No: 3644 Expiry Date: 2 December, 2028.

‘LHCOM’[Ⓛ]

Application No: 2006/088 Grantee: **Ozbreed Pty Ltd**, Richmond, NSW.
Certificate No: 3643 Expiry Date: 2 December, 2028.

Mangifera indica
Mango

‘Minijac’[Ⓛ]

Application No: 2000/301 Grantee: **Herminia and Jacinto Lay**, Darwin, NT.
Certificate No: 3625 Expiry Date: 8 October, 2033.

Medicago truncatula x Medicago littoralis
Barrel Medic

‘Cheetah’[Ⓛ]

Application No: 2007/195 Grantee: **Pristine Forage Technologies Pty Ltd**, Daw Park ,SA..
Certificate No: 3637 Expiry Date: 27 October, 2028.

‘Lynx’[Ⓛ]

Application No: 2007/194 Grantee: **Pristine Forage Technologies Pty Ltd**, Daw Park ,SA..
Certificate No: 3636 Expiry Date: 27 October, 2028.

Mimusops elengi
Spanish Cherry

‘Street Snow’[Ⓛ]

Application No: 2001/229 Grantee: **Darwin Plant Wholesalers**, Winnellie, NT.
Certificate No: 3627 Expiry Date: 14 October, 2033.

Paspalum vaginatum
Seashore Paspalum

‘SI98’[Ⓛ] syn **Sea Isle Supreme**[Ⓛ]

Application No: 2008/073 Grantee: **University of Georgia Research Foundation, Inc.**
Certificate No: 3648 Expiry Date: 16 December, 2028.
Agent: **State of Queensland through its Department of Primary Industries and Fisheries**,
Brisbane, QLD.

‘SDX-1’[Ⓛ]

Application No: 2006/160 Grantee: **SFR Holding Company Inc.**,
 Certificate No: 3660 Expiry Date: 16 December, 2028.
 Agent: **Gai Kapernick**, Chatsworth, QLD.

Philotheca myoporoides
 Long Leaved Waxflower Eriostemon

‘Bournda Gold’[Ⓓ]

Application No: 2005/072 Grantee: **Lystare Pty Ltd trading as Bournda Plants**,
 Certificate No: 3630 Expiry Date: 15 October, 2028.
 Agent: **Greenhills Propagation Nursery Pty Ltd**, Tynong, VIC.

Phormium cookianum
 New Zealand Mountain Flax

‘Storm Edition’[Ⓓ]

Application No: 2007/260 Grantee: **Greenhills Propagation Nursery Pty Ltd**, Tynong, VIC.
 Certificate No: 3635 Expiry Date: 27 October, 2028.

Pisum sativum
 Field Pea

‘Bundi’[Ⓓ]

Application No: 2006/026 Grantee: **Agriculture Victoria Services Pty Ltd Attwood,,VIC and Grains Research and Development Corporation**, Barton. ACT.
 Certificate No: 3632 Expiry Date: 21 October 2028.

Prunus hybrid
 Interspecific Plum

‘Black Kat’[Ⓓ]

Application No: 2003/375 Grantee: **Zaiger's Inc. Genetics**.
 Certificate No: 3641 Expiry Date: 2 December, 2033.
 Agent: **Fleming's Nurseries & Associates Pty Ltd**, MONBULK, VIC.

Prunus salicina
 Japanese Plum

‘Suplumtwentyfour’[Ⓓ] syn **SP24**[Ⓓ]

Application No: 2006/163 Grantee: **Sun World International, LLC**.
 Certificate No: 3671 Expiry Date: 17 December, 2033.
 Agent: **Sun World Australasia**, Oberon, NSW.

‘Suplumtwentytwo’[Ⓓ] syn **SP22**[Ⓓ]

Application No: 2006/161 Grantee: **Sun World International, LLC**.
 Certificate No: 3670 Expiry Date: 17 December, 2033.
 Agent: **Sun World Australasia**, Oberon, NSW.

Rosa hybrid
 Rose

‘FRYcentury’[Ⓓ] syn **Daybreaker**[Ⓓ]

Application No: 2007/077 Grantee: **Gareth Fryer**.
 Certificate No: 3675 Expiry Date: 18 December, 2028.
 Agent: **Swane's Nurseries Australia Pty Limited**, Dural, NSW.

‘JACepirt’[Ⓓ]

Application No: 2007/074 Grantee: **Jackson & Perkins Wholesale, Inc.**
 Certificate No: 3674 Expiry Date: 18 December, 2028.
 Agent: **Swane's Nurseries Australia Pty Limited**, Dural, NSW.

'JACthain'[Ⓓ] syn **Tuscan Sun**[Ⓓ]

Application No: 2007/070 Grantee: **Jackson & Perkins Wholesale, Inc.**
 Certificate No: 3672 Expiry Date: 18 December, 2028.
 Agent: **Swane's Nurseries Australia Pty Limited**, Dural, NSW.

'JACtourn'[Ⓓ]

Application No: 2007/072 Grantee: **Jackson & Perkins Wholesale, Inc.**
 Certificate No: 3673 Expiry Date: 18 December, 2028.
 Agent: **Swane's Nurseries Australia Pty Limited**, Dural, NSW.

'Krilloween'[Ⓓ]

Application No: 2006/042 Grantee: **Lux Riviera S.r.l.**
 Certificate No: 3668 Expiry Date: 17 December, 2028.
 Agent: **Grandiflora Nurseries Pty Ltd**, Skye, VIC.

'Lexletacsum'[Ⓓ]

Application No: 2006/225 Grantee: **Lex Voorn Rozenveredeling.**
 Certificate No: 3667 Expiry Date: 17 December, 2028.
 Agent: **Grandiflora Nurseries Pty Ltd**, Skye, VIC.

'NOA831OOB'[Ⓓ]

Application No: 2006/125 Grantee: **Reinhard Noack.**
 Certificate No: 3659 Expiry Date: 16 December, 2028.
 Agent: **Flower Carpet Pty Ltd**, Silvan, VIC.

'WEKbecfoj'[Ⓓ] syn **Soaring Spirits**[Ⓓ]

Application No: 2007/079 Grantee: **Weeks Wholesale Rose Grower Inc.**
 Certificate No: 3677 Expiry Date: 18 December, 2028.
 Agent: **Swane's Nurseries Australia Pty Limited**, Dural, NSW.

'WEKhilpurnil'[Ⓓ] syn **Neptune**[Ⓓ]

Application No: 2007/080 Grantee: **Weeks Wholesale Rose Grower Inc.**
 Certificate No: 3678 Expiry Date: 18 December, 2028.
 Agent: **Swane's Nurseries Australia Pty Limited**, Dural, NSW.

'WEKosupalz'[Ⓓ] syn **About Face**[Ⓓ]

Application No: 2007/084 Grantee: **Weeks Wholesale Rose Grower Inc.**
 Certificate No: 3680 Expiry Date: 18 December, 2028.
 Agent: **Swane's Nurseries Australia Pty Limited**, Dural, NSW.

'WEKsunvoye'[Ⓓ] syn **Sunstruck**[Ⓓ]

Application No: 2007/078 Grantee: **Weeks Wholesale Rose Grower Inc.**
 Certificate No: 3676 Expiry Date: 18 December, 2028.
 Agent: **Swane's Nurseries Australia Pty Limited**, Dural, NSW.

'WEKsproules'[Ⓓ] syn **Honey Dijon**[Ⓓ]

Application No: 2007/081 Grantee: **Weeks Wholesale Rose Grower Inc.**
 Certificate No: 3679 Expiry Date: 18 December, 2028.
 Agent: **Swane's Nurseries Australia Pty Limited**, Dural, NSW.

Rubus idaeus
 Raspberry

‘Cardinal’[Ⓛ]

Application No: 2003/339 Grantee: **Driscoll Strawberry Associates, Inc**,
 Certificate No: 3629 Expiry Date: 13 October, 2028.
 Agent: **Phillips Ormonde & Fitzpatrick**, Melbourne, VIC.

Salvia hybrid
 Sage

‘Heatwave Blaze’[Ⓛ]

Application No: 2007/059 Grantee: **Plant Growers Australia Pty Ltd**.
 Certificate No: 3639 Expiry Date: 17 November, 2028.
 Agent: **Plants Management Australia Pty Ltd**, Dodges Ferry, TAS.

‘Heatwave Sizzle’[Ⓛ]

Application No: 2007/060 Grantee: **Plant Growers Australia Pty Ltd**.
 Certificate No: 3638 Expiry Date: 17 November, 2028.
 Agent: **Plants Management Australia Pty Ltd**, Dodges Ferry, TAS.

Saccharum hybrid
 Sugarcane

‘Q234’[Ⓛ]

Application No: 2007/220 Grantee: **BSES Limited**, Indooroopilly, QLD.
 Certificate No: 3681 Expiry Date: 20 December, 2028.

Syzygium smithii
 Small Leaf Lilly Pilly

‘Sunrise’[Ⓛ]

Application No: 2006/298 Grantee: **Wirreanda Nursery**, Ingleside, NSW.
 Certificate No: 3628 Expiry Date: 14 October, 2028.

