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IP Australia

Plant Breeders Rights

Plant Varieties Journal - Optimised for Screen Viewing

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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. 31 Issue 2) are listed below:

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## Objections and Revocations

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

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

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

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

### **Objections to Applications**

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

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

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

objection is upheld it will be notified in this journal.

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

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

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

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

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

The person requesting revocation is required to lodge a revocation payment fee of \$500. The person seeking revocation of a grant or declaration that a plant variety is essentially derived from another plant, must provide conclusive evidence of adverse effect 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 [Report](#) of the expert panel is available now.

## Use of Overseas Data

The [section 38](#) of the PBR Act allows DUS data produced by test growing of plant varieties outside Australia (referred as **overseas test report**) be used in lieu of conducting a test growing in Australia, provided that certain conditions are met; relating to the breeding location, 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.

The overseas test report could be considered where following basic criteria set out in [section 38\(1\)](#) of the PBR Act are met:

- a. If a plant variety:
  - i. was bred outside Australia; or
  - ii. was bred in Australia but, before an application for PBR was made in Australia, an application for PBR was made in a contracting party other than Australia; and
- b. an application under this Act for PBR in the variety has been accepted;

In addition to these basic criteria, one of the criteria set out in following sections 38(2), 38(3), 38(4) or 38(5) of the PBR Act are met:

1. [Section 38\(2\)](#) allows accepting data from an overseas country when there is also a trial for the same variety grown here in Australia.
2. [Section 38\(3\)](#) allows accepting data from an overseas country under a bi-lateral agreement between Australia and that country.
3. [Section 38\(4\)](#) of the PBR Act requires that the overseas test growing is “equivalent” to a test growing of the variety in Australia. An overseas test growing is equivalent to a test growing in Australia when it meets one of the following criteria:
  - a. Test growing conducted by a UPOV member state using UPOV technical guidelines for DUS testing ; or
  - b. Test growing conducted by a UPOV member state using their harmonised national technical protocols for DUS testing; or
  - c. Test growing conducted by a non-UPOV member state using test protocols which are harmonised with standard UPOV technical guidelines for DUS testing ; or
  - d. Test growing conducted by the breeder in overseas using UPOV technical guidelines for DUS testing which is supervised and certified by a PBR accredited QP; or

e. Test growing conducted by a competent overseas authority using internationally recognised protocols (particularly under controlled conditions) and certified by a PBR accredited QP.

4. [Section 38\(5\)](#) allows some more flexibility to accept overseas data. This flexibility applies when the test growing requires longer than two years. In such cases the following conditions should be met:

- a. test growing of the variety carried out outside Australia has demonstrated that the variety has the particular characteristic; and
- b. any test growing of the variety carried out in Australia would probably demonstrate that the variety has that characteristic; and
- c. if a test growing of the variety in Australia sufficient to demonstrate whether the variety has that characteristic were to be carried out, it would take longer than 2 years

### **Obtaining overseas test report**

PBR office coordinates with various overseas testing authorities to obtain their test reports on behalf of the applicants or their agents. A PBR examiner is designated for this purpose as the Test Report Coordinator.

When the overseas test report is available, the Test Report Coordinator prepares an [Overseas Test Report Request form](#) for the relevant overseas testing authority.

The PBR office does not bear the cost of the test report charged by the overseas testing authorities. The applicant or their agents must undertake the responsibility for payment. Therefore, the official request form is sent to the applicant or their agents (or sometimes to the QP) for signing the undertaking for payment in accordance with the official request form.

The official request form is returned to the Test Report Coordinator, once the undertaking for payment is signed off.

The Test Report Coordinator then forwards the official request form to the relevant overseas testing authority.

The overseas testing authority sends an invoice directly to the applicant or their agent for the cost of the report. Any invoice sent to the PBR office should be forwarded to the applicant or their agent for payment.

Once the payment is made, the overseas testing authority sends the official copy of the test report to the Test Report Coordinator.

The Test Report Coordinator reviews the test report supplied by the overseas testing authority. When the test report satisfies the criteria outlined in the [section 38](#) of the PBR Act, the Test Report Coordinator sends a copy of the overseas test report to the QP.

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### **Use of overseas test report**

The most important consideration for the use of overseas test report is either, 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 Australian varieties of common knowledge that further DUS test growing is not warranted.

Sufficient data and descriptive information should be available to publish a detailed description of the variety in an accepted format in the Plant Varieties Journal to satisfy the requirements of the PBR Act. Overseas data can be supplemented with other information, for example from an Australian verification trial.

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.

When a description is based on an overseas test report, the Australian PBR will not be granted until after the decision to grant PBR in the country producing the overseas data is made. The final decision on the acceptability of overseas test report rests with the PBR office as the examiner needs to be satisfied that the resultant description and Part 2 application satisfy the requirements of the PBR Act.

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### **Taxa that must be trialled in Australia**

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

- *Solanum tuberosum* (Potato)



## PRISMA – A New Tool for Applying for Plant Breeder's Rights

[PRISMA](#) is a new tool created by UPOV that allows breeders to submit their PBR applications to any participating PBR authority in a format and language recognised by that authority.

Australian PBR applicants have access to [PRISMA](#) to file their applications in Australia or in other participating overseas authorities.

[PRISMA](#) has a number of advantages for applicants. Including the ability to assign user roles, re-use information for subsequent applications and facilitate filing in other authorities. More details on the advantages of using [PRISMA](#) are outlined in the UPOV release notice attached and includes details on how to access [PRISMA](#) as well as a link to further information.

For applicants filing a PBR in Australia, please note the following:

- The application fee still applies ( \$345 online)
- An eServices account is still required to pay the Application fee. There is now a specific option for making the payment of application by the UPOV: Electronic Application Form (now called [PRISMA](#)) on the eServices page .
- Submitting an application through [PRISMA](#) replaces the Part 1 Form. The Qualified Person Form, Authorisation of Agent (if required) and photo still need to be provided and can be attached through [PRISMA](#).
- When making the payment please ensure the International Reference Number provided by [PRISMA](#) is included. The reference begins with “XU\_” and is followed by a 14 digit number .
- After submitting an application through [PRISMA](#) the usual confirmation of filing will be sent, normally within two working days.
- Once the application is file through [PRISMA](#) then it progresses normally with applications filed by other means.
- If you do not wish to use [PRISMA](#) at this time it is still currently possible to submit PBR applications in Australia in the usual manner through eServices.

If you have any further queries on [PRISMA](#) contact [prisma@upov.int](mailto:prisma@upov.int) or alternatively, specifically for Australian PBR applications, contact [pbr@ipaaustralia.gov.au](mailto:pbr@ipaaustralia.gov.au).

## 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 purpose of UPOV is to provide and promote an effective system of plant variety protection, with the aim of encouraging the development of new varieties of plants, for the benefit of society.

The list of UPOV members is available online: <http://www.upov.int/members/en/>

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>

## 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.



## 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. 31 Issue 2) are listed below:

- [Home](#)
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**ACCEPTANCE**

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

*Lactuca sativa*

LETTUCE

**‘TEARFLASH’**

Application No: 2018/065 Accepted: 04 Apr 2018

Applicant: **Nunhems B.V.**

Agent: **Shelston IP Pty Ltd**, Sydney, NSW.

*Rosa hybrid*

ROSE

**‘GRAflr’**

Application No: 2018/056 Accepted: 05 Apr 2018

Applicant: **John C. Gray, Sylvia E. Gray**, Highfields, QLD.

*Rosa hybrid*

ROSE

**‘GRA1511131’**

Application No: 2018/057 Accepted: 05 Apr 2018

Applicant: **Mr. Harry Schreuders**.

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

*Rosa hybrid*

ROSE

**‘GRAosr’**

Application No: 2018/055 Accepted: 05 Apr 2018

Applicant: **John C. Gray, Sylvia E. Gray**, Highfields, QLD.

*Prunus salicina*

JAPANESE PLUM

**‘SUPLUMFIFTY’ syn SUPLUM50**

Application No: 2018/064 Accepted: 10 Apr 2018

Applicant: **Sun World International LLC.**

Agent: **Corrs Chambers Westgarth**, Melbourne, VIC.

*Vaccinium corymbosum*

BLUEBERRY

**‘RYOKU NH-11’**

Application No: 2018/033 Accepted: 10 Apr 2018

Applicant: **Nippon Ryokusan Co., Ltd.**

Agent: **FB Rice**, Sydney, NSW.

*Vaccinium corymbosum*

BLUEBERRY

**‘RYOKU NH-13’**

Application No: 2018/035 Accepted: 10 Apr 2018

Applicant: **Nippon Ryokusan Co., Ltd.**

Agent: **FB Rice**, Sydney, NSW.

*Malus domestica*

APPLE

**‘PremA129’**

Application No: 2018/029 Accepted: 12 Apr 2018

Applicant: **Prevar Ltd.**

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

*Crassula ovata*

JADE PLANT

**‘LJT01’**

Application No: 2017/336 Accepted: 12 Apr 2018

Applicant: **Morgan Oates & Brown Pty Ltd**, Macquarie Fields, NSW.

*Vaccinium corymbosum*

BLUEBERRY

**‘RYOKU NH-12’**

Application No: 2018/034 Accepted: 13 Apr 2018

Applicant: **Nippon Ryokusan Co., Ltd.**

Agent: **FB Rice**, Sydney, NSW.

*Fragaria X ananassa*

STRAWBERRY

**‘Yotsuboshi’**

Application No: 2018/001 Accepted: 17 Apr 2018

Applicant: **Miyoshi & Co., Ltd.**

Agent: **Berry Sensation Pty Ltd**, Notting Hill, VIC.

*Clitoria ternatea*

**‘JCU-BP’**

Application No: 2018/079 Accepted: 17 Apr 2018

Applicant: **James Cook University.**

Agent: **Agrimix Pastures Pty Ltd**, Ferny Hills Dc, QLD.

*Vaccinium hybrid*

SOUTHERN Highbush BLUEBERRY

**‘MB007’**

Application No: 2018/052 Accepted: 17 Apr 2018

Applicant: **Dr Gavin Porter.**

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

*Prunus avium*

SWEET CHERRY

**‘IFG Cher-one’**

Application No: 2018/061 Accepted: 18 Apr 2018

Applicant: **International Fruit Genetics, LLC.**

Agent: **Eurofins Agrosience Services**, Shepparton, VIC.



*Vaccinium hybrid*

SOUTHERN Highbush BLUEBERRY

**‘EB 9-8’**

Application No: 2017/315 Accepted: 18 Apr 2018

Applicant: **Biza Trading Pty Ltd, Prunus Persica Pty Ltd**, Cannington, WA.

*Arachis hypogaea*

PEANUT, GROUND NUT

**‘MRVB’**

Application No: 2018/063 Accepted: 18 Apr 2018

Applicant: **G Crumpton and Sons and Company Pty Ltd**, Kingaroy, QLD.

*Prunus avium*

SWEET CHERRY

**‘IFG Cher-two’**

Application No: 2018/060 Accepted: 18 Apr 2018

Applicant: **International Fruit Genetics, LLC**.

Agent: **Eurofins Agroscience Services**, Shepparton, VIC.

*Arachis hypogaea*

PEANUT, GROUND NUT

**‘Wooroolin Runner’**

Application No: 2018/062 Accepted: 18 Apr 2018

Applicant: **G Crumpton and Sons and Company Pty Ltd**, Kingaroy, QLD.

*Vaccinium hybrid*

SOUTHERN Highbush BLUEBERRY

**‘EB 12-3’**

Application No: 2017/316 Accepted: 18 Apr 2018

Applicant: **Biza Trading Pty Ltd, Prunus Persica Pty Ltd**, Cannington, WA.

*Rosa hybrid*

ROSE

**‘RUIVI7285A’**

Application No: 2018/051 Accepted: 19 Apr 2018

Applicant: **De Ruiter Intellectual Property BV**.Agent: **Propagation Australia Pty Ltd.**, Browns Plains Bc, QLD.*Grevillea hybrid*

GREVILLEA

**‘GR13032’**

Application No: 2018/080 Accepted: 24 Apr 2018

Applicant: **Ian Shimmen**, Mount Evelyn, VIC.*Fuchsia hybrid*

FUCHSIA

**‘BRFU 112613’**

Application No: 2018/077 Accepted: 26 Apr 2018

Applicant: **Brandkamp Jungpflanzen**.Agent: **Haars Nursery Pty Ltd**, Somerville, VIC.*Prunus armeniaca x salicina*

INTERSPECIFIC APRICOT

**‘Betty-Cot’**

Application No: 2018/084 Accepted: 26 Apr 2018

Applicant: **Zaiger's Inc. Genetics**.Agent: **Graham's Factree Pty Ltd**, Hoddles Creek, VIC.*Fuchsia hybrid*

FUCHSIA

**‘BRFU 103253’**

Application No: 2018/078 Accepted: 26 Apr 2018

Applicant: **Brandkamp Jungpflanzen**.Agent: **Haars Nursery Pty Ltd**, Somerville, VIC.

*Prunus persica*

PEACH

**‘Zee Pride’**

Application No: 2018/076 Accepted: 26 Apr 2018

Applicant: **Zaiger's Inc. Genetics.**

Agent: **Graham's Factree Pty Ltd**, Hoddles Creek, VIC.

*Carex oshimensis*

**‘ET CRX01’**

Application No: 2018/042 Accepted: 01 May 2018

Applicant: **Eternal Plant Boijl BV.**

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

*Malus domestica*

APPLE

**‘RYOKU AP-11’**

Application No: 2018/066 Accepted: 01 May 2018

Applicant: **Nippon Ryokusan Co., Ltd.**

Agent: **FB Rice**, Sydney, NSW.