Syzygium australe
 Lilly Pilly

‘AATS’[Ⓛ]

Application No: 2006/127 Grantee: **John Crump**.
 Certificate No: 3645 Expiry Date: 2 December, 2033.
 Agent: **Ozbreed Pty Ltd**, Richmond, NSW.

Vaccinium hybrid
 Southern Highbush Blueberry

‘C95-12’[Ⓛ]

Application No: 2007/271 Grantee: **BerryExchange (a division of CostaExchange Ltd)**,
 Range Rd, NSW.
 Certificate No: 3664 Expiry Date: 16 December, 2028.

‘C95-115’[Ⓛ]

Application No: 2007/270 Grantee: **BerryExchange (a division of CostaExchange Ltd)**, Range Rd,
 NSW.
 Certificate No: 3663 Expiry Date: 16 December, 2028.

‘C00-09’[Ⓛ]

Application No: 2007/269 Grantee: **BerryExchange (a division of CostaExchange Ltd)**, Range Rd, NSW.

Certificate No: 3662 Expiry Date: 16 December, 2028.

‘C01-43’[Ⓛ]

Application No: 2007/272 Grantee: **BerryExchange (a division of CostaExchange Ltd)**, Range Rd, NSW.

Certificate No: 3665 Expiry Date: 16 December, 2028.

‘C97-41’[Ⓛ]

Application No: 2007/273 Grantee: **BerryExchange (a division of CostaExchange Ltd)**, Range Rd, NSW.

Certificate No: 3666 Expiry Date: 16 December, 2028.

‘Springhigh’[Ⓛ]

Application No: 2007/263 Grantee: **Florida Foundation Seed Producers, Inc.**

Certificate No: 3656 Expiry Date: 16 December, 2028.

Agent: **BerryExchange (a division of CostaExchange Ltd)**, Range Rd, NSW.

‘FL92-84’[Ⓛ]

Application No: 2007/266 Grantee: **Florida Foundation Seed Producers, Inc.**

Certificate No: 3657 Expiry Date: 16 December, 2028.

Agent: **BerryExchange (a division of CostaExchange Ltd)**, Range Rd, NSW.

‘Sweetcrisp’[Ⓛ]

Application No: 2007/262 Grantee: **Florida Foundation Seed Producers, Inc.**

Certificate No: 3655 Expiry Date: 16 December, 2028.

Agent: **BerryExchange (a division of CostaExchange Ltd)**, Range Rd, NSW.

Zoysia macrantha

Prickly Couch Coast Couch

‘A-1’[Ⓛ]

Application No: 2008/091 Grantee: **GeneGro Pty Ltd**, Alexandra Hills, QLD.

Certificate No: 3649 Expiry Date: 16 December, 2028.

‘MAC03’[Ⓛ] syn **Nara**[Ⓛ]

Application No: 2007/275 Grantee: **Ozbreed Pty Ltd**, Richmond, NSW.

Certificate No: 3654 Expiry Date: 16 December, 2028.

Denomination/Synonym Changed								
Application No	Type	GENUS	SPECIES	VARIETY	SYNONYM	Changed From	Changed To	Common name
2007/301	Denomination	<i>Actinotus</i>	<i>helianthi</i>	White Romance		Shooting-Star	White Romance	Flannel Flower
2008/126	Denomination	<i>Lomandra</i>	<i>longifolia</i>	LL164		LI 164	LL164	Spiny Headed Mat Rush
2005/344	Denomination	<i>Medicago</i>	<i>sativa</i>	ALA Pegasis		Pegasis	ALA Pegasis	Lucerne
2007/319	Denomination	<i>Olea</i>	<i>europaea</i>	Sikitita		Chiquitita	Sikitita	Olive
2008/201	Denomination	<i>Petunia</i>	<i>hybrida</i>	Kirimaji Double BlueVelvet		Kirimaji Double Blue Velvet	Kirimaji Double BlueVelvet	Petunia
2004/289	Denomination	<i>Triticum</i>	<i>aestivum</i>	Livingston		SUN389A	Livingston	Wheat
2008/353	Synonym	<i>Aloe</i>	hybrid	LEO 1730	Southern Cross		Southern Cross	Aloe
2008/351	Synonym	<i>Aloe</i>	hybrid	LEO 3676B	Copper Shower		Copper Shower	Aloe
2008/355	Synonym	<i>Aloe</i>	hybrid	LEO 4120	Topaz		Topaz	Aloe
2008/352	Synonym	<i>Aloe</i>	hybrid	LEO 4325	Diana		Diana	Aloe
2008/354	Synonym	<i>Aloe</i>	hybrid	LEO 8547	Gemini		Gemini	Aloe
2008/168	Synonym	<i>Argyranthemum</i>	<i>frutescens</i>	BONMADCINK	Pink Crested	Pink Double	Pink Crested	Marguerite Daisy
2008/170	Synonym	<i>Argyranthemum</i>	<i>frutescens</i>	BONMADCREL	Yellow Crested	Yellow Double	Yellow Crested	Marguerite Daisy

Assignment of Rights

APPLINUM	Changed From	Changed To	Genus	Species	Variety	Common Name
1995/127	RJ &ML Pty Limited	Turf Management Pty Limited	<i>Cynodon</i>	<i>dactylon</i>	Riley's Super Sport	Couchgrass
1998/053	RJ &ML Pty Limited	Turf Management Pty Limited	<i>Cynodon</i>	<i>dactylon</i>	Riley's Evergreen	Couchgrass
1998/249	Austem Group Pty Ltd	Goldsash Corporation Pty Ltd.	<i>Chamelaucium</i>	<i>uncinatum</i>	Dancing Queen	Waxflower
1998/250	Austem Group Pty Ltd	Goldsash Corporation Pty Ltd.	<i>Chamelaucium</i>	hybrid	My Sweet Sixteen	Waxflower
1995/136	CSIRO	Progressive Seeds Pty Ltd.	<i>Digitaria</i>	<i>milianjiana</i>	Strickland	Digitaria
1997/052	CSIRO	Progressive Seeds Pty Ltd.	<i>Uruchloa</i>	<i>mosambicensis</i>	Saraji	Urochloa
2005/342	Value Added Wheat CRC Limited	University of Sydney	<i>xTriticosecale</i>		Breakwell	Triticale
2008/043	Value Added Wheat CRC Limited	University of Sydney	<i>xTriticosecale</i>		Endeavour	Triticale
2008/044	Value Added Wheat CRC Limited	University of Sydney	<i>xTriticosecale</i>		Tobruk	Triticale
2004/253	Value Added Wheat CRC Limited	George Weston Foods Limited	<i>Triticum</i>	<i>aestivum</i>	VAW51	Wheat
2004/254	Value Added	George Weston Foods	<i>Triticum</i>	<i>aestivum</i>	VAW59	Wheat

	Wheat CRC Limited	Limited				
2004/255	Value Added Wheat CRC Limited	George Weston Foods Limited	<i>Triticum</i>	<i>aestivum</i>	VAW64	Wheat
2001/304	Value Added Wheat CRC Limited	Allied Mills Australia Pty Ltd, Arnotts Biscuits Ltd.	<i>Triticum</i>	<i>aestivum</i>	QAL2000	Wheat
2002/181	Value Added Wheat CRC Limited	Allied Mills Australia Pty Ltd, Arnotts Biscuits Ltd.	<i>Triticum</i>	<i>aestivum</i>	QALBis	Wheat
2006/291	Value Added Wheat CRC Limited	Allied Mills Australia Pty Ltd, Arnotts Biscuits Ltd.	<i>Triticum</i>	<i>aestivum</i>	QAL1064	Wheat
2006/292	Value Added Wheat CRC Limited	Allied Mills Australia Pty Ltd, Arnotts Biscuits Ltd.	<i>Triticum</i>	<i>aestivum</i>	QAL3362	Wheat
2008/045	Value Added Wheat CRC Limited	Allied Mills Australia Pty Ltd, Arnotts Biscuits Ltd.	<i>Triticum</i>	<i>aestivum</i>	QAL51021	Wheat