*Euphorbia pulcherrima x cornastra*

SPURGES

**‘Bonpri 974’**

Application No: 2017/134 Accepted: 04 May 2018

Applicant: **Bonza Botanicals Pty Limited.**

Agent: **Oasis Horticulture Pty Limited**, Yellow Rock, NSW.

*Cucumis sativus*

CUCUMBER, GHERKIN

**‘SQUDO’**

Application No: 2018/083 Accepted: 04 May 2018

Applicant: **Nunhems B.V.**

Agent: **Shelston IP Pty Ltd**, Sydney, NSW.

*Spinacia oleracea*

SPINACH

**‘PMSP185240457’**

Application No: 2018/025 Accepted: 04 May 2018

Applicant: **Nunhems B.V.**

Agent: **Shelston IP**, Sydney, NSW.

*Lavandula pedunculata*

SPANISH LAVENDER

**‘Fairy Wings Whimsical’**

Application No: 2018/038 Accepted: 04 May 2018

Applicant: **Plant Growers Australia.**

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

*Spinacia oleracea*

SPINACH

**‘PMSP185264170’**

Application No: 2018/024 Accepted: 04 May 2018

Applicant: **Nunhems B.V.**

Agent: **Shelston IP**, Sydney, NSW.

*Lavandula pedunculata*

SPANISH LAVENDER

**‘Fairy Wings Spellbound’**

Application No: 2018/040 Accepted: 07 May 2018

Applicant: **Plant Growers Australia.**

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

*Magnolia grandiflora*

SOUTHERN MAGNOLIA

**‘MGSSTK’ syn Sweet Spire**

Application No: 2018/013 Accepted: 07 May 2018

Applicant: **Timothy Koelewyn.**

Agent: **Coolwyn Nurseries P/L**, Monbulk, VIC.

*Avena sativa*

OATS

**'koorabup'**

Application No: 2017/338 Accepted: 07 May 2018

Applicant: **MINISTER FOR PRIMARY INDUSTRIES AND REGIONAL DEVELOPMENT (Acting through the South Australian Research and Development Institute), Grains Research and Development Corporation**, Urrbrae, SA.

*Acmena smithii*

LILLY PILLY

**'Cherry Black'**

Application No: 2018/104 Accepted: 08 May 2018

Applicant: **Sunplant Breeders Pty Ltd.**

Agent: **John Tilbrook**, Joondalup Dc, WA.

*Vitis vinifera*

GRAPE VINE

**'cz1830' syn Bubble Globe**

Application No: 2018/086 Accepted: 08 May 2018

Applicant: **Ontario Produce Pty Ltd**, Mildura South, VIC.

*Acmena smithii*

LILLY PILLY

**'Orange Crush'**

Application No: 2018/103 Accepted: 08 May 2018

Applicant: **Sunplant Breeders Pty Ltd.**

Agent: **John Tilbrook**, Joondalup Dc, WA.

*Malus domestica*

APPLE

**'PremA34'**

Application No: 2018/091 Accepted: 09 May 2018

Applicant: **Prevar Ltd.**

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

*Rosa hybrid*

ROSE

**‘AUSMIXTURE’**

Application No: 2018/093 Accepted: 10 May 2018

Applicant: **David Austin Roses Limited.**

Agent: **Siebler Publishing Services**, Hartwell, VIC.

*Rosa hybrid*

ROSE

**‘AUSWHIRL’**

Application No: 2018/095 Accepted: 10 May 2018

Applicant: **David Austin Roses Limited.**

Agent: **Siebler Publishing Services**, Hartwell, VIC.

*Xerochrysum bracteatum*

EVERLASTING DAISY

**‘Bondre 1051’**

Application No: 2017/320 Accepted: 11 May 2018

Applicant: **Bonza Botanicals Pty Limited.**

Agent: **Oasis Horticulture Pty Limited**, Yellow Rock, NSW.

*Penstemon hybrid*

BEARD TONGUE

**‘Yapmine’ syn Pentastic Pink**

Application No: 2018/119 Accepted: 11 May 2018

Applicant: **Frederic Yates.**

Agent: **Australian Horticultural Services Pty Ltd**, Wonga Park, VIC.

*Penstemon hybrid*

BEARD TONGUE

**‘Yaprose’ syn Pentastic Rose**

Application No: 2018/118 Accepted: 11 May 2018

Applicant: **Frederic Yates.**

Agent: **Australian Horticultural Services Pty Ltd**, Wonga Park, VIC.

*Penstemon hybrid*

BEARD TONGUE

**‘Yapruby’ syn Pentastic Red**

Application No: 2018/117 Accepted: 11 May 2018

Applicant: **Frederic Yates.**

Agent: **Australian Horticultural Services Pty Ltd**, Wonga Park, VIC.

*Avena sativa*

OATS

**‘Bronco’ syn PAL17**

Application No: 2018/106 Accepted: 16 May 2018

Applicant: **NDSU Research Foundation.**

Agent: **Palafor Partners Pty Ltd**, Mountain Creek, QLD.

*Trifolium pratense*

RED CLOVER

**‘Amigain’**

Application No: 2017/337 Accepted: 21 May 2018

Applicant: **Grasslands Innovation Ltd**, Palmerston North, NZ.

*Vitis vinifera*

GRAPE VINE

**‘Stargrape-Icon’ syn Stargrape 2**

Application No: 2018/036 Accepted: 21 May 2018

Applicant: **Stargrow Cultivar Development Pty Ltd.**

Agent: **Alison MacGregor**, Mildura, VIC.

*Oryza sativa*

RICE

**‘Shinnosuke’**

Application No: 2018/085 Accepted: 21 May 2018

Applicant: **Niigata Prefecture.**

Agent: **IP Solved (ANZ) Pty. Ltd.**, Royal Exchange, NSW.

*Prunus persica*

PEACH

**‘Snow Lady Rose’**

Application No: 2018/128 Accepted: 22 May 2018

Applicant: **Zaiger's Inc. Genetics.**

Agent: **Graham's Factree Pty Ltd**, Hoddles Creek, VIC.

*Stylosanthes viscosa*

**‘JCU-Vs1’**

Application No: 2018/139 Accepted: 22 May 2018

Applicant: **James Cook University.**

Agent: **Agrimix Pastures Pty Ltd**, Ferny Hills Dc, QLD.

*Medicago sativa*

LUCERNE

**‘AGC05’**

Application No: 2018/137 Accepted: 22 May 2018

Applicant: **Alpha Group Consulting Pty Ltd**, Keith, SA.

*Medicago sativa*

LUCERNE

**‘AGC04’**

Application No: 2018/136 Accepted: 22 May 2018

Applicant: **Alpha Group Consulting Pty Ltd**, Keith, SA.

*Medicago sativa*

LUCERNE

**‘AGC02’**

Application No: 2018/134 Accepted: 22 May 2018

Applicant: **Alpha Group Consulting Pty Ltd**, Keith, SA.



*Prunus persica* var. *nucipersica*

NECTARINE

**‘Polar Gem’**

Application No: 2018/125 Accepted: 22 May 2018

Applicant: **Zaiger's Inc. Genetics.**

Agent: **Graham's Factree Pty Ltd**, Hoddles Creek, VIC.

*Medicago sativa*

LUCERNE

**‘AGC03’**

Application No: 2018/135 Accepted: 22 May 2018

Applicant: **Alpha Group Consulting Pty Ltd**, Keith, SA.

*Prunus avium*

SWEET CHERRY

**‘SMS-16-CA 2014-2016’**

Application No: 2018/097 Accepted: 24 May 2018

Applicant: **SMS Unlimited LLC.**

Agent: **Australian Nurserymens Fruit Improvement Company (ANFIC) Ltd**, Kallangur, QLD.

*Lactuca sativa*

LETTUCE

**‘RUBYGLACE’**

Application No: 2018/082 Accepted: 24 May 2018

Applicant: **Nunhems B.V..**

Agent: **Shelston IP Pty Ltd**, Sydney, NSW.

*Prunus persica*

PEACH

**‘Rich Snow’**

Application No: 2018/126 Accepted: 29 May 2018

Applicant: **Zaiger's Inc. Genetics.**

Agent: **Graham's Factree Pty Ltd**, Hoddles Creek, VIC.

*Triticum aestivum*

WHEAT

**‘Tenfour’ syn LG Tenfour**

Application No: 2018/094 Accepted: 29 May 2018

Applicant: **Limagrain Europe s.a.**

Agent: **Elders Rural Services**, Melbourne, VIC.

*Prunus salicina x armeniaca*

INTERSPECIFIC PLUM

**‘FestivalRed’**

Application No: 2018/127 Accepted: 29 May 2018

Applicant: **Zaiger's Inc. Genetics**.

Agent: **Graham's Factree Pty Ltd**, Hoddles Creek, VIC.

*Triticum aestivum*

WHEAT

**‘LG Cobalt’**

Application No: 2018/096 Accepted: 29 May 2018

Applicant: **Limagrain Europe s.a.**

Agent: **Elders Rural Services**, Melbourne, VIC.

*Prunus salicina x armeniaca*

INTERSPECIFIC PLUM

**‘Crimson Kat’**

Application No: 2018/115 Accepted: 30 May 2018

Applicant: **Zaiger's Inc. Genetics**.

Agent: **Graham's Factree Pty Ltd**, Hoddles Creek, VIC.

*Actinidia chinensis*

KIWIFRUIT

**‘HFR18’ syn HONGSHI 2**

Application No: 2018/099 Accepted: 30 May 2018

Applicant: **Deyang Professional Academy of Kiwifruit**.

Agent: **BLOOMZ New Zealand Limited**, Tauranga, NZ.

*Avena sativa*

OATS

**‘Odyssey’**

Application No: 2018/098 Accepted: 30 May 2018

Applicant: **NDSU Research Foundation.**

Agent: **Advanta Seeds Pty Ltd**, Toowoomba, QLD.

*Prunus persica*

PEACH

**‘Snow Fox’**

Application No: 2018/114 Accepted: 30 May 2018

Applicant: **Zaiger's Inc. Genetics.**

Agent: **Graham's Factree Pty Ltd**, Hoddles Creek, VIC.

*Prunus persica var. nucipersica*

NECTARINE

**‘Honey Spring’**

Application No: 2018/116 Accepted: 30 May 2018

Applicant: **Zaiger's Inc. Genetics.**

Agent: **Graham's Factree Pty Ltd**, Hoddles Creek, VIC.

*Actinidia chinensis*

KIWIFRUIT

**‘HFY01’ syn JINSHI 1**

Application No: 2018/100 Accepted: 30 May 2018

Applicant: **Sichuan Huasheng Agricultural Ltd.**

Agent: **BLOOMZ New Zealand Limited**, Tauranga, .

*Prunus persica var. nucipersica*

NECTARINE

**‘Polar Zee’**

Application No: 2018/113 Accepted: 30 May 2018

Applicant: **Zaiger's Inc. Genetics.**

Agent: **Graham's Factree Pty Ltd**, Hoddles Creek, VIC.

*Ocimum minimum*

GREEK BASIL, DWARF BASIL, BUSH BASIL

**‘GB03’**

Application No: 2018/107 Accepted: 31 May 2018  
Applicant: **Ozbreed Pty Ltd**, Richmond, NSW.

*Ipomoea batatas*

ORNAMENTAL SWEET POTATO

**‘Queen of Spades’**

Application No: 2018/105 Accepted: 31 May 2018  
Applicant: **Sunplant Breeders Pty Ltd**.  
Agent: **John Tilbrook**, Joondalup Dc, WA.

*Malus domestica*

APPLE

**‘Xeleveln’**

Application No: 2018/074 Accepted: 01 Jun 2018  
Applicant: **Red Moon GmbH**.  
Agent: **Page Family Nurseries Pty Ltd**, Grove, TAS.

*Vitis vinifera*

GRAPE VINE

**‘Sugrafortynine’ syn SUGRA49**

Application No: 2018/152 Accepted: 04 Jun 2018  
Applicant: **Sun World International LLC**.  
Agent: **Corrs Chambers Westgarth**, Melbourne, VIC.

*Vitis vinifera*

GRAPE VINE

**‘Sugrafifty’ syn SUGRA50**

Application No: 2018/153 Accepted: 04 Jun 2018  
Applicant: **Sun World International LLC**.  
Agent: **Corrs Chambers Westgarth**, Melbourne, VIC.

*Vitis vinifera*

GRAPE VINE

**‘Sugraiftyone’ syn SUGRA51**

Application No: 2018/154 Accepted: 04 Jun 2018

Applicant: **Sun World International LLC.**

Agent: **Corrs Chambers Westgarth**, Melbourne, VIC.

*Zamioculcas zamiifolia*

ZZ PLANT, AROID PALM

**‘DOWON’ syn Raven**

Application No: 2018/124 Accepted: 04 Jun 2018

Applicant: **Lee Hyuk Jin.**

Agent: **Quito Pty Ltd trading as Benara Nurseries**, Carabooda, WA.

*Ginkgo biloba*

**‘Piedmont Pillar’**

Application No: 2018/123 Accepted: 04 Jun 2018

Applicant: **The Trustee for the Fenton Family Trust**, Piedmont, VIC.

*Salvia officinalis*

COMMON SAGE

**‘SAL04’**

Application No: 2018/155 Accepted: 06 Jun 2018

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

*Spinacia oleracea*

SPINACH

**‘PMSP188463719’**

Application No: 2018/088 Accepted: 06 Jun 2018

Applicant: **Nunhems B.V.**

Agent: **Shelston IP**, Sydney, NSW.