Change of Agent							
Application No.	Variety	Genus	Species	Synonym	Common Name	Changed From	Changed To
2007/337	Konevotio	<i>Alstroemeria</i>	hybrid		Peruvian Lily	David Nichols - postal address for service of notice on the applicant Konst Breeding BV	Ball Australia- postal address for service of notice on the applicant Konst Breeding B.V.
1994/191	ARUBA	<i>Alstroemeria</i>	hybrid		Peruvian Lily	David Nichols - postal address for the service of notices on the applicant Konst Breeding B.V.	Ball Australia - postal address for the service of notices on the applicant Konst Alstremeria BV
2003/058	Kano	<i>Lolium</i>	<i>multiflorum</i>		Italian Ryegrass	Duncan Cotterill	Cropmark Seeds Australia Pty Limited
2001/206	Matrix	<i>Lolium</i>	hybrid		Hybrid ryegrass	Duncan Cotterill	Cropmark Seeds Australia Pty Limited
2008/033	Konratus	<i>Alstroemeria</i>	hybrid		Peruvian Lily	David Nichols - postal address for service of notice on the applicant Konst Breeding BV	Ball Australia- postal address for service of notice on the applicant Konst Breeding B.V.
2008/116	Early Cripps Pink	<i>Malus</i>	<i>domestica</i>		Apple		W F Montague PTY LTD
2004/009	Kofuji	<i>Alstroemeria</i>	hybrid		Peruvian Lily	David Nichols - postal address for service of notice on the applicant Konst Breeding BV	Ball Australia- postal address for service of notice on the applicant Konst Breeding B.V.
2007/336	Konpulse	<i>Alstroemeria</i>	hybrid		Peruvian Lily	David Nichols - postal address for service of notice on the applicant Konst Breeding BV	Ball Australia- postal address for service of notice on the applicant Konst Breeding B.V.
2006/084	Konimpa	<i>Alstroemeria</i>	hybrid		Peruvian Lily	David Nichols - postal address for service of notice on the applicant Konst Breeding BV	Ball Australia- postal address for service of notice on the applicant Konst Breeding B.V.
2004/124	Konovatio	<i>Alstroemeria</i>	hybrid		Peruvian Lily	David Nichols - postal address for service of notice on the applicant Konst Breeding BV	Ball Australia- postal address for service of notice on the applicant Konst Breeding B.V.
1999/365	Jamaica	<i>Alstroemeria</i>	hybrid		Peruvian Lily	David Nichols - postal address for service of notice on the applicant Konst Breeding BV	Ball Australia- postal address for service of notice on the applicant Konst Breeding B.V.
1996/013	VIENNA	<i>Alstroemeria</i>	hybrid		Peruvian Lily	David Nichols - postal address for the service of notices on the applicant Konst Breeding B.V.	Ball Australia - postal address for the service of notices on the applicant Konst Alstremeria BV
2004/125	Kogoa	<i>Alstroemeria</i>	hybrid		Peruvian Lily	David Nichols - postal address for service of notice on the applicant Konst Breeding BV	Ball Australia- postal address for service of notice on the applicant Konst Breeding B.V.
2002/096	Napoli	<i>Alstroemeria</i>	hybrid		Peruvian Lily	David Nichols - postal address for service of notice on the applicant Konst Breeding BV	Ball Australia- postal address for service of notice on the applicant Konst Breeding B.V.

2006/080	Konsirak	<i>Alstroemeria</i>	hybrid		Peruvian Lily	David Nichols - postal address for service of notice on the applicant Konst Breeding BV	Ball Australia- postal address for service of notice on the applicant Konst Breeding B.V.
2006/081	Konzifer	<i>Alstroemeria</i>	hybrid		Peruvian Lily	David Nichols - postal address for service of notice on the applicant Konst Breeding BV	Ball Australia- postal address for service of notice on the applicant Konst Breeding B.V.
2006/082	Koncalga	<i>Alstroemeria</i>	hybrid		Peruvian Lily	David Nichols - postal address for service of notice on the applicant Konst Breeding BV	Ball Australia- postal address for service of notice on the applicant Konst Breeding B.V.
2006/083	Konsacram	<i>Alstroemeria</i>	hybrid		Peruvian Lily	David Nichols - postal address for service of notice on the applicant Konst Breeding BV	Ball Australia- postal address for service of notice on the applicant Konst Breeding B.V.
2002/097	Fuego	<i>Alstroemeria</i>	hybrid		Peruvian Lily	David Nichols - postal address for service of notice on the applicant Konst Breeding BV	Ball Australia- postal address for service of notice on the applicant Konst Breeding B.V.
2008/032	Konamul	<i>Alstroemeria</i>	hybrid		Peruvian Lily	David Nichols - postal address for service of notice on the applicant Konst Breeding BV	Ball Australia- postal address for service of notice on the applicant Konst Breeding B.V.
1999/367	Kodream	<i>Alstroemeria</i>	hybrid	Inca Dream	Peruvian Lily	David Nichols - postal address for service of notice on the applicant Konst Breeding BV	Ball Australia- postal address for service of notice on the applicant Konst Breeding B.V.
1989/091	PALOMA	<i>Alstroemeria</i>	hybrid		Peruvian Lily	David Nichols - postal address for the service of notices on the applicant Konst Breeding B.V.	Ball Australia - postal address for the service of notices on the applicant Konst Alstremeria BV
1994/192	JAVA	<i>Alstroemeria</i>	hybrid		Peruvian Lily	David Nichols - postal address for the service of notices on the applicant Konst Breeding B.V.	Ball Australia - postal address for the service of notices on the applicant Konst Alstremeria BV
1995/198	YELLOW LUNA	<i>Alstroemeria</i>	hybrid		Peruvian Lily	David Nichols - postal address for the service of notices on the applicant Konst Breeding B.V.	Ball Australia - postal address for the service of notices on the applicant Konst Alstremeria BV
1998/031	Amazon	<i>Alstroemeria</i>	hybrid	Inca Spice	Peruvian Lily	David Nichols - postal address for the service of notices on the applicant Konst Breeding B.V.	Ball Australia - postal address for the service of notices on the applicant Konst Alstremeria BV
1998/030	Delta	<i>Alstroemeria</i>	hybrid	Inca Salsa	Peruvian Lily	David Nichols - postal address for the service of notices on the applicant Konst Breeding B.V.	Ball Australia - postal address for the service of notices on the applicant Konst Alstremeria BV
1993/112	SYDNEY	<i>Alstroemeria</i>	hybrid		Peruvian Lily	David Nichols - postal address for the service of notices on the applicant Konst Breeding B.V.	Ball Australia - postal address for the service of notices on the applicant Konst Alstremeria BV

1998/026	Soleil	<i>Alstroemeria</i>	hybrid		Peruvian Lily	David Nichols - postal address for the service of notices on the applicant Konst Breeding B.V.	Ball Australia - postal address for the service of notices on the applicant Konst Alstremeria BV
1998/032	Miami	<i>Alstroemeria</i>	hybrid	Carise Miami	Peruvian Lily	David Nichols - postal address for the service of notices on the applicant Konst Breeding B.V.	Ball Australia - postal address for the service of notices on the applicant Konst Alstremeria BV
1998/034	Roma	<i>Alstroemeria</i>	hybrid	Pink Roma	Peruvian Lily	David Nichols - postal address for the service of notices on the applicant Konst Breeding B.V.	Ball Australia - postal address for the service of notices on the applicant Konst Alstremeria BV
1993/267	ANDES	<i>Alstroemeria</i>	hybrid		Peruvian Lily	David Nichols - postal address for the service of notices on the applicant Konst Breeding B.V.	Ball Australia - postal address for the service of notices on the applicant Konst Alstremeria BV
1989/089	LA PAZ	<i>Alstroemeria</i>	hybrid		Peruvian Lily	David Nichols - postal address for the service of notices on the applicant Konst Breeding B.V.	Ball Australia - postal address for the service of notices on the applicant Konst Alstremeria BV
1989/093	SERENA	<i>Alstroemeria</i>	hybrid		Peruvian Lily	David Nichols - postal address for the service of notices on the applicant Konst Breeding B.V.	Ball Australia - postal address for the service of notices on the applicant Konst Alstremeria BV
1989/092	WILHELMINA	<i>Alstroemeria</i>	hybrid		Peruvian Lily	David Nichols - postal address for the service of notices on the applicant Konst Breeding B.V.	Ball Australia - postal address for the service of notices on the applicant Konst Alstremeria BV
1996/006	IBIZA	<i>Alstroemeria</i>	hybrid		Peruvian Lily	David Nichols - postal address for the service of notices on the applicant Konst Breeding B.V.	Ball Australia - postal address for the service of notices on the applicant Konst Alstremeria BV
1996/007	587B	<i>Alstroemeria</i>	hybrid		Peruvian Lily	David Nichols - postal address for the service of notices on the applicant Konst Breeding B.V.	Ball Australia - postal address for the service of notices on the applicant Konst Alstremeria BV
1996/008	583 JA	<i>Alstroemeria</i>	hybrid		Peruvian Lily	David Nichols - postal address for the service of notices on the applicant Konst Breeding B.V.	Ball Australia - postal address for the service of notices on the applicant Konst Alstremeria BV
1998/194	Komolight	<i>Alstroemeria</i>	hybrid	Inca Moonlight	Peruvian Lily	David Nichols - postal address for the service of notices on the applicant Konst Breeding B.V.	Ball Australia - postal address for the service of notices on the applicant Konst Alstremeria BV
1993/268	COBRA	<i>Alstroemeria</i>	hybrid		Peruvian Lily	David Nichols - postal address for the service of notices on the applicant Konst Breeding B.V.	Ball Australia - postal address for the service of notices on the applicant Konst Alstremeria BV
1993/266	MINERVA	<i>Alstroemeria</i>	hybrid		Peruvian Lily	David Nichols - postal address for the service of notices on the applicant Konst Breeding B.V.	Ball Australia - postal address for the service of notices on the applicant Konst Alstremeria BV

1998/192	Mini Bell	<i>Alstroemeria</i>	hybrid	Inca Blaze	Peruvian Lily	David Nichols - postal address for the service of notices on the applicant Konst Breeding B.V.	Ball Australia - postal address for the service of notices on the applicant Konst Alstremeria BV
1995/062	FRANCIS	<i>Ficus</i>	<i>benjamina</i>	FRANCIS GOLDSTAR	Weeping Fig	Ramm Botanicals Pty Ltd	Futura Promotions Pty Ltd
1991/063	SANGRIA	<i>Alstroemeria</i>	hybrid		Peruvian Lily	David Nichols - postal address for the service of notices on the applicant Konst Breeding B.V.	Ball Australia - postal address for the service of notices on the applicant Konst Alstremeria BV

Change of Applicants Name						
Changed From	Changed To	Application No.	Genus	Species	Common Name	Variety
International Malting Australia	Malteurop Australia Pty Ltd	2007/159	<i>Hordeum</i>	<i>vulgare</i>	Barley	Fairview
State of Queensland through its Department of Primary Industries and Fisheries, CSIRO, Northern Territory of Australia rep by the Department of Primary Industry, Fisheries and Mines, State of WA through its Department of Agriculture and Food	State of Queensland through its Department of Primary Industries and Fisheries, CSIRO, The Northern Territory of Australia through its Department of Regional Development, Primary Industry, Fisheries and Resources, Western Australian Agricultural Authority	2005/276	<i>Mangifera</i>	indica	Mango	NMBP4069
State of Queensland through its Department of Primary Industries and Fisheries, CSIRO, Northern Territory of Australia rep by the Department of Primary Industry, Fisheries and Mines, State of WA through its Department of Agriculture and Food	State of Queensland through its Department of Primary Industries and Fisheries, CSIRO, The Northern Territory of Australia through its Department of Regional Development, Primary Industry, Fisheries and Resources, Western Australian Agricultural Authority	2008/250	<i>Mangifera</i>	indica	Mango	NMBP1201
State of Queensland through its Department of Primary Industries and Fisheries, CSIRO, Northern Territory of Australia rep by the Department of Primary Industry, Fisheries and Mines, State of WA through its Department of Agriculture and Food	State of Queensland through its Department of Primary Industries and Fisheries, CSIRO, The Northern Territory of Australia through its Department of Regional Development, Primary Industry, Fisheries and Resources, Western Australian Agricultural Authority	2005/271	<i>Mangifera</i>	indica	Mango	NMBP4055

State of Queensland through its Department of Primary Industries and Fisheries, CSIRO, Northern Territory of Australia rep by the Department of Primary Industry, Fisheries and Mines, State of WA through its Department of Agriculture and Food	State of Queensland through its Department of Primary Industries and Fisheries, CSIRO, The Northern Territory of Australia through its Department of Regional Development, Primary Industry, Fisheries and Resources, Western Australian Agricultural Authority	2005/273	<i>Mangifera</i>	indica	Mango	NMBP9018
State of Queensland through its Department of Primary Industries and Fisheries, CSIRO, Northern Territory of Australia rep by the Department of Primary Industry, Fisheries and Mines, State of WA through its Department of Agriculture and Food	State of Queensland through its Department of Primary Industries and Fisheries, CSIRO, The Northern Territory of Australia through its Department of Regional Development, Primary Industry, Fisheries and Resources, Western Australian Agricultural Authority	2005/275	<i>Mangifera</i>	indica	Mango	NMBP1243
State of Queensland through its Department of Primary Industries and Fisheries, CSIRO, Northern Territory of Australia rep by the Department of Primary Industry, Fisheries and Mines, State of WA through its Department of Agriculture and Food	State of Queensland through its Department of Primary Industries and Fisheries, CSIRO, The Northern Territory of Australia through its Department of Regional Development, Primary Industry, Fisheries and Resources, Western Australian Agricultural Authority	2005/274	<i>Mangifera</i>	indica	Mango	NMBP1259

Withdrawn

The following varieties are no longer under provisional PBR protection

Application No.	GENUS	SPECIES	Common name	VARIETY	SYNONYM
2004/023	<i>Brassica</i>	<i>napus</i>	Canola	44C11	
2007/255	<i>Correa</i>	<i>reflexa</i>	Native Fuchsia	Multi Bella	
2000/035	<i>Daucus</i>	<i>carota</i>	Carrot	BetaKing	
2007/135	<i>Dianella</i>	<i>longifolia</i>	Smooth Flax-Lily	AU22	
2007/276	<i>Euphorbia</i>	<i>characias</i>	Spurge	Tasmanian Tiger	
2000/231	<i>Malus</i>	<i>domestica</i>	Apple	Snyder	
2005/272	<i>Mangifera</i>	<i>indica</i>	Mango	NMBP4046	
2004/100	<i>Osteospermum</i>	<i>ecklonis</i>	Cape Daisy	Akope	Orania Peach
2004/097	<i>Osteospermum</i>	<i>ecklonis</i>	Cape Daisy	Akream	Orania Cream
2000/308	<i>Osteospermum</i>	<i>ecklonis</i>	Cape Daisy	Aksinto	
2004/098	<i>Osteospermum</i>	<i>ecklonis</i>	Cape Daisy	Akterra	
2000/307	<i>Osteospermum</i>	<i>ecklonis</i>	Cape Daisy	Bamba	
2000/305	<i>Osteospermum</i>	<i>ecklonis</i>	Cape Daisy	Beira	
2005/117	<i>Pelargonium</i>	<i>peltatum</i>	Ivy Pelargonium	KLEP02038	Royal Barolo
2005/118	<i>Pelargonium</i>	<i>zonale</i>	Zonal Pelargonium	KLETARINE	
2007/169	<i>Rosa</i>	hybrid	Rose	Crown Princess Mary	Tomroyal
2007/280	<i>Rosa</i>	hybrid	Rose	Poulcs010	
2007/279	<i>Rosa</i>	hybrid	Rose	Poulcs012	
2007/277	<i>Rosa</i>	hybrid	Rose	Poultc004	
2007/278	<i>Rosa</i>	hybrid	Rose	Poultw003	
2007/042	<i>Stenotaphrum</i>	<i>secundatum</i>	Buffalo Grass	Aussie-Gold	Strike-of-Gold
1996/202	<i>Vicia</i>	<i>ervilia</i>	Bitter Vetch	CAZAR	
1998/115	<i>Vitis</i>	<i>vinifera</i>	Grape	Ribarits Red Seedless	
2007/306	<i>Brassica</i>	<i>napus</i>	Canola	Statesman TT	
2008/052	<i>Argyranthemum</i>	<i>hybrid</i>		Supa606	Surfer Girl
2007/031	<i>Echinacea</i>	<i>purpurea</i>		Little Giant	

Application Rejected				
Application No.	GENUS	SPECIES	VARIETY	Common name
2006/158	<i>Asplenium</i>	<i>australasicum</i>	Name to be advised	Crispy Birds Nest Fern

Grants Surrendered

The following varieties are no longer under PBR protection

Application No.	GENUS	SPECIES	VARIETY	SYNONM	Common name
1997/253	<i>Alstroemeria</i>	hybrid	Stalauli	Laura	Peruvian Lily
1997/061	<i>Anigozanthos</i>	hybrid	Bush Garnet		Kangaroo Paw
2003/141	<i>Anthurium</i>	<i>andraeanum</i>	Tender Love		Flamingo Flower
2001/243	<i>Anthurium</i>	hybrid	Atwenty	SmallTalk Salmon	Flamingo Flower
2003/157	<i>Arctotis</i>	hybrid	Silverdust Glow		African Daisy
2004/106	<i>Argyranthemum</i>	<i>frutescens</i>	OHAR 01241	Monte	Marguerite Daisy
2004/109	<i>Argyranthemum</i>	<i>frutescens</i>	OHAR 01245	Machio	Marguerite Daisy
2004/108	<i>Argyranthemum</i>	<i>frutescens</i>	OHAR 0132	Porto Santo	Marguerite Daisy
1992/167	<i>Boronia</i>	<i>heterophylla</i>	JUST MARGARET		Red Boronia
2004/086	<i>Brassica</i>	<i>napus</i>	Skipton		Canola
1993/164	<i>Cenchrus</i>	<i>ciliaris</i>	BELLA		Buffel Grass
1993/165	<i>Cenchrus</i>	<i>ciliaris</i>	VIVA		Buffel Grass
2004/016	<i>Citrullus</i>	<i>lanatus</i>	SP-1		Watermelon
1989/006	<i>Citrus</i>	<i>sinensis</i>	Powell Summer Navel		Sweet Orange
1989/071	<i>Fragaria</i>	hybrid	OSO GRANDE		Strawberry
1997/256	<i>Fragaria</i>	<i>xananassa</i>	Maroochy Flame		Strawberry
2003/111	<i>Fragaria</i>	<i>xananassa</i>	QHI Brighteyes		Strawberry
1988/037	<i>Glycine</i>	<i>max</i>	MANARK		Soybean
2004/050	<i>Impatiens</i>	<i>hawkeri</i>	Kiadime		New Guinea Impatiens
2004/051	<i>Impatiens</i>	<i>hawkeri</i>	Kidomia		New Guinea Impatiens
2004/048	<i>Impatiens</i>	<i>hawkeri</i>	Kiilia		New Guinea Impatiens
2004/052	<i>Impatiens</i>	<i>hawkeri</i>	Kioma		New Guinea Impatiens
2004/049	<i>Impatiens</i>	<i>hawkeri</i>	Kiotoa		New Guinea Impatiens
2004/047	<i>Impatiens</i>	<i>hawkeri</i>	Kiquilla		New Guinea Impatiens
1998/106	<i>Lablab</i>	<i>purpureus</i>	ENDURANCE		Lablab Bean
1997/185	<i>Lavandula</i>	hybrid	BELLA BAMBINA		Italian Lavender
1998/153	<i>Lavandula</i>	<i>stoechas ssp</i>	Tickled Pink		Lavender