*Medicago sativa*

LUCERNE

**‘Silverland GT’**

Application No: 2018/156 Accepted: 06 Jun 2018

Applicant: **Springbrook Nominees Pty Ltd**, Belair, SA.

*Spinacia oleracea*

SPINACH

**‘PMSP189681558’**

Application No: 2018/089 Accepted: 06 Jun 2018

Applicant: **Nunhems B.V.**

Agent: **Shelston IP**, Sydney, NSW.

*Spinacia oleracea*

SPINACH

**‘PMSP188463776’**

Application No: 2018/090 Accepted: 06 Jun 2018

Applicant: **Nunhems B.V.**

Agent: **Shelston IP**, Sydney, NSW.

*Prunus avium*

SWEET CHERRY

**‘IFG Cher-three’**

Application No: 2018/059 Accepted: 06 Jun 2018

Applicant: **International Fruit Genetics, LLC**.

Agent: **Eurofins Agroscience Services**, Shepparton, VIC.

*Medicago sativa*

LUCERNE

**‘Silversky’**

Application No: 2018/157 Accepted: 06 Jun 2018

Applicant: **Springbrook Nominees Pty Ltd**, Belair, SA.

*Prunus avium*

SWEET CHERRY

**‘IFG Cher-four’**

Application No: 2018/058 Accepted: 06 Jun 2018

Applicant: **International Fruit Genetics, LLC.**

Agent: **Eurofins Agrosience Services**, Shepparton, VIC.

*Prunus salicina x armeniaca*

INTERSPECIFIC PLUM

**‘EmeraldBlush’**

Application No: 2018/112 Accepted: 07 Jun 2018

Applicant: **Zaiger's Inc. Genetics.**

Agent: **Graham's Factree Pty Ltd**, Hoddles Creek, VIC.

*Lavandula pedunculata*

SPANISH LAVENDER

**‘FW Radiance’ syn Fairy Wings Radiance**

Application No: 2018/039 Accepted: 13 Jun 2018

Applicant: **Plant Growers Australia.**

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

*Rubus idaeus L.*

RASPBERRY

**‘DrisRaspTwelve’**

Application No: 2018/142 Accepted: 14 Jun 2018

Applicant: **Driscoll's, Inc.**

Agent: **AJ Park**, Canberra, ACT.

*Rosa hybrid*

ROSE

**‘AUSHERBERT’**

Application No: 2018/138 Accepted: 14 Jun 2018

Applicant: **David Austin Roses Limited.**

Agent: **Leigh Siebler**, Hartwell, VIC.

*Prunus persica*

PEACH

**‘June Honey’**

Application No: 2018/148 Accepted: 19 Jun 2018

Applicant: **Zaiger's Inc. Genetics.**

Agent: **Graham's Factree Pty Ltd**, Hoddles Creek, VIC.

*Prunus persica var. nucipersica*

NECTARINE

**‘Honey Leon’**

Application No: 2018/149 Accepted: 19 Jun 2018

Applicant: **Zaiger's Inc. Genetics.**

Agent: **Graham's Factree Pty Ltd**, Hoddles Creek, VIC.

*Prunus persica var. nucipersica*

NECTARINE

**‘Polar Jackson’**

Application No: 2018/150 Accepted: 19 Jun 2018

Applicant: **Zaiger's Inc. Genetics.**

Agent: **Graham's Factree Pty Ltd**, Hoddles Creek, VIC.

*Prunus persica var. nucipersica*

NECTARINE

**‘Polar Alexi’**

Application No: 2018/151 Accepted: 19 Jun 2018

Applicant: **Zaiger's Inc. Genetics.**

Agent: **Graham's Factree Pty Ltd**, Hoddles Creek, VIC.

*Prunus persica*

PEACH

**‘Mazee’**

Application No: 2018/146 Accepted: 19 Jun 2018

Applicant: **Zaiger's Inc. Genetics.**

Agent: **Graham's Factree Pty Ltd**, Hoddles Creek, VIC.



*Prunus persica* var. *nucipersica*

NECTARINE

**‘August Chief’**

Application No: 2018/145 Accepted: 19 Jun 2018

Applicant: **Zaiger's Inc. Genetics.**

Agent: **Graham's Factree Pty Ltd**, Hoddles Creek, VIC.

*Prunus salicina* x *armeniaca*

INTERSPECIFIC PLUM

**‘Ebony Rose’**

Application No: 2018/161 Accepted: 19 Jun 2018

Applicant: **Zaiger's Inc. Genetics.**

Agent: **Graham's Factree Pty Ltd**, Hoddles Creek, VIC.

*Prunus hybrid*

PRUNUS - INTERSPECIFIC PLUM

**‘BellaKat’**

Application No: 2018/165 Accepted: 19 Jun 2018

Applicant: **Zaiger's Inc. Genetics.**

Agent: **Graham's Factree Pty Ltd**, Hoddles Creek, VIC.

*Prunus persica*

PEACH

**‘AprilZee’**

Application No: 2018/144 Accepted: 21 Jun 2018

Applicant: **Zaiger's Inc. Genetics.**

Agent: **Graham's Factree Pty Ltd**, Hoddles Creek, VIC.

*Prunus persica*

PEACH

**‘Krista’**

Application No: 2018/160 Accepted: 21 Jun 2018

Applicant: **Zaiger's Inc. Genetics.**

Agent: **Graham's Factree Pty Ltd**, Hoddles Creek, VIC.

*Photinia glabra*

PHOTINIA

**‘Wonder Hedge’**

Application No: 2018/075 Accepted: 22 Jun 2018

Applicant: **Stegaydan Pty Ltd.**

Agent: **Touch of Class Plants Pty Ltd**, Tynong, VIC.

*Acacia binervia*

COASTAL MYALL

**‘Sterling Silver’**

Application No: 2018/111 Accepted: 25 Jun 2018

Applicant: **Phillip Vaughan.**

Agent: **David Burt**, Nar Nar Goon, VIC.

*Rosa hybrid*

ROSE

**‘GRA151234’**

Application No: 2018/147 Accepted: 25 Jun 2018

Applicant: **Harry Schreuders.**

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

*Lagerstroemia hybrid*

CREPE MYRTLE

**‘PIILAG B5’ syn Enduring Summer Red**

Application No: 2018/073 Accepted: 26 Jun 2018

Applicant: **Bailey Nurseries Inc.**

Agent: **Australian Horticultural Services Inc.**, Wonga Park, VIC.

*Rosmarinus officinalis*

ROSEMARY

**‘ROS01’**

Application No: 2018/143 Accepted: 26 Jun 2018

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

*Lactuca sativa*

LETTUCE

**‘EXAUDIO’**

Application No: 2017/340 Accepted: 28 Jun 2018

Applicant: **Rijk Zwaan Zaadteelt en Zaadhandel B.V.**

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

## Variety Descriptions

<u>Common (Genus Species)</u>	<u>Variety</u>	<u>Title Holder</u>
<u>Pineapple Guava</u> <i>(Acca sellowiana)</i>	Anatoki	Roy Hart
<u>Peanut</u> ( <i>Arachis hypogaea</i> )	Wooroolin Runner	G Crumpton and Sons and Company Pty Ltd
<u>Peanut</u> ( <i>Arachis hypogaea</i> )	MRVB	G Crumpton and Sons and Company Pty Ltd
<u>Marguerite Daisy</u> <i>(Argyranthemum frutescens)</i>	SUPA2142	NuFlora International Pty Ltd
<u>Oats</u> ( <i>Avena sativa</i> )	Graza 53	Agriculture and Agri-Food Canada
<u>Oats</u> ( <i>Avena sativa</i> )	Graza 85	Her Majesty The Queen in Right of Canada as represented by the Minister of Agriculture and Agri-Food
<u>Oats</u> ( <i>Avena sativa</i> )	Bilby	MINISTER FOR PRIMARY INDUSTRIES AND REGIONAL DEVELOPMENT (Acting through the South Australian Research and Development Institute), Grains Research and Development Corporation
<u>(Brunnera macrophylla)</u>	Sea Heart	Peter Jan Willemsen
<u>(Brunnera macrophylla)</u>	Silver Heart	Peter Jan Willemsen
<u>Industrial Hemp</u> <i>(Cannabis sativa)</i>	Farnsfield	Agri Fibre Industries Pty. Ltd.
<u>Quinoa</u> <i>(Chenopodium quinoa)</i>	Medusa	Australian Grown Superfoods Pty Ltd
<u>(Clitoria ternatea)</u>	JCU-BP	James Cook University
<u>Dahlia</u> ( <i>Dahlia</i> )	Pink Paige	Gary Capper, Belinda Riley
<u>Winter Daphne</u> <i>(Daphne odora)</i>	Sweet Amethyst	Evan David Lloyd
<u>Desmanthus</u> <i>(Desmanthus bicornutus)</i>	JCU6	James Cook University
<u>Desmanthus</u> <i>(Desmanthus leptophyllus)</i>	JCU7	James Cook University

<a href="#">Desmanthus (<i>Desmanthus pernambucanus</i>)</a>	JCU9	James Cook University
<a href="#">Desmanthus (<i>Desmanthus virgatus</i>)</a>	JCU8	James Cook University
<a href="#">Desmanthus (<i>Desmanthus virgatus</i>)</a>	Desse1601	Seed Producers Australia Pty Ltd (trading as R.B. Dessert Seed Co.)
<a href="#">Strawberry (<i>Fragaria xananassa</i>)</a>	MYAG-2AD	Miyoshi & Co., Ltd.
<a href="#">New Guinea Impatiens (<i>Impatiens hybrid</i>)</a>	Kirotanze	Innovaplant Zierpflanzen GmbH & Co KG
<a href="#">New Guinea Impatiens (<i>Impatiens hybrid</i>)</a>	Kironanete	Innovaplant Zierpflanzen GmbH & Co KG
<a href="#">Ornamental Sweet Potato (<i>Ipomoea batatas</i>)</a>	SPFR1	The New Zealand Institute for Plant and Food Research Limited
<a href="#">Lettuce (<i>Lactuca sativa</i>)</a>	Frisskei	Vilmorin
<a href="#">Lettuce (<i>Lactuca sativa</i>)</a>	Buzbie	Nunhems B.V.
<a href="#">Lettuce (<i>Lactuca sativa</i>)</a>	Densilva	Nunhems B.V.
<a href="#">Apple (<i>Malus domestica</i>)</a>	Zari	Better3fruit NV
<a href="#">Apple (<i>Malus domestica</i>)</a>	Zonga	Better3fruit NV
<a href="#">Apple (<i>Malus domestica</i>)</a>	RDS	Green and Red Apple Pty Ltd
<a href="#">Apple (<i>Malus domestica</i>)</a>	YCP	Maurice Silverstein, Bo Silverstein, Catherine Frederique Silverstein
<a href="#">Apple (<i>Malus domestica</i>)</a>	PE	Fruit Varieties International Pty Ltd
<a href="#">Banana (<i>Musa hybrid</i>)</a>	FLF-1	David Peasley
<a href="#">Kikuyu grass (<i>Pennisetum clandestinum</i>)</a>	MU2	Lawn Solutions Australia
<a href="#">Field Pea (<i>Pisum sativum</i>)</a>	PBA Butler	Agriculture Victoria Services, Grains Research and Development Corporation
<a href="#">Interspecific apricot (<i>Prunus armeniaca x salicina</i>)</a>	BellaRose	Zaiger's Inc. Genetics
<a href="#">Interspecific Plum</a>		

<a href="#"><i>(Prunus salicina x armeniaca)</i></a>	FallFiesta	Zaiger's Inc. Genetics
<a href="#">Interspecific Plum Cherry (<i>Prunus salicina x avium</i>)</a>	Sweet Pixzee	Zaiger's Inc. Genetics
<a href="#">Azalea (<i>Rhododendron hybrid</i>)</a>	Roblex	Flint Jerome Johnson
<a href="#">Azalea (<i>Rhododendron hybrid</i>)</a>	Roblez	Robert Edward Lee
<a href="#">Azalea (<i>Rhododendron hybrid</i>)</a>	Robleu	Thomas Dennis Meadows, Jr.
<a href="#">Rose (<i>Rosa hybrid</i>)</a>	KORpauvio	W. Kordes' Sohne Rosenschulen GmbH & Co KG
<a href="#">Rose (<i>Rosa hybrid</i>)</a>	AUSIMPLE	David Austin Roses Limited
<a href="#">Rose (<i>Rosa hybrid</i>)</a>	Ausboxer	David Austin Roses Limited
<a href="#">Rose (<i>Rosa hybrid</i>)</a>	AUSWINSTON	David Austin Roses Limited
<a href="#">Rose (<i>Rosa sp</i>)</a>	Auschris	David Austin Roses Limited
<a href="#">Hybridberry (<i>Rubus subgenus Eubatus</i>)</a>	Purple Star	The New Zealand Institute for Plant and Food Research Limited
<a href="#">Sugarcane (<i>Saccharum hybrid</i>)</a>	SRA11	Sugar Research Australia Limited
<a href="#">Tomato (<i>Solanum lycopersicum</i>)</a>	PROGRESSION	Nunhems B.V.
<a href="#">Potato (<i>Solanum tuberosum</i>)</a>	Ivory Russet	IPR B.V.
<a href="#">Potato (<i>Solanum tuberosum</i>)</a>	PurplePelisse	Oregon State University
<a href="#">Buffalo Grass (<i>Stenotaphrum secundatum</i>)</a>	LMZ-020	GeneGro Pty Ltd
<a href="#">Tibouchina (<i>Tibouchina hybrid</i>)</a>	Peace Baby	Terence Charles Keogh
<a href="#">Wheat (<i>Triticum aestivum</i>)</a>	DS Faraday	The University of Queensland
<a href="#">Wheat (<i>Triticum aestivum</i>)</a>	Longsword	Australian Grain Technologies Pty Ltd
<a href="#">Durum Wheat (<i>Triticum turgidum subsp durum</i>)</a>	DBA Artemis	The University of Adelaide, Grains Research and Development Corporation (GRDC)
<a href="#">Durum Wheat (<i>Triticum turgidum subsp durum</i>)</a>	DBA Spes	The University of Adelaide, Grains Research and Development Corporation (GRDC)
<a href="#">Durum Wheat (<i>Triticum turgidum</i>)</a>	DBA Lillaroi	The Department of Primary Industries, an office of DTIRIS for and on behalf of the state of NSW;

<u><i>subsp. durum</i></u>		Grains Research and Development Corporation
<u>Durum Wheat</u> <u>(<i>Triticum turgidum</i></u> <u><i>var. durum</i>)</u>	DBA Vittaroi	The Department of Primary Industries, an office of DTIRIS for and on behalf of the state of NSW, Grains Research and Development Corporation
<u>Durum Wheat</u> <u>(<i>Triticum turgidum</i></u> <u><i>var. durum</i>)</u>	DBA Bindaroi	The Department of Primary Industries for and on behalf of the State of NSW, Grains Research and Development Corporation
<u>Blueberry (<i>Vaccinium corymbosum</i> hybrid)</u>	C08-141	Costa Exchange Pty Ltd, Florida Foundation Seed Producers Inc
<u>Southern Highbush Blueberry (<i>Vaccinium</i> hybrid)</u>	Ridley 0808	Mountain Blue Orchards Pty Ltd
<u>Southern Highbush Blueberry (<i>Vaccinium</i> hybrid)</u>	Ridley 1607	Mountain Blue Orchards Pty Ltd
<u>Southern Highbush Blueberry (<i>Vaccinium</i> hybrid)</u>	Ridley 1105	Mountain Blue Orchards Pty Ltd
<u>Southern Highbush Blueberry (<i>Vaccinium</i> hybrid)</u>	Ridley 4507	Mountain Blue Orchards Pty Ltd
<u>Southern Highbush Blueberry (<i>Vaccinium</i> hybrid)</u>	Ridley 1212	Mountain Blue Orchards Pty Ltd
<u>Southern Highbush Blueberry (<i>Vaccinium</i> hybrid)</u>	Ridley 4408	Mountain Blue Orchards Pty Ltd
<u>Southern Highbush Blueberry (<i>Vaccinium</i> hybrid)</u>	Ridley 4609	Mountain Blue Orchards Pty Ltd
<u>(<i>Vaccinium</i> hybrid)</u>	Ridley 1602	Mountain Blue Orchards Pty Ltd
<u>Cowpea (<i>Vigna unguiculata</i>)</u>	MLR-023	GeneGro Pty Ltd
<u>Zoysia Grass (<i>Zoysia japonica</i> x <i>pacifica</i> (syn. <i>Zoysia japonica</i> x <i>tenuifolia</i>))</u>	BK-9	Sod Solutions, Inc.

## Plant Varieties Journal - Search Result Details

**(*Brunnera macrophylla*)****Variety:** 'Sea Heart'**Synonym:** N/A**Application no:** 2016/268**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 22-Sep-2016**Accepted:** 23-Mar-2017**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** Peter Jan Willemsen**Agent:** Plants Management Australia**Telephone:** 0362659050**Fax:** N/A

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





## Plant Varieties Journal - Search Result Details

**(*Brunnera macrophylla*)****Variety:** 'Silver Heart'**Synonym:** N/A**Application no:** 2016/267**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 22-Sep-2016**Accepted:** 23-Mar-2017**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** Peter Jan Willemsen**Agent:** Plants Management Australia**Telephone:** 0362659050**Fax:** N/A

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



## Plant Varieties Journal - Search Result Details

**(*Clitoria ternatea*)**

**Variety:** 'JCU-BP'  
**Synonym:** N/A

**Application no:** 2018/079  
**Current status:** ACCEPTED  
**Certificate no:** N/A  
**Received:** 20-Mar-2018  
**Accepted:** 17-Apr-2018  
**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 31, Issue 2

**Title Holder:** James Cook University  
**Agent:** Agrimix Pastures Pty Ltd  
**Telephone:** N/A  
**Fax:** N/A

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



## Plant Varieties Journal - Search Result Details

**(*Vaccinium hybrid*)****Variety:** 'Ridley 1602'**Synonym:** N/A**Application no:** 2017/103**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 18-Apr-2017**Accepted:** 29-May-2017**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** Mountain Blue Orchards Pty Ltd**Agent:** N/A**Telephone:** 0266248258**Fax:** 0266246070

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



## Plant Varieties Journal - Search Result Details

**Apple (*Malus domestica*)****Variety:** 'Zari'**Synonym:** N/A**Application no:** 2011/310**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 20-Dec-2011**Accepted:** 16-Jan-2012**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** Better3fruit NV**Agent:** APFIP Limited**Telephone:** 0362664344**Fax:** 0362664023

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



## Plant Varieties Journal - Search Result Details

**Apple (*Malus domestica*)****Variety:** 'Zonga'**Synonym:** N/A**Application no:** 2011/311**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 20-Dec-2011**Accepted:** 16-Jan-2012**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** Better3fruit NV**Agent:** APFIP Limited**Telephone:** 0362664344**Fax:** 0362664023

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



## Plant Varieties Journal - Search Result Details

**Apple (*Malus domestica*)****Variety:** 'RDS'**Synonym:** RSD**Application no:** 2017/313**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 29-Oct-2017**Accepted:** 18-Dec-2017**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** Green and Red Apple Pty Ltd**Agent:** Fruit Varieties International Pty Ltd**Telephone:** 0362667129**Fax:** N/A

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



## Plant Varieties Journal - Search Result Details

**Apple (*Malus domestica*)****Variety:** 'YCP'**Synonym:** N/A**Application no:** 2016/190**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 19-Jul-2016**Accepted:** 19-Aug-2016**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title:** Maurice Silverstein, Bo Silverstein, Catherine Frederique**Holder:** Silverstein**Agent:** Fruit Varieties International Pty Ltd**Telephone:** 036267129**Fax:** N/A

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





## Plant Varieties Journal - Search Result Details

**Apple (*Malus domestica*)****Variety:** 'PE'**Synonym:** N/A**Application no:** 2016/189**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 18-Jul-2016**Accepted:** 19-Aug-2016**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** Fruit Varieties International Pty Ltd**Agent:** Fruit Varieties International Pty Ltd**Telephone:** 0362667129**Fax:** N/A

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



## Plant Varieties Journal - Search Result Details

**Azalea (*Rhododendron hybrid*)****Variety:** 'Roblex'**Synonym:** N/A**Application no:** 2015/344**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 15-Dec-2015**Accepted:** 18-Jan-2016**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** Flint Jerome Johnson**Agent:** Ozbreed Pty Ltd**Telephone:** 0245772977**Fax:** 0245877728

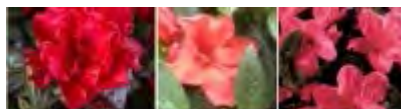
[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Azalea (*Rhododendron hybrid*)****Variety:** 'Roblez'**Synonym:** N/A**Application no:** 2015/346**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 16-Dec-2015**Accepted:** 04-Feb-2016**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** Robert Edward Lee**Agent:** Ozbreed Pty Ltd**Telephone:** 0245772977**Fax:** 0245877728

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



## Plant Varieties Journal - Search Result Details

**Azalea (*Rhododendron hybrid*)****Variety:** 'Robleu'**Synonym:** N/A**Application no:** 2015/349**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 15-Dec-2015**Accepted:** 18-Jan-2016**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** Thomas Dennis Meadows, Jr.**Agent:** Ozbreed Pty Ltd**Telephone:** 0245772977**Fax:** 0245877728

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



## Plant Varieties Journal - Search Result Details

**Banana (*Musa hybrid*)****Variety:** 'FLF-1'**Synonym:** N/A**Application no:** 2016/277**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 15-Oct-2016**Accepted:** 02-Nov-2016**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** David Peasley**Agent:** N/A**Telephone:** 0266777317**Fax:** N/A

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



## Plant Varieties Journal - Search Result Details

**Blueberry (*Vaccinium corymbosum* hybrid)**

**Variety:** 'C08-141'  
**Synonym:** Corindi Verdure

**Application no:** 2017/269

**Current status:** ACCEPTED

**Certificate no:** N/A

**Received:** 06-Sep-2017

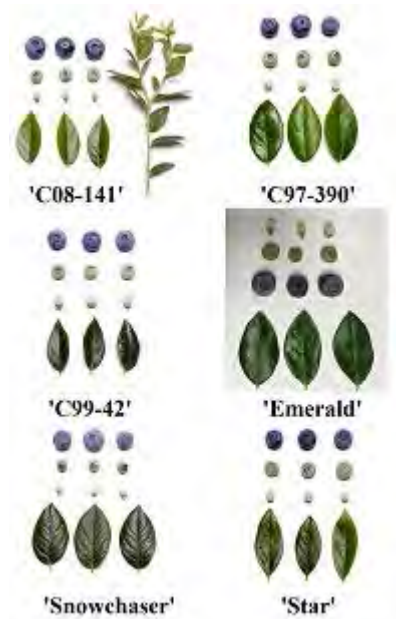
**Accepted:** 03-Oct-2017

**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 31, Issue 2

**Title Holder:** Costa Exchange Pty Ltd, Florida Foundation Seed Producers Inc  
**Agent:** N/A  
**Telephone:** 0266492921  
**Fax:** N/A

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



## Plant Varieties Journal - Search Result Details

**Buffalo Grass (*Stenotaphrum secundatum*)**

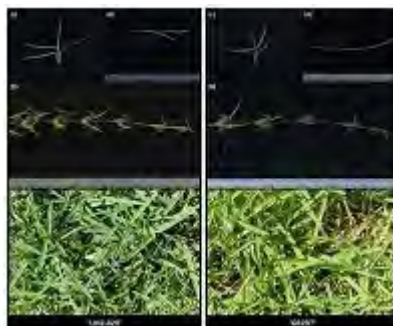
**Variety:** 'LMZ-020'  
**Synonym:** N/A

**Application no:** 2016/364  
**Current status:** ACCEPTED  
**Certificate no:** N/A  
**Received:** 08-Dec-2016  
**Accepted:** 09-Jan-2017  
**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 31, Issue 2

**Title Holder:** GeneGro Pty Ltd  
**Agent:** N/A  
**Telephone:** 0738245440  
**Fax:** 0738245445

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





## Plant Varieties Journal - Search Result Details

**Cowpea (*Vigna unguiculata*)****Variety:** 'MLR-023'**Synonym:** N/A**Application no:** 2018/018**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 08-Feb-2018**Accepted:** 09-Feb-2018**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** GeneGro Pty Ltd**Agent:** N/A**Telephone:** 0738245440**Fax:** 0738245445

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



## Plant Varieties Journal - Search Result Details

**Dahlia (*Dahlia*)**

**Variety:** 'Pink Paige'  
**Synonym:** N/A

**Application no:** 2016/276  
**Current status:** ACCEPTED  
**Certificate no:** N/A  
**Received:** 17-Oct-2016  
**Accepted:** 08-Nov-2016  
**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 31, Issue 2

**Title Holder:** Gary Capper, Belinda Riley  
**Agent:** N/A  
**Telephone:** 0243761379  
**Fax:** N/A

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



## Plant Varieties Journal - Search Result Details

**Desmanthus (*Desmanthus bicornutus*)****Variety:** 'JCU6'**Synonym:** N/A**Application no:** 2016/359**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 08-Dec-2016**Accepted:** 23-Dec-2016**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** James Cook University**Agent:** Agrimix Pty Ltd**Telephone:** 0736300258**Fax:** 0733196136

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



## Plant Varieties Journal - Search Result Details

**Desmanthus (*Desmanthus leptophyllus*)****Variety:** 'JCU7'**Synonym:** N/A**Application no:** 2016/360**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 08-Dec-2016**Accepted:** 23-Dec-2016**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 31, Issue 2

**Title Holder:** James Cook University**Agent:** Agrimix Pty Ltd**Telephone:** 0736300258**Fax:** 0733196136

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



## Plant Varieties Journal - Search Result Details

**Desmanthus (*Desmanthus pernambucanus*)****Variety:** 'JCU9'**Synonym:** N/A**Application no:** 2016/362**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 08-Dec-2016**Accepted:** 03-Jan-2017**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** James Cook University**Agent:** Agrimix Pty Ltd**Telephone:** 0736300258**Fax:** 0733196136

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



## Plant Varieties Journal - Search Result Details

**Desmanthus (*Desmanthus virgatus*)****Variety:** 'JCU8'**Synonym:** N/A**Application no:** 2016/361**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 08-Dec-2016**Accepted:** 19-Jan-2017**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 31, Issue 2

**Title Holder:** James Cook University**Agent:** Agrimix Pty Ltd**Telephone:** 0736300258**Fax:** 0733196136

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



## Plant Varieties Journal - Search Result Details

**Desmanthus (*Desmanthus virgatus*)****Variety:** 'Desse1601'**Synonym:** N/A**Application no:** 2016/303**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 03-Nov-2016**Accepted:** 09-Nov-2016**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** Seed Producers Australia Pty Ltd (trading as R.B. Dessert Seed Co.)**Agent:** N/A**Telephone:** 0891682122**Fax:** 0891681628