		<i>luisieri</i>			
2004/144	<i>Lilium</i>	hybrid	Chili		Lily
2001/283	<i>Lilium</i>	hybrid	Laguna		Lily
2004/148	<i>Lilium</i>	hybrid	Valparaiso		Lily
2003/246	<i>Osteospermum</i>	<i>fruticosum</i>	Kakegawa AU1	White Mist	Cape Daisy
2003/248	<i>Osteospermum</i>	<i>fruticosum</i>	Kakegawa AU3	Purple Mist	Cape Daisy
2000/133	<i>Pelargonium</i>	<i>peltatum</i>	Kleblue	Royal Blue	Ivy Pelargonium
2000/134	<i>Pelargonium</i>	<i>peltatum</i>	Klegatta	Regatta	Ivy Pelargonium
2000/135	<i>Pelargonium</i>	<i>peltatum</i>	Klepacif	Pacifique	Ivy Pelargonium
2001/339	<i>Pelargonium</i>	<i>peltatum</i>	Kleroder	Royal Red	Ivy Pelargonium
2001/338	<i>Pelargonium</i>	<i>peltatum</i>	Kleropur	Royal Purple	Ivy Pelargonium
2000/131	<i>Pelargonium</i>	<i>zonale</i>	Klecona	Arcona 2000	Zonal Pelargonium
2001/340	<i>Pelargonium</i>	<i>zonale</i>	Klejana	Eroica 2000	Zonal Pelargonium
2000/128	<i>Pelargonium</i>	<i>zonale</i>	Klelad	Lady	Zonal Pelargonium
2000/129	<i>Pelargonium</i>	<i>zonale</i>	Klelesmo	Lesmona	Zonal Pelargonium
2000/132	<i>Pelargonium</i>	<i>zonale</i>	Klesail	Sailing	Zonal Pelargonium
2000/130	<i>Pelargonium</i>	<i>zonale</i>	Klesetra	Ecco Extra	Zonal Pelargonium
2003/081	<i>Philotheca</i>	<i>myoporoides</i>	Moon Shadow		Long Leaved Waxflower
1999/227	<i>Pisum</i>	<i>sativum</i>	Cooke		Field Pea
1996/067	<i>Rosa</i>	hybrid	JUMPIN'JACK	JACPAT	Rose
1994/092	<i>Rosa</i>	hybrid	KORBACOL	TEXAS	Rose
1994/093	<i>Rosa</i>	hybrid	KORCILMO	ESCIMO	Rose
1997/206	<i>Rosa</i>	hybrid	KORHOCO	VITAL	Rose
1997/203	<i>Rosa</i>	hybrid	KORSULAS	LIMONA	Rose
2000/204	<i>Rosa</i>	hybrid	Ruiroskee	Sweet Unique	Rose
2002/336	<i>Rosa</i>	hybrid	Seliron		Rose
1994/097	<i>Telopea</i>	<i>speciosissima</i>	FIRE AND BRIMSTONE		Waratah
2000/243	<i>Verbena</i>	<i>xhybrida</i>	Balazdapu		Verbena
2003/128	<i>Zantedeschia</i>	hybrid	Hot Lips		Calla Lily
2003/127	<i>Zantedeschia</i>	hybrid	Hot Salmon		Calla Lily
2005/146	<i>Calibrachoa</i>	hybrid	Balcabpink		Calibrachoa

Expirations of Grant the following variety is no longer under PBR protection:

Application No.	GENUS	SPECIES	VARIETY	SYNONM	Common name
1988/028	<i>Brassica</i>	<i>napus</i>	HOBSON		Canola

Corrigenda

The botanical epithet for the following varieties has been amended from *Lavandula stoechas* to *Lavandula* hybrid due to recent evidence that suggests their putative hybrid origins are from *L. viridis* and *L. stoechas* or *L. pedunculata*.

APPLIC. NO.	VARIETY
2001/320	Bee Bold
1999/259	BEE BRIGHT
1999/260	BEE BRILLIANT
1999/262	BEE COOL
1997/184	BEE DAZZLE
2002/255	Bee Fantastic
1999/261	BEE HAPPY
2002/140	Bee Pretty
2001/321	Bee Sweet
1997/185	Bella Bambina
1999/258	BELLA MAUVE
2002/256	Bella Musk
1999/256	BELLA PINK
1999/257	BELLA PURPLE
1999/255	Bella White
2002/257	Bellaros
2005/311	Bellav
2005/312	Cocdap

Part 3 Appendices

The appendices to *Plant Varieties Journal* (**Vol. 21 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 acceptance¹, 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

¹ The time limit to pay examination fees on imported varieties can be deferred for a maximum of 12 months after the variety has been released from quarantine. Contact the PBR Office for further details.

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 10 th 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 Glenn Dale Saltgrow PO Box 575 ASHGROVE QLD 4060</p>
<p>Member Representing Users</p> <p>Vacant</p>	<p>Member Representing Consumers</p> <p>Ms Anne Pye PO Box 1538 MT BARKER SA 5251</p>
<p>Member Representing Conservation Interests</p> <p>Mr Bruce Lloyd Fairley downs 5250 Barmah-Shepparton Road TALLYGAROPNA VIC 3634</p>	<p>Member Representing Indigenous Interests</p> <p>Mr John Collyer Worn Gundidj Aboriginal Cooperative PO Box 1134 Warrnambool VIC 3280</p>
<p>Member with Appropriate Qualifications</p> <p>Mr Benny Browne Griffith Hack 509 St Kilda Road MELBOURNE VIC 3004</p>	<p>Member with Appropriate Qualifications</p> <p>Professor Brad Sherman TC Beirne School of Law The University of Queensland ST LUCIA QLD 4072</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 Paananen, Ian Richards, Graeme
Agapanthus	Paananen, Ian
Almonds	Granger, Andrew Swinburn, Garth
Alstroemeria	Paananen, Ian
Ajuga	Paananen, Ian
Apple	Buchanan, Peter Cramond, Gregory Darmody, Liz Engel, Richard Fleming, Graham Langford, Garry Mackay, Alastair Malone, Michael Mitchell, Leslie Portman, Anthony Scholefield, Peter Tancred, Stephen Valentine, Bruce

Anigozanthos	Paananen, Ian Kirby, Greg Smith, Daniel
Anthurium	Paananen, Ian
Aroid	Harrison, Peter
Avocado	Lye, Colin Edwards, Arthur MacGregor, Alison Owen-Turner, John Parr, Wayne Swinburn, Garth Whiley, Tony
Azalea	Barrett, Mike Hempel, Maciej Paananen, Ian
Barley (Common)	Collins, David Downes, Ross Khan, Akram Platz, Greg Rhodes, Phil Saunders, James
Berry Fruit	Darmody, Liz Fleming, Graham Greer, Neil Scholefield, Peter Zorin, Margaret
Blackberry (<i>Rubus</i> sp)	Paananen, Ian
Blandfordia	Treverrow, Florence
Blueberry	Paananen, Ian Scalzo, Jessica Zorin, Margaret
Bougainvillea	Iredell, Janet Willa Prince, John
Brachyscome	Paananen, Ian

Brassica

Bannan, Nathaniel
 Chequer, Robert
 Cooper, Kath
 Downes, Ross
 Easton, Andrew
 Fennell, John
 Gororo, Nelson
 Johnston, Evan
 Kadkol, Gururaj
 Laker, Richard
 Light, Kate
 McMichael, Prue
 Rhodes, Phil
 Rudolph, Paul
 Sanders, Milton
 Saunders, James
 Scholefield, Peter
 Mouwen, Heidi
 Watson, Brigid
 Zadow, Diane

 Brunia

 Dunstone, Bob

 Buddleia

 Robb, John
 Paananen, Ian

 Buffalo Grass

 Paananen, Ian

 Calibrachoa

 Paananen, Ian

 Camellia

 Paananen, Ian
 Robb, John

 Cannabis

 Calabria, Patrick

 Carnation/Dianthus

 Paananen, Ian

Cereals	Bullen, Kenneth Collins, David Cook, Bruce Cooper, Kath Downes, Ross Fennell, John Hare, Raymond Harrison, Peter Henry, Robert J Johnston, Evan Khan, Akram Mitchell, Leslie Moore, Stephen Oates, John Platz, Greg Porter, Richard Poulsen, David Rhodes, Phil Roake, Jeremy Rose, John Saunders, James Scattini, Walter John Siedel, John Watson, Brigid Wilson, Frances
Cherry	Cramond, Gregory Darmody, Liz Fleming, Graham Granger, Andrew Mackay, Alastair Mitchell, Leslie Pumpa, Lucy Scholefield, Peter
Chickpeas	Downes, Ross Collins, David Goulden, David Rhodes, Phil Saunders, James
Chrysanthemum	Paananen, Ian
Citrus	Calabria, Patrick Edwards, Arthur Lee, Slade MacGregor, Alison Mitchell, Leslie Owen-Turner, John Parr, Wayne Scholefield, Peter Swinburn, Garth Sykes, Stephen Topp, Bruce
Clivia	Smith, Kenneth