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



## Plant Varieties Journal - Search Result Details

**Durum Wheat (*Triticum turgidum subsp durum*)****Variety:** 'DBA Artemis'**Synonym:** Artemis**Application no:** 2017/262**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 30-Aug-2017**Accepted:** 23-Feb-2018**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title:** The University of Adelaide, Grains Research and**Holder:** Development Corporation (GRDC)**Agent:** N/A**Telephone:** 0883139815**Fax:** N/A

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





## Plant Varieties Journal - Search Result Details

**Durum Wheat (*Triticum turgidum subsp durum*)****Variety:** 'DBA Spes'**Synonym:** Spes**Application no:** 2017/261**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 30-Aug-2017**Accepted:** 23-Feb-2018**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title:** The University of Adelaide, Grains Research and**Holder:** Development Corporation (GRDC)**Agent:** N/A**Telephone:** 0883139815**Fax:** N/A

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



## Plant Varieties Journal - Search Result Details

**Durum Wheat (*Triticum turgidum* subsp. *durum*)****Variety:** 'DBA Lillaroi'**Synonym:** N/A**Application no:** 2014/183**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 18-Aug-2014**Accepted:** 01-Sep-2014**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** The Department of Primary Industries, an office of DTIRIS for and on behalf of the state of NSW; Grains Research and Development Corporation**Agent:** N/A**Telephone:** 0263913540**Fax:** 0263913740

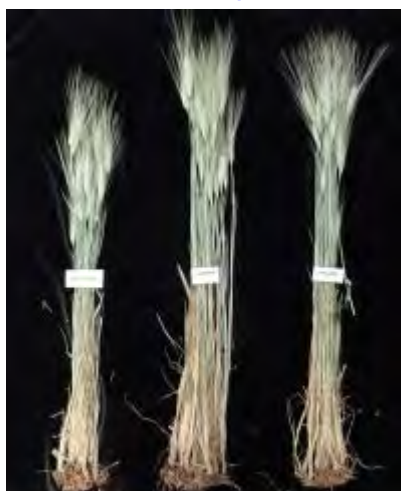
[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Durum Wheat (*Triticum turgidum* var. *durum*)****Variety:** 'DBA Vittaroi'**Synonym:** N/A**Application no:** 2016/378**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 19-Dec-2016**Accepted:** 07-Feb-2017**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** The Department of Primary Industries, an office of DTIRIS for and on behalf of the state of NSW, Grains Research and Development Corporation**Agent:** N/A**Telephone:** 0263913641**Fax:** 026391374

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



## Plant Varieties Journal - Search Result Details

**Durum Wheat (*Triticum turgidum* var. *durum*)****Variety:** 'DBA Bindaroi'**Synonym:** N/A**Application no:** 2016/377**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 19-Dec-2016**Accepted:** 07-Feb-2017**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** The Department of Primary Industries for and on behalf of the State of NSW, Grains Research and Development Corporation**Agent:** N/A**Telephone:** 0263913641**Fax:** 0263913740

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



## Plant Varieties Journal - Search Result Details

**Field Pea (*Pisum sativum*)****Variety:** 'PBA Butler'**Synonym:** N/A**Application no:** 2017/324**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 10-Nov-2017**Accepted:** 12-Dec-2017**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title:** Agriculture Victoria Services, Grains Research and**Holder:** Development Corporation**Agent:** Agriculture Victoria Services**Telephone:** 0392174138**Fax:** 0392174161

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



## Plant Varieties Journal - Search Result Details

**Hybridberry (*Rubus subgenus Eubatus*)****Variety:** 'Purple Star'**Synonym:** N/A**Application no:** 2016/057**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 23-Feb-2016**Accepted:** 31-Mar-2016**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title:** The New Zealand Institute for Plant and Food Research**Holder:** Limited**Agent:** AJ Park**Telephone:** 6444740893**Fax:** N/A

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



## Plant Varieties Journal - Search Result Details

**Industrial Hemp (*Cannabis sativa*)**

**Variety:** 'Farnsfield'  
**Synonym:** N/A

**Application no:** 2015/278  
**Current status:** ACCEPTED  
**Certificate no:** N/A  
**Received:** 21-Oct-2015  
**Accepted:** 03-Dec-2015  
**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 31, Issue 2

**Title Holder:** Agri Fibre Industries Pty. Ltd.  
**Agent:** N/A  
**Telephone:** 0741556916  
**Fax:** N/A

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



## Plant Varieties Journal - Search Result Details

**Interspecific apricot (*Prunus armeniaca x salicina*)**

**Variety:** 'BellaRose'  
**Synonym:** N/A

**Application no:** 2016/101  
**Current status:** ACCEPTED  
**Certificate no:** N/A  
**Received:** 09-May-2016  
**Accepted:** 25-Oct-2016  
**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 31, Issue 2

**Title Holder:** Zaiger's Inc. Genetics  
**Agent:** Graham's Factree Pty Ltd  
**Telephone:** 0399991999  
**Fax:** 0359674645

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





## Plant Varieties Journal - Search Result Details

**Interspecific Plum (*Prunus salicina* x *armeniaca*)**

**Variety:** 'FallFiesta'  
**Synonym:** N/A

**Application no:** 2015/157  
**Current status:** ACCEPTED  
**Certificate no:** N/A  
**Received:** 22-Jun-2015  
**Accepted:** 06-Aug-2015  
**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 31, Issue 2

**Title Holder:** Zaiger's Inc. Genetics  
**Agent:** Graham's Factree Pty Ltd  
**Telephone:** 0399991999  
**Fax:** 0359674645

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

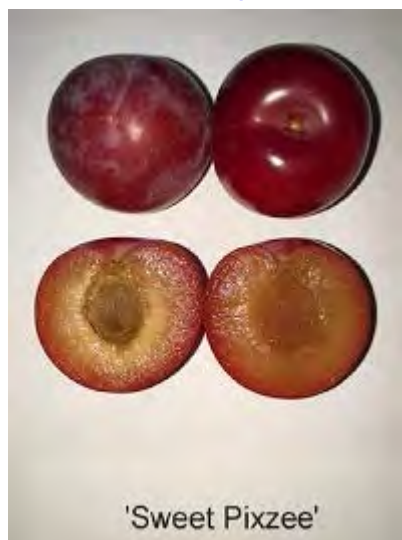


'FallFiesta'

## Plant Varieties Journal - Search Result Details

**Interspecific Plum Cherry (*Prunus salicina x avium*)****Variety:** 'Sweet Pixzee'**Synonym:** N/A**Application no:** 2015/156**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 22-Jun-2015**Accepted:** 06-Aug-2015**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** Zaiger's Inc. Genetics**Agent:** Graham's Factree Pty Ltd**Telephone:** 0399991999**Fax:** 0359674645

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



## Plant Varieties Journal - Search Result Details

**Kikuyu grass (*Pennisetum clandestinum*)****Variety:** 'MU2'**Synonym:** N/A**Application no:** 2016/260**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 15-Sep-2016**Accepted:** 11-Oct-2016**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** Lawn Solutions Australia**Agent:** N/A**Telephone:** N/A**Fax:** N/A

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



## Plant Varieties Journal - Search Result Details

**Lettuce (*Lactuca sativa*)****Variety:** 'Frisskei'**Synonym:** N/A**Application no:** 2015/155**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 19-Jun-2015**Accepted:** 28-Jul-2015**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** Vilmorin**Agent:** Shelston IP**Telephone:** 0297771111**Fax:** 0292414666

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



## Plant Varieties Journal - Search Result Details

**Lettuce (*Lactuca sativa*)****Variety:** 'Buzbie'**Synonym:** N/A**Application no:** 2016/012**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 13-Jan-2016**Accepted:** 11-Feb-2016**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** Nunhems B.V.**Agent:** Shelston IP**Telephone:** 0297771111**Fax:** 0292414666

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



## Plant Varieties Journal - Search Result Details

**Lettuce (*Lactuca sativa*)**

**Variety:** 'Densilva'  
**Synonym:** N/A

**Application no:** 2015/031  
**Current status:** ACCEPTED  
**Certificate no:** N/A  
**Received:** 17-Feb-2015  
**Accepted:** 18-Mar-2015  
**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 31, Issue 2

**Title Holder:** Nunhems B.V.  
**Agent:** Shelston IP  
**Telephone:** 0297771111  
**Fax:** 0292414666

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



## Plant Varieties Journal - Search Result Details

**Marguerite Daisy (*Argyranthemum frutescens*)****Variety:** 'SUPA2142'**Synonym:** N/A**Application no:** 2017/045**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 06-Mar-2017**Accepted:** 26-Apr-2017**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** NuFlora International Pty Ltd**Agent:** Ramm Botanicals Pty Ltd**Telephone:** 0243512099**Fax:** 0243531875[View the detailed description of this variety.](#)

## Plant Varieties Journal - Search Result Details

**New Guinea Impatiens (*Impatiens hybrid*)**

**Variety:** 'Kirotanze'  
**Synonym:** N/A

**Application no:** 2014/278  
**Current status:** ACCEPTED  
**Certificate no:** N/A  
**Received:** 14-Nov-2014  
**Accepted:** 25-Feb-2015  
**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 31, Issue 2

**Title Holder:** Innovaplant Zierpflanzen GmbH & Co KG  
**Agent:** Haars Nursery Pty Ltd  
**Telephone:** 0359732999  
**Fax:** 0359773385

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





## Plant Varieties Journal - Search Result Details

**New Guinea Impatiens (*Impatiens hybrid*)**

**Variety:** 'Kironanete'  
**Synonym:** N/A

**Application no:** 2014/304  
**Current status:** ACCEPTED  
**Certificate no:** N/A  
**Received:** 14-Nov-2014  
**Accepted:** 25-Feb-2015  
**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 31, Issue 2

**Title Holder:** Innovaplant Zierpflanzen GmbH & Co KG  
**Agent:** Haars Nursery Pty Ltd  
**Telephone:** 0359732999  
**Fax:** 0359773385

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



## Plant Varieties Journal - Search Result Details

**Oats (*Avena sativa*)**

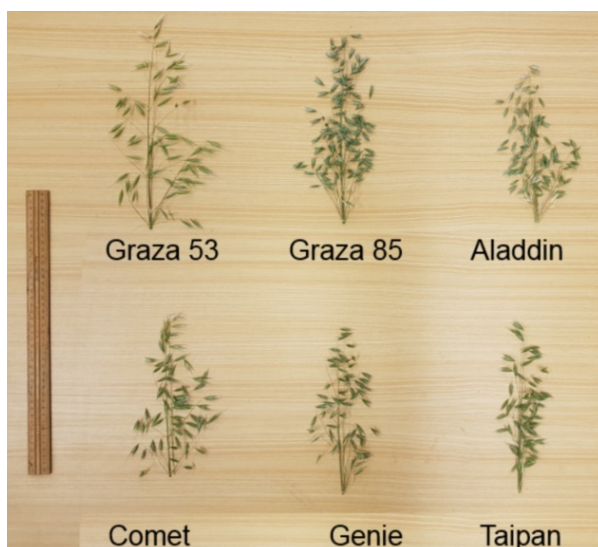
**Variety:** 'Graza 53'  
**Synonym:** N/A

**Application no:** 2014/204  
**Current status:** ACCEPTED  
**Certificate no:** N/A  
**Received:** 11-Sep-2014  
**Accepted:** 07-Oct-2014  
**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 31, Issue 2

**Title Holder:** Agriculture and Agri-Food Canada  
**Agent:** Austgrains Pty Ltd  
**Telephone:** 0267522300  
**Fax:** 0267524957

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



## Plant Varieties Journal - Search Result Details

**Oats (*Avena sativa*)**

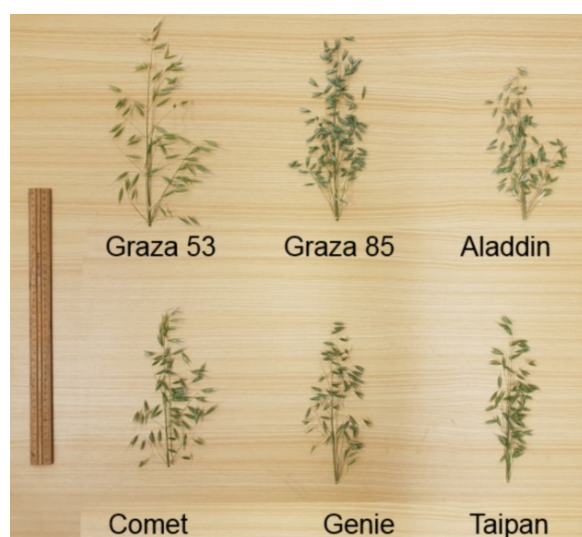
**Variety:** 'Graza 85'  
**Synonym:** N/A

**Application no:** 2014/110  
**Current status:** ACCEPTED  
**Certificate no:** N/A  
**Received:** 13-Jun-2014  
**Accepted:** 27-Jun-2014  
**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 31, Issue 2

**Title:** Her Majesty The Queen in Right of Canada as represented by  
**Holder:** the Minister of Agriculture and Agri-Food  
**Agent:** Austgrains Pty Ltd  
**Telephone:** 0267522300  
**Fax:** 0267524957

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## Plant Varieties Journal - Search Result Details

**Oats (*Avena sativa*)****Variety:** 'Bilby'**Synonym:** N/A**Application no:** 2017/275**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 11-Sep-2017**Accepted:** 17-Nov-2017**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** MINISTER FOR PRIMARY INDUSTRIES AND REGIONAL DEVELOPMENT (Acting through the South Australian Research and Development Institute), Grains Research and Development Corporation**Agent:** N/A**Telephone:** 0883039398**Fax:** 0883039403

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



## Plant Varieties Journal - Search Result Details

**Ornamental Sweet Potato (*Ipomoea batatas*)**

**Variety:** 'SPFR1'  
**Synonym:** N/A

**Application no:** 2017/330  
**Current status:** ACCEPTED  
**Certificate no:** N/A  
**Received:** 20-Nov-2017  
**Accepted:** 18-Dec-2017  
**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 31, Issue 2

**Title:** The New Zealand Institute for Plant and Food Research  
**Holder:** Limited  
**Agent:** A J Park  
**Telephone:** 44740893  
**Fax:** 044723358

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



## Plant Varieties Journal - Search Result Details

**Peanut (*Arachis hypogaea*)****Variety:** 'Wooroolin Runner'**Synonym:** N/A**Application no:** 2018/062**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 06-Mar-2018**Accepted:** 18-Apr-2018**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** G Crumpton and Sons and Company Pty Ltd**Agent:** N/A**Telephone:** 0741623547**Fax:** 0741624582

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



## Plant Varieties Journal - Search Result Details

**Peanut (*Arachis hypogaea*)****Variety:** 'MRVB'**Synonym:** N/A**Application no:** 2018/063**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 07-Mar-2018**Accepted:** 18-Apr-2018**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** G Crumpton and Sons and Company Pty Ltd**Agent:** N/A**Telephone:** 0741623547**Fax:** 0741624582

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



## Plant Varieties Journal - Search Result Details

**Pineapple Guava (*Acca sellowiana*)**

**Variety:** 'Anatoki'  
**Synonym:** N/A

**Application no:** 2013/314  
**Current status:** ACCEPTED  
**Certificate no:** N/A  
**Received:** 13-Dec-2013  
**Accepted:** 12-Feb-2014  
**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 31, Issue 2

**Title Holder:** Roy Hart  
**Agent:** Graham's Factree Pty Ltd  
**Telephone:** 0399991999  
**Fax:** 0359674645

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





## Plant Varieties Journal - Search Result Details

**Potato (*Solanum tuberosum*)****Variety:** 'Ivory Russet'**Synonym:** N/A**Application no:** 2012/026**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 03-Feb-2012**Accepted:** 29-May-2012**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** IPR B.V.**Agent:** Forth Farm Produce Pty Ltd trading as Harvest Moon**Telephone:** 0364282502**Fax:** 0364282952

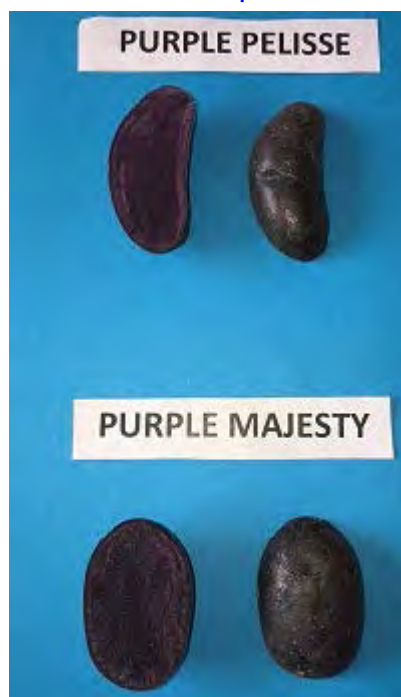
[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Potato (*Solanum tuberosum*)****Variety:** 'PurplePelisse'**Synonym:** PurpleBliss**Application no:** 2015/044**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 13-Mar-2015**Accepted:** 27-Mar-2015**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** Oregon State University**Agent:** Anchor Organics**Telephone:** N/A**Fax:** N/A

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



## Plant Varieties Journal - Search Result Details

**Quinoa (*Chenopodium quinoa*)****Variety:** 'Medusa'**Synonym:** N/A**Application no:** 2015/141**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 15-Jun-2015**Accepted:** 25-Sep-2015**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** Australian Grown Superfoods Pty Ltd**Agent:** N/A**Telephone:** 0898641041**Fax:** 0898641093

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



## Plant Varieties Journal - Search Result Details

**Rose (*Rosa hybrid*)**

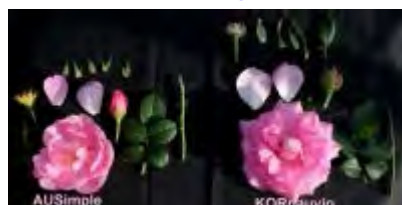
**Variety:** 'KORpauvio'  
**Synonym:** N/A

**Application no:** 2011/154  
**Current status:** ACCEPTED  
**Certificate no:** N/A  
**Received:** 08-Jul-2011  
**Accepted:** 15-Aug-2012  
**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 31, Issue 2

**Title Holder:** W. Kordes' Sohne Rosenschulen GmbH & Co KG  
**Agent:** Treloar Roses Pty Ltd  
**Telephone:** 0355292367  
**Fax:** 0355292511

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



## Plant Varieties Journal - Search Result Details

**Rose (*Rosa hybrid*)**

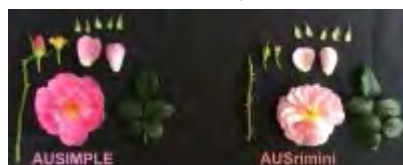
**Variety:** 'AUSIMPLE'  
**Synonym:** N/A

**Application no:** 2010/326  
**Current status:** ACCEPTED  
**Certificate no:** N/A  
**Received:** 24-Dec-2010  
**Accepted:** 20-Jan-2011  
**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 31, Issue 2

**Title Holder:** David Austin Roses Limited  
**Agent:** Siebler Publishing Services  
**Telephone:** 0398895281  
**Fax:** 0398895453

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



## Plant Varieties Journal - Search Result Details

**Rose (*Rosa hybrid*)**

**Variety:** 'Ausboxer'  
**Synonym:** N/A

**Application no:** 2014/078  
**Current status:** ACCEPTED  
**Certificate no:** N/A  
**Received:** 30-Apr-2014  
**Accepted:** 13-May-2014  
**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 31, Issue 2

**Title Holder:** David Austin Roses Limited  
**Agent:** Siebler Publishing Services  
**Telephone:** 0398895281  
**Fax:** 0398895453

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



## Plant Varieties Journal - Search Result Details

**Rose (*Rosa hybrid*)****Variety:** 'AUSWINSTON'**Synonym:** N/A**Application no:** 2017/073**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 24-Mar-2017**Accepted:** 19-Apr-2017**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** David Austin Roses Limited**Agent:** Siebler Publishing Services**Telephone:** 0398895281**Fax:** 0398895453

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



## Plant Varieties Journal - Search Result Details

**Rose (*Rosa sp*)****Variety:** 'Auschris'**Synonym:** N/A**Application no:** 2014/166**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 21-Jul-2014**Accepted:** 01-Sep-2014**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 31, Issue 2

**Title Holder:** David Austin Roses Limited**Agent:** Siebler Publishing Services**Telephone:** 0398895281**Fax:** 0398895453

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





## Plant Varieties Journal - Search Result Details

**Southern Highbush Blueberry (*Vaccinium hybrid*)****Variety:** 'Ridley 0808'**Synonym:** N/A**Application no:** 2017/244**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 24-Aug-2017**Accepted:** 20-Dec-2017**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** Mountain Blue Orchards Pty Ltd**Agent:** N/A**Telephone:** 0266248258**Fax:** 0266246070

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



## Plant Varieties Journal - Search Result Details

**Southern Highbush Blueberry (*Vaccinium hybrid*)****Variety:** 'Ridley 1607'**Synonym:** N/A**Application no:** 2017/245**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 24-Aug-2017**Accepted:** 01-Mar-2018**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** Mountain Blue Orchards Pty Ltd**Agent:** N/A**Telephone:** 0266248258**Fax:** 0266246070

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



## Plant Varieties Journal - Search Result Details

**Southern Highbush Blueberry (*Vaccinium hybrid*)****Variety:** 'Ridley 1105'**Synonym:** N/A**Application no:** 2017/100**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 18-Apr-2017**Accepted:** 29-May-2017**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** Mountain Blue Orchards Pty Ltd**Agent:** N/A**Telephone:** 0266248258**Fax:** 0266246070

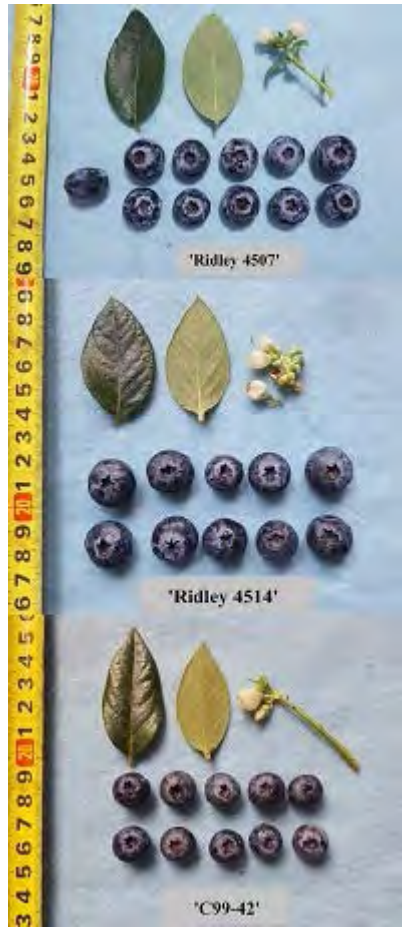
[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Southern Highbush Blueberry (*Vaccinium hybrid*)****Variety:** 'Ridley 4507'**Synonym:** N/A**Application no:** 2017/101**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 18-Apr-2017**Accepted:** 29-May-2017**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** Mountain Blue Orchards Pty Ltd**Agent:** N/A**Telephone:** 0266248258**Fax:** 0266246070

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

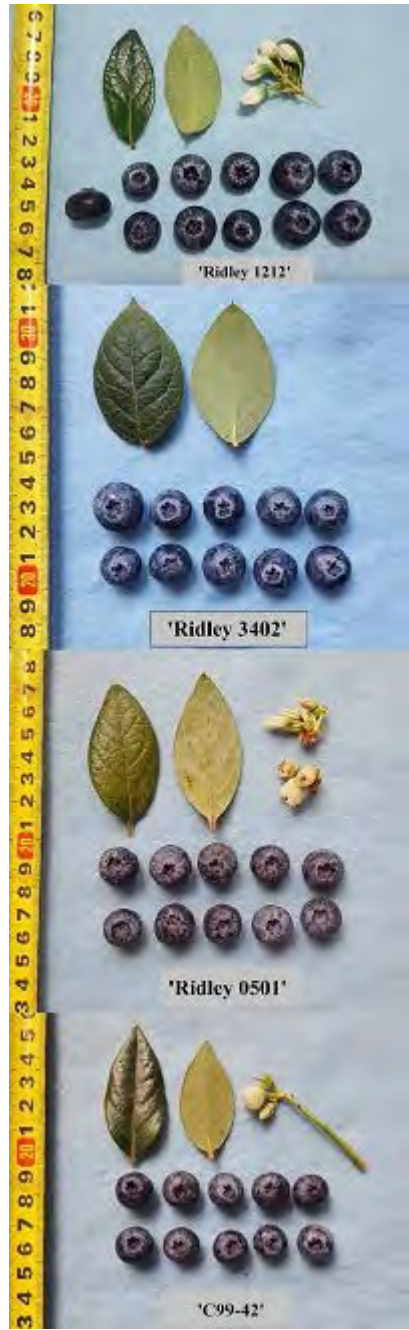




## Plant Varieties Journal - Search Result Details

**Southern Highbush Blueberry (*Vaccinium hybrid*)****Variety:** 'Ridley 1212'**Synonym:** N/A**Application no:** 2017/102**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 18-Apr-2017**Accepted:** 29-May-2017**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** Mountain Blue Orchards Pty Ltd**Agent:** N/A**Telephone:** 0266248258**Fax:** 0266246070

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



## Plant Varieties Journal - Search Result Details

**Southern Highbush Blueberry (*Vaccinium hybrid*)****Variety:** 'Ridley 4408'**Synonym:** N/A**Application no:** 2017/104**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 19-Apr-2017**Accepted:** 29-May-2017**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** Mountain Blue Orchards Pty Ltd**Agent:** N/A**Telephone:** 0266248258**Fax:** 0266246070

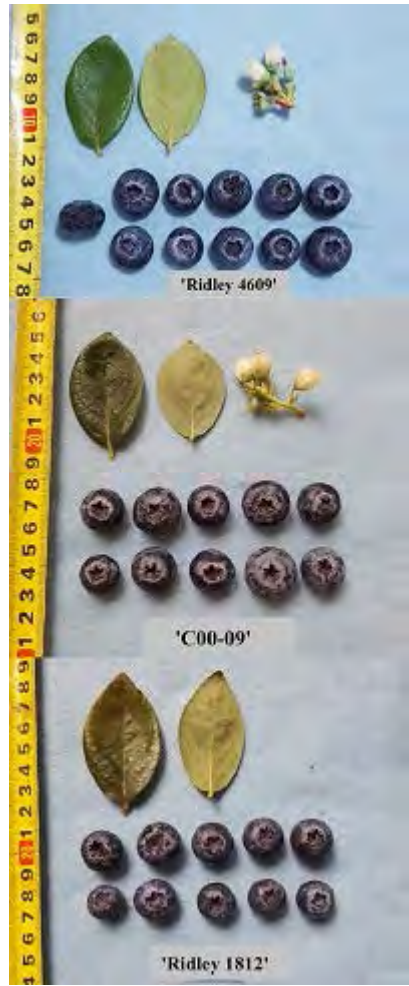
[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Southern Highbush Blueberry (*Vaccinium hybrid*)****Variety:** 'Ridley 4609'**Synonym:** N/A**Application no:** 2017/105**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 19-Apr-2017**Accepted:** 29-May-2017**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** Mountain Blue Orchards Pty Ltd**Agent:** N/A**Telephone:** 0266248258**Fax:** 0266246070