Clover	Bannan, Nathaniel Downes, Ross James, Jennifer Johnston, Evan Lake, Andrew Miller, Jeff Mitchell, Leslie Nichols, Phillip Porter, Richard Rhodes, Phil Saunders, James Watson, Brigid
Cotton	Khan, Akram Leske, Richard
Cucurbits	Herrington, Mark McMichael, Prue Rhodes, Phil Scholefield, Peter Sykes, Stephen
Dianella	Paananen, Ian
Dogwood	Darmody, Liz Fleming, Graham
Echinacea	Paananen, Ian
Eucalyptus	Paananen, Ian
Euphorbia	Paananen, Ian
Feijoa	Parr, Wayne Scholefield, Peter
Fibre Crops	Gillespie, David Khan, Akram
Fig	Darmody, Liz Fleming, Graham Parr, Wayne
Flower Bulbs	Verdegaal, John
Forage Brassicas	Goulden, David Rhodes, Phil Saunders, James
Forage Grasses	Bannan, Nathaniel Downes, Ross Fennell, John Harrison, Peter Johnston, Evan Kirby, Greg Mitchell, Leslie Rhodes, Phil Smith, Kevin Watson, Brigid

Forage Legumes	Downes, Ross Fennell, John Foster, Kevin Harrison, Peter Hill, Jeff James, Jennifer Lake, Andrew Miller, Jeff Porter, Richard Rhodes, Phil Saunders, James Siedel, John
Fruit	Cramond, Gregory Darmody, Liz Delaporte, Kate Fleming, Graham Gillespie, David Granger, Andrew Kennedy, Peter Lenoir, Roland McCarthy, Alec Mitchell, Leslie Parr, Wayne Portman, Sian Pumpa, Lucy Schapel, Amanda Scholefield, Peter
Fuchsia	Paananen, Ian
Gerbera	Paananen, Ian
Ginger	Smith, Mike Whiley, Tony
Grapes	Burne, Peter Darmody, Liz Delaporte, Kate Farquhar, Wayne Fleming, Graham Lee, Slade Lye, Colin MacGregor, Alison Mitchell, Leslie Paananen, Ian Parr, Wayne Porter, Richard Pumpa, Lucy Schapel, Amanda Scholefield, Peter Smith, Daniel Swinburn, Garth Sykes, Stephen Valentine, Bruce

Grevillea	Dunstone, Bob Herrington, Mark Paananen, Ian
Gypsophila	Paananen, Ian
Hardenbergia	Dunstone, Bob
Hops (<i>Humulus</i> sp)	Paananen, Ian
Hydrangea	Hanger, Brian Paananen, Ian
Impatiens	Paananen, Ian
Jojoba	Dunstone, Bob
Kalanchoe	Paananen, Ian
Lavender	Paananen, Ian
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 Loch, Don Mitchell, Leslie Rhodes, Phil Rose, John Saunders, James Siedel, John
Lentils	Collins, David Downes, Ross Goulden, David Khan, Akram Porter, Richard Rhodes, Phil Saunders, James
Lilium	Paananen, Ian
Liriope	Paananen, Ian
Lomandra	Paananen, Ian

Lucerne	Bannan, Nathaniel Downes, Ross Johnston, Evan Lake, Andrew Mitchell, Leslie Nichols, Phillip Porter, Richard Rhodes, Phil Saunders, James
Lupin	Collins, David Sanders, Milton Rhodes, Phil Saunders, James
Magnolia	Paananen, Ian
Mandevilla	Paananen, Ian
Mango	Lye, Colin Owen-Turner, John Mitchell, Leslie Parr, Wayne Whiley, Tony
Myrtaceae	Dunstone, Bob
Native grasses	Paananen, Ian Quinn, Patrick
Oat	Collins, David Downes, Ross Khan, Akram Platz, Greg Rhodes, Phil Saunders, James
Oilseed crops	Downes, Ross Poulsen, David Siedel, John Rhodes, Phil Saunders, James
Olives	Bazzani, Mr Luigi Granger, Andrew
Onions	Bannan, Nathaniel Fennell, John Khan, Akram Laker, Richard McMichael, Prue Scholefield, Peter Rhodes, Phil

Ornamentals - Exotic

Abell, Peter
Armitage, Paul
Angus, Tim
Barth, Gail
Collins, Ian
Cunneen, Thomas
Darmody, Liz
Delaporte, Kate
Eggleton, Steve
Fisk, Anne Marie
Fleming, Graham
Guy, Gareme
Harrison, Dion
Harrison, Peter
Hempel, Maciej
Johnston, Margaret
Khan, Akram
Kulkarni, Vinod
Lamont, Greg
Larkman, Clive
Lenoir, Roland
Lowe, Greg
Lunghusen, Mark
Marcsik, Doris
McMichael, Prue
Milne,Carolynn
Mitchell, Hamish
Mitchell, Leslie
Oates, John
O'Brien, Shaun
Paananen, Ian
Prescott, Chris
Prince, John
Robb, John
Pumpa, Lucy
Schapel, Amanda
Scholefield, Peter
Singh, Deo
Smith, Daniel
Stewart, Angus
Van der Staay,
Rosemaree Anne
Watkins, Phillip
Watkinson, Andrew

Ornamentals - Indigenous

Abell, Peter
 Allen, Paul
 Angus, Tim
 Barrett, Mike
 Barth, Gail
 Cunneen, Thomas
 Delaporte, Kate
 Downes, Ross
 Eggleton, Steve
 Granger, Andrew
 Harrison, Dion
 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
 Oates, John
 O'Brien, Shaun
 Paananen, Ian
 Prince, John
 Pumpa, Lucy
 Schapel, Amanda
 Scholefield, Peter
 Singh, Deo
 Slater, Tony
 Smith, Daniel
 Tan, Beng
 Watkins, Phillip

 Ornithopus

 Foster, Kevin
 Nichols, Phillip

 Osmanthus

 Paananen, Ian
 Robb, John

 Osteospermum

 Paananen, Ian

Pastures & Turf	Anderson, Malcolm Avery, Angela Bannan, Nathaniel Cameron, Stephen Cook, Bruce Downes, Ross Harrison, Peter Kemp, Stuart Kirby, Greg James, Jennifer Loch, Don McMaugh, Peter Miller, Jeff Mitchell, Leslie Neylan, John Paananen, Ian Porter, Richard Rhodes, Phil Rose, John Saunders, James Smith, Raymond Scattini, Walter John Smith, Kevin Wilkes, Gregory Wilson, Frances Zorin, Margaret
Peanut	Cruickshank, Alan George, Doug
Pear	Cramond, Gregory Darmody, Liz Engel, Richard Fleming, Graham Langford, Garry Mackay, Alastair Malone, Michael Paananen, Ian Portman, Anthony Scholefield, Peter Tancred, Stephen Valentine, Bruce
Pelargonium	Paananen, Ian
Persimmon	Parr, Wayne Swinburn, Garth
Petunia	Paananen, Ian
Philodendron	Paananen, Ian
Philotheca	Dunstone, Bob
Phormium	Paananen, Ian
Photinia	Robb, John

Pistacia	Richardson, Clive Sykes, Stephen
Pisum	Downes, Ross Goulden, David McMichael, Prue Rhodes, Phil Sanders, Milton Saunders, James
Potatoes	Delaporte, Kate Fennell, John Friemond, Terry Guertsen, Paul Hill, Jim Johnston, Evan McMichael, Prue Pumpa, Lucy Rhodes, Phil Saunders, James Schapel, Amanda Scholefield, Peter Slater, Tony Smith, Daniel Wilson, Graeme
Proteaceae	Barth, Gail Kirby, Neil Paananen, Ian Robb, John Scholefield, Peter Smith, Daniel
Prunus	Buchanan, Peter Calabria, Patrick Cramond, Gregory Darmody, Liz Engel, Richard Fleming, Graham Granger, Andrew Kennedy, Peter Mackay, Alastair Malone, Michael Portman, Anthony Richards, Graeme Topp, Bruce Wilkes, Gregory Witherspoon, Jennifer
Pulse Crops	Collins, David Downes, Ross Graetz, Darren Oates, John Porter, Richard Poulsen, David Rhodes, Phil Saunders, James