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



## Plant Varieties Journal - Search Result Details

**Strawberry (*Fragaria xananassa*)**

**Variety:** 'MYAG-2AD'  
**Synonym:** Seiichi

**Application no:** 2017/193

**Current status:** ACCEPTED

**Certificate no:** N/A

**Received:** 21-Jun-2017

**Accepted:** 05-Sep-2017

**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 31, Issue 2

**Title Holder:** Miyoshi & Co., Ltd.  
**Agent:** Berry Sensation Pty Ltd  
**Telephone:** 0385458800  
**Fax:** N/A

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



## Plant Varieties Journal - Search Result Details

**Sugarcane (*Saccharum hybrid*)**

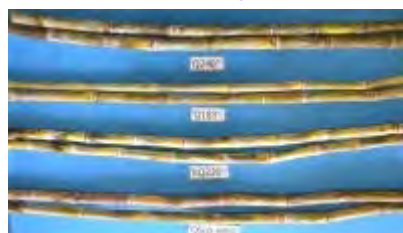
**Variety:** 'SRA11'  
**Synonym:** N/A

**Application no:** 2016/207  
**Current status:** ACCEPTED  
**Certificate no:** N/A  
**Received:** 02-Aug-2016  
**Accepted:** 30-Aug-2016  
**Granted:** N/A

**Description published in Plant Varieties Journal:** Volume 31, Issue 2

**Title Holder:** Sugar Research Australia Limited  
**Agent:** N/A  
**Telephone:** 0741522153  
**Fax:** N/A

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





## Plant Varieties Journal - Search Result Details

**Tibouchina (*Tibouchina hybrid*)****Variety:** 'Peace Baby'**Synonym:** N/A**Application no:** 2013/124**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 27-May-2013**Accepted:** 14-Jun-2013**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** Terence Charles Keogh**Agent:** Plants Management Australia**Telephone:** 0362659050**Fax:** 0362659919

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



## Plant Varieties Journal - Search Result Details

**Tomato (*Solanum lycopersicum*)****Variety:** 'PROGRESSION'**Synonym:** N/A**Application no:** 2017/057**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 15-Mar-2017**Accepted:** 30-Mar-2017**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** Nunhems B.V.**Agent:** Shelston IP**Telephone:** 0297771111**Fax:** 0292414666

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



## Plant Varieties Journal - Search Result Details

**Wheat (*Triticum aestivum*)****Variety:** 'DS Faraday'**Synonym:** N/A**Application no:** 2016/370**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 13-Dec-2016**Accepted:** 19-Dec-2016**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** The University of Queensland**Agent:** UniQuest Pty Limited**Telephone:** 0733654037**Fax:** 0733654433

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



## Plant Varieties Journal - Search Result Details

**Wheat (*Triticum aestivum*)****Variety:** 'Longsword'**Synonym:** N/A**Application no:** 2017/263**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 31-Aug-2017**Accepted:** 20-Oct-2017**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** Australian Grain Technologies Pty Ltd**Agent:** N/A**Telephone:** 0883136861**Fax:** 0883136865

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



## Plant Varieties Journal - Search Result Details

**Winter Daphne (*Daphne odora*)****Variety:** 'Sweet Amethyst'**Synonym:** N/A**Application no:** 2016/272**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 04-Oct-2016**Accepted:** 02-Nov-2016**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** Evan David Lloyd**Agent:** Touch of Class Plants Pty Ltd**Telephone:** 0356292443**Fax:** N/A

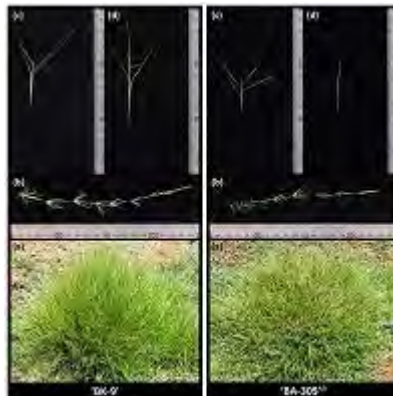
[View the detailed description of this variety.](#)



## Plant Varieties Journal - Search Result Details

**Zoysia Grass (*Zoysia japonica x pacifica* (syn. *Zoysia japonica x tenuifolia*))****Variety:** 'BK-9'**Synonym:** N/A**Application no:** 2016/064**Current status:** ACCEPTED**Certificate no:** N/A**Received:** 29-Feb-2016**Accepted:** 04-Apr-2016**Granted:** N/A**Description published in Plant Varieties Journal:** Volume 31, Issue 2**Title Holder:** Sod Solutions, Inc.**Agent:** Hi Quality Turf Pty Ltd**Telephone:** 0245723666**Fax:** 0245723692

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



<b>Details of Application</b>	
<b>Application Number</b>	2016/268
<b>Variety Name</b>	'Sea Heart'
<b>Genus Species</b>	<i>Brunnera macrophylla</i>
<b>Common Name</b>	Brunnera
<b>Synonym</b>	N/A
<b>Accepted Date</b>	23 Mar 2017
<b>Applicant</b>	Peter Jan Willemsen, The Netherlands
<b>Agent</b>	Plants Management Australia, Dodges Ferry, TAS
<b>Qualified Person</b>	Steve Eggleton
<b>Details of Comparative Trial</b>	
<b>Location</b>	Wonga Park, VIC
<b>Descriptor</b>	PBR Brunnera ( <i>Brunnera macrophylla</i> )
<b>Period</b>	April 2017 to October 2017
<b>Conditions</b>	Trial conducted in the open, plants received from tissue culture in April 2017, transferred from tubes to 140 mm pots in August 2017. Pots filled with soilless, pinebark based mix with controlled release fertilizers. Appropriate pest and disease treatments were applied as required
<b>Trial Design</b>	Twelve plants of each variety in a randomised design
<b>Measurements</b>	Measurements were taken in the metric system from ten plants randomly selected
<b>RHS Chart - edition</b>	2017
<b>Origin and Breeding</b>	
Spontaneous mutation: 'Sea Heart' was first identified in 2010 in a container production of 'Silver Lace'. It was evaluated for its leaf shape, silver colouration and leaf strength and was finally selected for propagation in January 2011. It was successfully produced via tissue culture and all subsequent generations have remained uniform and stable. Final selection criteria was leaf thickness thick, leaf shape round to cordate, leaf degree of silver colouration strong. Breeder: Peter Jan Willemsen, the Netherlands.	

<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Leaf	shape of apex	acuminate
Flower	shape	rotate
Leaf	degree of silver colouration upper surface	strong
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
'Silver Heart'		

‘Jack Frost’	
‘Looking Glass’	

<b>Varieties of Common Knowledge identified and subsequently excluded</b>					
<b>Variety</b>	<b>Distinguishing Characteristics</b>		<b>State of Expression in Candidate Variety</b>	<b>State of Expression in Comparator Variety</b>	<b>Comments</b>
‘Silver Lace’	Leaf	degree of silver colouration upper surface	strong	weak to medium	
‘Silver Wings’	Leaf	degree of silver colouration upper surface	strong	weak to medium	

<b>Variety Description and Distinctness - Characteristics which distinguish the candidate from the comparators are marked with a tick.</b>				
<b>Organ/Plant Part: Context</b>	<b>‘Sea Heart’</b>	<b>‘Silver Heart’</b>	<b>‘Jack Frost’</b>	<b>‘Looking Glass’</b>
<input type="checkbox"/> plant: type	herbaceous perennial	herbaceous perennial	herbaceous perennial	herbaceous perennial
<input type="checkbox"/> plant: growth habit	bushy	bushy	bushy	bushy
<input type="checkbox"/> plant: height	medium	medium	medium	medium
<input checked="" type="checkbox"/> leaf blade: lower surface ground (primary) colour (RHS colour chart)	191D	191D	194C	194C
<input checked="" type="checkbox"/> leaf: thickness	thick	medium	thin to medium	thin
<input type="checkbox"/> leaf: venation	present	present	present	present
<input type="checkbox"/> leaf: colour of venation on upper surface (RHS colour chart)	N137B	137C	137C	137D
<input checked="" type="checkbox"/> leaf: prominence of venation on lower surface	strong	medium to strong	medium	very weak
<input checked="" type="checkbox"/> leaf: thickness of green margin	thick to very thick	thick	thin	very thin to thin
<input checked="" type="checkbox"/> leaf: degree of green colouration at base	strong	weak	medium to strong	very weak



<input checked="" type="checkbox"/> Petiole: degree of hairiness	very high	medium to high	high	high
<input type="checkbox"/> leaf: shape of apex	acuminate	acuminate	acuminate	acuminate
<input type="checkbox"/> leaf: size	medium to large	small to medium	small to medium	medium to large
<input type="checkbox"/> leaf: shape of base	auriculate	cordate to auriculate	cordate to auriculate	cordate
<input type="checkbox"/> flower: shape	rotate	rotate	rotate	rotate
<input type="checkbox"/> flower: corolla main colour on upper side (RHS colour chart)	98A	100B	100B	100B

<b>Characteristics Additional to the Descriptor/TG</b>				
<b>Organ/Plant Part: Context</b>	<b>‘Sea Heart’</b>	<b>‘Silver Heart’</b>	<b>‘Jack Frost’</b>	<b>‘Looking Glass’</b>
<input checked="" type="checkbox"/> Leaf: shape	round-cordate	cordate	cordate	cordate
<input type="checkbox"/> Leaf: degree of silver colour of upper surface	strong	strong	strong	strong to very strong

**Prior Applications and Sales:**

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
EU	2012	granted	‘Sea Heart’
USA	2012	granted	‘Sea Heart’

First sold in USA on 13<sup>th</sup> November 2012 and in Australia on 1<sup>st</sup> October 2015.

Description: **Amelia Pegg**, Plant Growers Australia Pty Ltd, Wonga Park, VIC.

<b>Details of Application</b>	
<b>Application Number</b>	2016/267
<b>Variety Name</b>	'Silver Heart'
<b>Genus Species</b>	<i>Brunnera macrophylla</i>
<b>Common Name</b>	Brunnera
<b>Synonym</b>	N/A
<b>Accepted Date</b>	23 Mar 2017
<b>Applicant</b>	Peter Jan Willemsen, The Netherlands
<b>Agent</b>	Plants Management Australia, Dodges Ferry, TAS
<b>Qualified Person</b>	Steve Eggleton
<b>Details of Comparative Trial</b>	
<b>Location</b>	Wonga Park, VIC
<b>Descriptor</b>	PBR Brunnera ( <i>Brunnera macrophylla</i> )
<b>Period</b>	April 2017 to October 2017
<b>Conditions</b>	Trial conducted in the open, plants received from tissue culture in April 2017, transferred from tubes to 140mm pots in August 2017. Pots filled with soilless, pinebark based mix with controlled release fertilizers. Appropriate pest and disease treatments were applied as required
<b>Trial Design</b>	Twelve plants of each variety in a randomised design
<b>Measurements</b>	Measurements were taken in the metric system from ten plants randomly selected
<b>RHS Chart - edition</b>	2017
<b>Origin and Breeding</b>	
Spontaneous mutation: 'Silver Heart' was first identified in 2010 in a container production of 'Silver Lace'. It was evaluated for its leaf shape, silver colouration and leaf strength and was finally selected for propagation in January 2011. It was successfully produced via tissue culture and all subsequent generations have remained uniform and stable. Final selection criteria was leaf thickness medium, leaf shape cordate, leaf degree of silver colouration strong. Breeder: Peter Jan Willemsen, the Netherlands.	