Raspberry	Darmody, Liz Fleming, Graham Herrington, Mark Scholefield, Peter Zorin, Margaret
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Rhododendron	Barrett, Mike Paananen, Ian
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Rose	Barrett, Mike Darmody, Liz Delaporte, Kate Fleming, Graham Hanger, Brian Lee, Peter McKirdy, Simon Paananen, Ian Prescott, Chris Pumpa, Lucy Schapel, Amanda Scholefield, Peter Smith, Daniel Swane, Geoff Syrus, A Kim
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Scaevola	Paananen, Ian
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Sesame	Bennett, Malcolm Harrison, Peter Imrie, Bruce
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Sorghum	Khan, Akram
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Soybean	Harrison, Peter James, Andrew
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Spathiphyllum	Paananen, Ian
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Spices and Medicinal Plants	Hoxha, Adriana Khan, Akram
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Stone Fruit	Barrett, Mike Cramond, Gregory Darmody, Liz Fleming, Graham Granger, Andrew Kennedy, Peter MacGregor, Alison Mackay, Alistair Malone, Michael Scholefield, Peter Swinburn, Garth Valentine, Bruce
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Strawberry	Herrington, Mark Mitchell, Leslie Morrison, Bruce Scholefield, Peter Zorin, Margaret
Sugarcane	Cox, Mike Piperidis, George
Sunflower	George, Doug
Tomato	Herrington, Mark Khan, Akram Laker, Richard McMichael, Prue Rhodes, Phil Scholefield, Peter Smith, Daniel
Tree Crops	McRae, Tony
	Downes, Ross Collins, David Cooper, Kath Rhodes, Phil Saunders, James
Tropical/Sub-Tropical Crops	Fittler, Michael Harrison, Peter Kulkarni, Vinod Parr, Wayne Scholefield, Peter Whiley, Tony
Umbrella Tree	Paananen, Ian
Vegetables	Bannan, Nathaniel Delaporte, Kate Fennell, John Frkovic, Edward Gillespie, David Harrison, Peter Hoxha, Adriana Khan, Akram Laker, Richard Lenoir, Roland MacGregor, Alison McMichael, Prue Oates, John O'Connor, Lauren Pearson, Craig Pumpa, Lucy Rhodes, Phil Schapel, Amanda Scholefield, Peter Smith, Daniel Westra Van Holthe, Jan
Verbena	Paananen, Ian

Walnut	Mitchell, Leslie
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Wheat (Aestivum & Durum Groups)	Collins, David Downes, Ross Fittler, Michael Hoxha, Adriana Kadkol, Gururaj Khan, Akram Platz, Greg Rhodes, Phil Saunders, James Sanders, Milton
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Zantedeschia	Paananen, Ian
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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
Bannan, Nathaniel	03 8318 9019 03 8318 9002 fax	Australia
Barrett, Mike	0429 720 013 mobile 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
Buchanan, Peter	07 4615 2182 07 4615 2183 fax	Eastern Australia
Burne, Peter	08 8582 0338 ph 08 8583 2104 fax 0418 834 102 mobile	South 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
Cooper, Kath	08 8339 3049 0429 191 848 mobile	South 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
Darmody, Liz	03 9756 6105 03 9752 0005 fax	Australia
Delaporte, Kate	08 8373 2488 08 8373 2442 fax 0427 394 240 mobile	South Australia
Downes, Ross	02 4474 0456 ph 02 4474 0476 fax 0402472601 mobile	ACT, South East Australia

Dunstone, Bob	02 6281 1754 ph/fax	South East NSW
Easton, Andrew	07 4690 2666	QLD and NSW
Edwards, Arthur	07 4630 1063 fax 08 8586 1232 08 8595 1394 fax 0409 609 300 mobile	SE Australia
Eggleton, Steve	03 9876 1097 03 9876 1696 fax	Melbourne Region
Engel, Richard	08 9397 5941 08 9397 5941 fax	WA
Fennell, John	08 8369 8840 08 8389 8899 fax 0401 121 891 mobile	Australia
Farquhar, Wayne	08 85657000 08 85657011 fax	South Australia
Fittler, Michael	02 6773 2522 02 6773 3238	NSW
Fleming, Graham	03 9756 6105 03 9752 0005 fax	Australia
Friemond, Terry	08 9203 6720 08 9203 6720 fax 0438 915 811 mobile	Western 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, Dion	07 5460 1313 07 5460 1283 fax	south east QLD and northern NSW
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	Southern Queensland
	07 5441 2235 fax	
Hill, Jeff	08 8303 9487	South Australia
	08 8303 9607 fax	
Hill, Jim	03 6428 2519	Australia
	03 6428 2049 fax	
	0428 262 765 mobile	
Hockings, David	07 5494 3385 ph/fax	Southern Queensland
Hoxha, Adriana	02 9351 8813	NSW
	0427 507 621 mobile/fax	
Imrie, Bruce	02 4474 0951	SE Australia
	02 4474 0952	
	imriesc@sci.net.au	
Iredell, Janet Willa	07 3202 6351 ph/fax	SE Queensland
Jack, Brian	08 9952 5040	South West WA
	08 9952 5053 fax	
James, Andrew	07 3214 2278	Australia
	07 3214 2272 fax	
James, Jennifer	+64 6 3518214	Manawatu Region, New Zealand
Johnston, Evan	64 3358 1745	Canterbury, New Zealand
	0214 417 13 mobile	
Johnston, Margaret	07 5460 1240	SE Queensland
	07 5460 1455 fax	
Kadkol, Gururaj	03 5382 1269	North Western Victoria
	03 5381 1210 fax	
Kemp, Stuart	03 8390 8150	SE Australia
	0437 278 873 mobile	
Kennedy, Peter	02 6382 7600	New South Wales
	02 6382 2228 fax	
Khan, Akram	02 9351 8821	New South Wales
	02 9351 8875 fax	
Kirby, Greg	08 8201 2176	South Australia
	08 8201 3015 fax	
Kirby, Neil	02 4754 2637	New South Wales
	02 4754 2640 fax	
Knights, Edmund	02 6763 1100	North Western NSW
	02 6763 1222 fax	
Kulkarni, Vinod	08 8945 2942	Australia
	0412 681 800 mobile	
Lake, Andrew	08 8177 0558	SE Australia
	0418 818 798 mobile	
	lake@arcom.com.au	
Laker, Richard	08 87258987	Australia
	08 8723 0142 fax	
	0417 855 592 mobile	
Lamont, Greg	02 8778 5388	Sydney region
	02 9734 9866 fax	
Langford, Garry	03 6266 4344	Australia
	03 6266 4023 fax	
	0418 312 910 mobile	
Larkman, Clive	03 9735 3831	Victoria
	03 9739 6370	
	larkman@tpgi.com.au	
Lee, Peter	03 6330 1147	SE Australia
	03 6330 1927 fax	
Lee, Slade	02 6620 3410	Queensland/Northern New South
	02 6622 2080 fax	Wales
Lenoir, Roland	02 6231 9063 ph/fax	Australia

Leske, Richard	07 4671 3136	Cotton growing regions of QLD & NSW
	07 4671 3113 fax	Victoria
Light, Kate	03 5362 2175	
	0419 145 768 mobile	Queensland
Loch, Don	07 3286 1488	
	07 3286 3094 fax	
Lowe, Greg	02 4389 8750	Sydney, Central Coast NSW
	02 4389 4958 fax	
	0411 327390 mobile	
Lullfitz, Robert	08 9447 6360	South West WA
Lunghusen, Mark	03 5998 2083	Melbourne & environs
	03 5998 2089 fax	
	0407 050 133 mobile	
Lye, Colin	07 4671 0044	NT, QLD and NSW
	07 4671 0066 fax	
	0427 786 668 mobile	
MacGregor, Alison	03 5023 4644	Southern Australia – Murray Valley Region
	0419 229 713 mobile	Western Australia
Mackay, Alastair	08 9310 5342 ph/fax	
	0159 87221 mobile	
McMaugh, Peter	02 9872 7833	Australia
	02 9872 7855 fax	
Malone, Michael	+64 6 877 8196	New Zealand
	+64 6 877 4761 fax	
Marcsik, Doris	08 8999 2017	Northern Territory and Queensland
	08 8999 2049	South West WA
McCarthy, Alec	08 9780 6273	
	08 9780 6136 fax	
McKirdy, 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	
Mouwens, Heidi	07 4690 2666	QLD, NSW
	07 4630 1063	
Neylan, John	03 9886 6200	VIC, NSW, SA
	0413 620 256 mobile	
Nichols, Phillip	08 9387 7442	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	
O'Connor, Lauren	07 3359 3113	Australia
	0418 510 480 mobile	

Owen-Turner, John	07 4129 5217 07 4129 5511 fax	Burnett region, Central Queensland region
Paananen, Ian	02 4381 0051 02 8569 1896 fax 0412 826 589 mobile	Australia (based in Sydney) and New Zealand
Parr, Wayne	07 4129 4147 07 4129 4463 fax	QLD, Northern NSW
Piperidis, George	07 3331 3373 07 3871 0383 fax	QLD, Northern NSW
Platz, Greg	07 4639 8817 07 4639 8800 fax	QLD, Northern NSW
Porter, Richard	08 8431 5396 08 8431 5396 fax 0413 270 670 mobile	Adelaide region, South Australia
Portman, Anthony	08 9274 5355 08 9250 1859 fax	South-west Western Australia
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 Rhodes, Phil	03 51550255 64 3322 5405 0211 862 422 mobile phil@epr.co.nz	Victoria New Zealand
Roake, Jeremy	02 9351 8830 02 9351 8875 fax	Sydney Region
Robb, John	02 4376 1330 02 4376 1271 fax 0199 19252 mobile	Sydney, Central Coast NSW
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
Saunders, James	03 8318 9016 03 8318 9002 fax 0408 037 801 mobile	Australia
Sanders, Milton	08 9825 8087 08 9387 4388 fax 0427 031 951 mobile	Southern Australia: WA, Vic, NSW, SA
Scalzo, Jessica	+64 6975 8908 2122 689 08 mobile	New Zealand and Australia
Scattini, Walter	07 3356 0863 ph/fax	Tropical and sub-tropical Australia
Schapel, Amanda	08 8373 2488 0408 344 843 mobile	South Australia

Scholefield, Peter	08 8373 2488 08 8373 2442 fax 018 082022 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	02 4570 9069	Australia
Smith, Kevin	03 5573 0900 03 5571 1523 fax	SE Australia
Smith, Mike	07 5444 9630	SE Queensland
Smith, Stuart	03 6336 5234 03 6334 4961 fax	SE Australia
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 03 5023 5814 fax	Murray Valley Region - from Swan Hill (Vic) to Waikere (SA)
Sykes, Stephen	03 5051 3100 03 5051 3111 fax	Victoria
Syrus, A Kim	03 8556 2555 03 8556 2955 fax	Adelaide
Tan, Beng	08 9266 7168 08 9266 2495	Perth & environs
Tancred, Stephen	07 4681 2931 07 4681 4274 fax 0157 62888 mobile	QLD, NSW
Treverrow, Florence	02 6629 3359	Australia
Topp, Bruce	07 4681 1255 07 4681 1769 fax	SE QLD, Northern NSW
Valentine, Bruce	02 6361 3919 02 6361 3573 fax	New South Wales
Van der Staay, Rosemaree Anne	03 6248 6863 03 6248 7402 fax	Tasmania
Verdegaal, John	03 6458 3581 03 6458 3581 fax	Australia and New Zealand
Watkins, Phillip	08 9537 1811 08 9537 3589 fax 0416 191 472 mobile	Perth Region
Watkinson, Andrew	07 5445 6654 0409 065 266 mobile	Northern NSW and Southern QLD
Watson, Brigid	03 5688 1058 0429 702 277 mobile	Victoria
Westra Van Holthe, Jan	03 9706 3033 03 9706 3182 fax	Australia
Whiley, Tony	07 5441 5441	QLD
Wilkes, Gregory	02 4570 1358 02 4570 1314 fax 0418 642 359 mobile	Sydney region
Wilson, Frances	64 3 318 8514 64 3 318 8549 fax	Canterbury, New Zealand
Wilson, Graeme	03 5957 1200 03 5957 1210 fax	SE Australia

Zadow, Diane

03 5382 1269
03 5381 1210 fax
0419 145 763 mobile
07 3207 4306
0418 984 555

Victoria

Zorin, Margaret

Eastern Australia

Appendix 4 Index of Accredited Non-Consultant Qualified Persons

Name
Armour, David
Baelde, Arie
Baker, Grant
Bally, Ian
Bell, David
Birchall, Craig
Bernuetz, Andrew
Box, Amanda Jane
Brennan, Paul
Brewer, Lester
Brindley, Tony
Bunker, John
Bunker, Kerry
Burton, Wayne
Buselich, David
Cameron, Nick
Chesher, Wayne
Clayton-Greene, Kevin
Constable, Greg
Cook, Esther
Corcoran, Lisa
Coventry, Stewart
Craig, Andrew
Craigie, Gail
Crowhurst, Alan
Culvenor, Richard
De Betue, Remco
de Koning, Carolyn
Done, Anthony
Donnelly, Peter
Downe, Graeme
Eastwood, Russell
Eglinton, Jason
Elliott, Philip
Evans, Pedro
Eykamp, Donald
Eyles, Gary
Fitzgibbon, John
Flett, Peter
Geary, Judith
Gibbons, Philip
Gillies, Leanne
Glover, Russell
Gurciullo, Gaetano
Haire, Chris
Hawkey, David
Hollamby, Gil
Hoppo, Suzanne
Howie, Jake
Hurst, Andrea

Irwin, John
Janhsen, Joanne
Johnson, Peter
Jupp, Noel
Kaehne, Ian
Katelaris, Andrew
Katz, Mark
Kebblewhite, Tony
Kempff, Stefan
Kennedy, Chris
Kobelt, Eric
Lacey, Kevin
Lawson, Marion
Leddin, Anthony
Lee, Kathryn
Leeks, Conrad
Leighton, A
Leonforte, Antonio
Lewis, Hartley
Loi, Angelo
Lowe, Russell
Lockett, David
Mack, Ian
Mackie, Julie
Mansfield, Daniel
Mason, Lloyd
Matic, Rade
Matthews, Michael
McCallum, Lesley
McDonald, David
Menzies, Kim
Miller, Kylie
Moss, Ian
Mullins, Kathleen
Mungall, Neil
Myors, Philip
Neilson, Peter
Newman, Allen
Noone, Brian
Norriss, Michael
O'Brien, Tim
O'Sullivan, Robert
Palmer, Ross
Paull, Jeff
Pearce, Bob
Porter, Gavin
Pressler, Craig
Reeve, Christopher
Reid, Peter
Reinke, Russell
Roche, Matthew
Rose, Ian
Russell, Dougal
Sanders, Milton
Sanewski, Garth

Schilg, Karl
Schreuders, Harry
Scott, Ralph
Senior, Michael
Smith, Chris
Smith, Malcolm
Smith, Raymond
Smith, Susan
Snelling, Cath
Snowball, Richard
Stiller, Warwick
Stuart, Peter
Sturgess, Eric Percy
Sutton, John
Taylor, Kerry
Trigg, Pamela
Trimboli, Daniel
Urwin, Nigel
Vater, Daniel
Vaughan, Peter
Venkatanagappa, Shoba
Venn, Neil
Verdegaal, John
Warner, Bradley
Warren, Andrew
Weatherly, Lilia
Wei, Xianming
Williams, Rex
Williams, Shannon
Wilson, Rob
Wilson, Stephen
Winter, Bruce
Wirthensohn, Michelle
Yan, Guijun
Zeppa, Aldo

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 is available from UPOV website.

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 maybe 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,	J Oates	30/6/97

			tissue culture, molecular genetics and cytology 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	M Roche	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
Proteaflorea 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.	M Lunghusen	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,	K Mullins	31/12/04

			quarantine facilities		
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, Osteospermum</i>	Controlled climate glasshouse and environment rooms, germination chamber, quarantine house, cool storage, irrigation and outdoor facilities.	M Lunghusen	30/9/05
Queensland Department of Primary Industries, Southedge Research Centre	Mareeba, QLD	<i>Mangifera</i>	Glasshouse, shadehouse, laboratory complex including biotech, propagation, outdoor facilities	I Bally	30/09/05
Blueberry Farms of Australia	Corindi Beach NSW and optional sites Tumbarumba NSW and Tasmania	<i>Vaccinium</i>	Extensive irrigated growing beds. Birds, hail and frost protection. Post harvest facilities including cool rooms. Access to tissue culture laboratories.	I Paananen	15/10/07
Ball Australia	Keysborough, VIC	<i>Kalanchoe</i>	Controlled climate glasshouse and environment rooms, germination chamber, quarantine house, cool storage, irrigation and outdoor facilities.	M Lunghusen	3/6/2008

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
Aussie Winners Pty Ltd	Redland Bay, QLD	<i>Fuchsia</i>	Comprehensive growing facilities	I Paananen
Schreurs Australia Pty Ltd	Leppington, NSW	<i>Rosa</i>	Comprehensive growing 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 2009.

APPENDIX 7

List of Classes for Variety Denomination Purposes

UPOV Variety Denomination Classes: (UPOV/INF/12/1: ANNEX I)

A Variety Denomination Should not be Used More than Once in the Same Class

For the purposes of providing guidance on the third and fourth sentences of paragraph 2 of Article 20 of the 1991 Act and of Article 13 of the 1978 Act and the 1961 Convention, variety denomination classes have been developed. A variety denomination should not be used more than once in the same class. The classes have been developed such that the botanical taxa within the same class are considered to be closely related and/or liable to mislead or to cause confusion concerning the identity of the variety.

The variety denomination classes are as follows:

(a) General Rule (one genus / one class): for genera and species not covered by the List of Classes in this Annex, a genus is considered to be a class;

(b) Exceptions to the General Rule (list of classes):

(i) classes within a genus: List of classes in this Annex: Part I;

(ii) classes encompassing more than one genus: List of classes in this Annex:

Part II.

LIST OF CLASSES

Part I*Classes within a genus*

	<u>Botanical names</u>	<u>UPOV codes</u>
Class 1.1	Brassica oleracea	BRASS_OLE
Class 1.2	Brassica other than Brassica oleracea	other than BRASS_OLE
Class 2.1	Beta vulgaris L. var. alba DC., Beta vulgaris L. var. altissima	BETAA_VUL_GVA; BETAA_VUL_GVS
Class 2.2	Beta vulgaris ssp. vulgaris var. conditiva Alef. (syn.: B. vulgaris L. var. rubra L.), B. vulgaris L. var. cicla L., B. vulgaris L. ssp. vulgaris var. vulgaris	BETAA_VUL_GVC; BETAA_VUL_GVF
Class 2.3	Beta other than classes 2.1 and 2.2.	other than classes 2.1 and 2.2
Class 3.1	Cucumis sativus	CUCUM_SAT
Class 3.2	Cucumis melo	CUCUM_MEL
Class 3.3	Cucumis other than classes 3.1 and 3.2	other than classes 3.1 and 3.2
Class 4.1	Solanum tuberosum L.	SOLAN_TUB
Class 4.2	Solanum other than class 4.1	other than class 4.1

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) 6283 2999

* 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.plantbreeders.gov.au/>



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