<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Leaf	shape of apex	acuminate
Flower	shape	rotate
Leaf	degree of silver colouration upper surface	strong
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
'Jack Frost'		

‘Looking Glass’	
‘Sea Heart’	

<b>Varieties of Common Knowledge identified and subsequently excluded</b>					
<b>Variety</b>	<b>Distinguishing Characteristics</b>		<b>State of Expression in Candidate Variety</b>	<b>State of Expression in Comparator Variety</b>	<b>Comments</b>
‘Silver Lace’	Leaf	degree of silver colouration upper surface	strong	weak to medium	
‘Silver Wings’	Leaf	degree of silver colouration upper surface	strong	weak to medium	

<b>Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.</b>				
<b>Organ/Plant Part: Context</b>	<b>‘Silver Heart’</b>	<b>‘Sea Heart’</b>	<b>‘Jack Frost’</b>	<b>‘Looking Glass’</b>
<input type="checkbox"/> plant: type	herbaceous perennial	herbaceous perennial	herbaceous perennial	herbaceous perennial
<input type="checkbox"/> plant: growth habit	bushy	bushy	bushy	bushy
<input type="checkbox"/> plant: height	medium	medium	medium	medium
<input checked="" type="checkbox"/> leaf blade: lower surface ground (primary) colour (RHS colour chart)	191D	191D	194C	194C
<input checked="" type="checkbox"/> leaf: thickness	medium	thick to very thick	thin to medium	thin
<input type="checkbox"/> leaf: venation	present	present	present	present
<input checked="" type="checkbox"/> leaf: prominence of venation on lower surface	medium to strong	strong	medium	very weak
<input type="checkbox"/> leaf: colour of venation on lower surface (RHS colour chart)	137C	N137B	137C	137D
<input checked="" type="checkbox"/> leaf: thickness of green margin	thick	thick to very thick	thin	very thin to thin
<input checked="" type="checkbox"/> leaf: degree of green colouration at base	weak	strong	medium to strong	very weak
<input checked="" type="checkbox"/> Petiole: degree of hairiness	medium	very high	high	high

<input type="checkbox"/> leaf: shape of apex	acuminate	acuminate	acuminate	acuminate
<input type="checkbox"/> leaf : size	small	medium to large	small to medium	medium to large
<input type="checkbox"/> leaf: shape of base	cordate	auriculate	cordate	cordate
<input type="checkbox"/> flower: shape	rotate	rotate	rotate	rotate
<input type="checkbox"/> flower: corolla main colour on upper side (RHS colour chart)	100B	98A	100B	100B

<b>Characteristics Additional to the Descriptor/TG</b>				
<b>Organ/Plant Part: Context</b>	<b>‘Silver Heart’</b>	<b>‘Sea Heart’</b>	<b>‘Jack Frost’</b>	<b>‘Looking Glass’</b>
<input checked="" type="checkbox"/> Leaf : shape	cordate	round-cordate	cordate	cordate
<input type="checkbox"/> Leaf: degree of silver colour of upper surface	strong	strong	strong	strong to very strong

### **Prior Applications and Sales:**

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
EU	2012	granted	‘Silver Heart’
USA	2012	granted	‘Silver Heart’

First sold in USA on 13<sup>th</sup> November 2012 and in Australia on 1<sup>st</sup> October 2015.

Description: **Amelia Pegg**, Plant Growers Australia Pty Ltd, Wonga Park, VIC.

<b>Details of Application</b>	
<b>Application Number</b>	2018/079
<b>Variety Name</b>	'JCU-BP'
<b>Genus Species</b>	<i>Clitoria ternatea</i>
<b>Common Name</b>	Butterfly pea
<b>Accepted Date</b>	17 Apr 2018
<b>Applicant</b>	James Cook University, Townsville, QLD
<b>Agent</b>	Agrimix Pastures Pty Ltd, Virginia, QLD
<b>Qualified Person</b>	Dr Donald S. Loch
<b>Details of Comparative Trial</b>	
<b>Location</b>	Birkdale, QLD, Australia (Latitude 27°30'S, longitude 153°14'E, elevation 18 masl)
<b>Descriptor</b>	PBR CLIT
<b>Period</b>	13 Nov 2017 – 12 Jun 2018
<b>Conditions</b>	Seeds sown into a red volcanic (krasnozem or ferrosol) soil on 13 Nov 2017; watered with a slurry of Group M inoculant (CB756) on 9 Dec 2017; weed control by pendimethalin (Rifle 440) applied pre-emergence on 14 Nov 2017; 313 kg/ha of blended fertiliser (N:P:K:S = 12.8:14.2:11.9:6.4) applied after planting on 14 Nov 2017 to give 40 kg N, 44 kg P, 37 kg K, and 20 kg S per hectare; supplementary trickle irrigation applied as required to maintain unstressed growth. Sprayed weekly with azoxystrobin (2-28 Dec 2017) to control damping off of seedlings.
<b>Trial Design</b>	32 plants of each of 2 cultivars ('JCU-BP', 'Milgarra') plus a second generation of 'JCU-BP' arranged in 8 randomised blocks with 4 plants per plot in a single row along trickle irrigation lines; 0.6 m between plants in each plot and 1.2 m between plots in each row; 1.5 m between rows on trickle irrigation lines.
<b>Measurements</b>	Days to flowering determined progressively for each plant during the period 5 Jan – 7 Feb 2018. Leaves with 5 and 7 leaflets (one of each leaf type per plant) sampled from ±5th visible leaf node below the tip of a strong lateral branch and measured between 3-5 Apr 2018; measurements on flowers (one per plant) and pods (two per plant) also completed from 3-5 Apr 2018. Mature seed size determined from samples (one per plot - collected 3 Apr – 12 Jun 2018) dried at 35°C. Analyses of variance (ANOVAs) conducted with Genstat Release 12; differences significant at the 1% level quantified using Fisher's protected LSDs.
<b>RHS Chart - edition</b>	5th edition
<b>Origin and Breeding</b>	
'JCU-BP' was discovered in April 2015 as a double flowering plant growing among an urban population of single flowering common butterfly pea ( <i>Clitoria ternatea</i> ) in Townsville (QLD). It has since been grown for seed increase at James Cook	

University (Townsville) and at DAF's Walkamin Research Station. This seed was then used to sow small plot trials for evaluation at James Cook University (Townsville), "Fletcherview" (Charters Towers), Gin Gin, "Four Mile" (Major Creek), and "Peronne" (Hughenden) in Queensland. While the double flowering character is a very prominent visible trait of this plant compared to common butterfly pea, 'JCU-BP' also grows vigorously, producing large amounts of dry matter and good seed yields. In evaluation trials, 'JCU-BP' has been grown successfully across a wide range of environments and soil types, and is well accepted by livestock with good regrowth vigour post-grazing. Breeder: Chris Gardiner (James Cook University, Townsville).

**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

**Most Similar Varieties of Common Knowledge identified (VCK)**

Name	Comments
'Milgarra'	Industry standard; only variety of common knowledge

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

Organ/Plant Part: Context	'JCU-BP'	'Milgarra'
<input type="checkbox"/> Plant: growth habit	semi erect	semi erect
<input type="checkbox"/> Plant: growth pattern	indeterminate	indeterminate
<input type="checkbox"/> Plant: twining	present	present
<input type="checkbox"/> Plant: degree of twining	medium to strong	medium to strong
<input type="checkbox"/> Plant: vigour	strong	medium to strong
<input type="checkbox"/> Plant: density of branching	dense	dense
<input type="checkbox"/> Stem: pubescence	absent	absent
<input type="checkbox"/> Leaf: texture	medium	medium
<input checked="" type="checkbox"/> Leaf: intensity of green colour upper side	dark	medium
<input type="checkbox"/> Leaf: markings	absent	absent
<input type="checkbox"/> Leaf: pubescence	absent	absent
<input checked="" type="checkbox"/> Leaf: shape of terminal leaflet	ovate	elliptical
<input checked="" type="checkbox"/> Leaf: shape of apex - terminal leaflet	acute	rounded
<input checked="" type="checkbox"/> Leaf: shape of basal leaflet	ovate	elliptical
<input checked="" type="checkbox"/> Leaf: shape of apex - basal leaflet	acute	rounded
<input type="checkbox"/> Leaf: presence of anthocyanin on petiole	absent	absent

<input type="checkbox"/>	Flower: time of flowering (days to maturity)	early	early
<input checked="" type="checkbox"/>	Flower: type	double	single
<input type="checkbox"/>	Flower: length of calyx lobes	medium	medium
<input type="checkbox"/>	Flower: petal colour (RHS)	N95A	95A
<input type="checkbox"/>	Fruit: colour of immature pod (RHS)	146C	146C
<input type="checkbox"/>	Fruit: presence of anthocyanin - immature pod	absent	absent
<input type="checkbox"/>	Fruit: longitudinal shape of mature pod	slightly curved	slightly curved
<input type="checkbox"/>	Fruit: mature pod shape in cross section	flattened between sutures	flattened between sutures
<input checked="" type="checkbox"/>	Fruit: maximum depth from suture to suture	very broad	broad
<input type="checkbox"/>	Fruit: colour mature pod (RHS)	164B	164B
<input type="checkbox"/>	Fruit: thickness of walls - mature pod	medium	medium
<input type="checkbox"/>	Fruit: shattering - mature pod	present	present
<input type="checkbox"/>	Fruit: pubescence - mature pod	absent	absent
<input type="checkbox"/>	Seed: shape	oblong	oblong
<input type="checkbox"/>	Seed: shape in cross section	flattened	flattened
<input type="checkbox"/>	Seed: mottling of testa	absent	present
<input checked="" type="checkbox"/>	Seed: colour of testa (RHS)	N200A-202A	N199A
<input checked="" type="checkbox"/>	Seed: weight	high	medium

<b>Characteristics Additional to the Descriptor/TG</b>			
<b>Organ/Plant Part: Context</b>	<b>'JCU-BP'</b>	<b>'Milgarra'</b>	
<input type="checkbox"/>	Leaf: number of leaflets	5 and 7 (mixed)	5 and 7 (mixed)
<input checked="" type="checkbox"/>	Fruit: attitude of terminal beak - immature pod	some curved downwards and some straight	straight
<input checked="" type="checkbox"/>	Fruit: longitudinal pod profile	depth tapering towards stem end	depth uniform (not tapered)
<input checked="" type="checkbox"/>	Leaf: colour of upper side	137A	146B
<b>Statistical Table</b>			
<b>Organ/Plant Part: Context</b>	<b>'JCU-BP'</b>	<b>'Milgarra'</b>	
<input type="checkbox"/>	Plant: maturity (days to first flower)		
Mean	62.50	65.63	
Std. Deviation	11.36	8.21	
LSD/sig	10.09	ns	
<input type="checkbox"/>	Leaf with 5 leaflets: length of central rachis (mm)		
Mean	42.23	43.27	

Std. Deviation	4.17	6.11
LSD/sig	4.86	ns
<input type="checkbox"/> Leaf with 5 leaflets: petiole length (mm)		
Mean	30.61	29.23
Std. Deviation	4.01	5.17
LSD/sig	3.53	ns
<input type="checkbox"/> Leaf with 5 leaflets: length of terminal leaflet (mm)		
Mean	54.73	53.78
Std. Deviation	4.32	5.14
LSD/sig	3.23	ns
<input checked="" type="checkbox"/> Leaf with 5 leaflets: width of terminal leaflet (mm)		
Mean	33.72	36.88
Std. Deviation	2.42	2.65
LSD/sig	1.79	P≤0.01
<input checked="" type="checkbox"/> Leaf with 5 leaflets: length:width ratio of terminal leaflet		
Mean	1.63	1.46
Std. Deviation	0.12	0.13
LSD/sig	0.08	P≤0.01
<input type="checkbox"/> Leaf with 5 leaflets: length of basal lateral leaflet (mm)		
Mean	45.63	45.73
Std. Deviation	4.68	6.32
LSD/sig	4.25	ns
<input type="checkbox"/> Leaf with 5 leaflets: length:width ratio of basal lateral leaflet		
Mean	1.65	1.58
Std. Deviation	0.10	0.16
LSD/sig	0.11	ns
<input type="checkbox"/> Leaf with 7 leaflets: length of central rachis (mm)		
Mean	58.00	59.52
Std. Deviation	4.20	8.20
LSD/sig	4.67	ns
<input checked="" type="checkbox"/> Leaf with 7 leaflets: width of terminal leaflet (mm)		
Mean	24.03	26.52
Std. Deviation	2.13	2.59
LSD/sig	1.82	P≤0.01
<input checked="" type="checkbox"/> Leaf with 7 leaflets: length:width ratio of terminal leaflet		
Mean	1.63	1.48
Std. Deviation	0.09	0.13
LSD/sig	0.08	P≤0.01
<input type="checkbox"/> Leaf with 7 leaflets: length of terminal leaflet (mm)		
Mean	39.89	39.30
Std. Deviation	2.93	5.02
LSD/sig	3.13	ns



<input type="checkbox"/> Leaf with 7 leaflets: petiole length (mm)		
Mean	28.72	26.34
Std. Deviation	4.18	6.01
LSD/sig	3.75	ns
<input type="checkbox"/> Leaf with 7 leaflets: length of basal lateral leaflet (mm)		
Mean	40.75	41.75
Std. Deviation	4.14	4.63
LSD/sig	3.50	ns
<input checked="" type="checkbox"/> Leaf with 7 leaflets: width of basal lateral leaflet (mm)		
Mean	23.88	26.48
Std. Deviation	2.50	3.70
LSD/sig	2.23	P≤0.01
<input checked="" type="checkbox"/> Leaf with 7 leaflets: length width ratio of basal lateral leaflet		
Mean	1.70	1.59
Std. Deviation	0.11	0.15
LSD/sig	0.08	P≤0.01
<input type="checkbox"/> Flower: length of top sepal (mm)		
Mean	23.42	24.63
Std. Deviation	1.43	2.75
LSD/sig	1.99	ns
<input checked="" type="checkbox"/> Pod: length excluding beak (mm)		
Mean	99.59	101.84
Std. Deviation	4.27	6.58
LSD/sig	6.20	ns
<input checked="" type="checkbox"/> Pod: length of beak (mm)		
Mean	5.30	6.08
Std. Deviation	0.51	0.92
LSD/sig	0.59	P≤0.01
<input checked="" type="checkbox"/> Pod: maximum width (mm)		
Mean	4.91	4.55
Std. Deviation	0.30	0.24
LSD/sig	0.32	P≤0.01
<input checked="" type="checkbox"/> Pod: maximum depth (mm)		
Mean	11.62	10.62
Std. Deviation	0.43	0.57
LSD/sig	0.51	P≤0.01
<input checked="" type="checkbox"/> Pod: number of seeds per pod		
Mean	8.33	9.50
Std. Deviation	0.82	0.67
LSD/sig	0.69	P≤0.01
<input checked="" type="checkbox"/> Pod: number of seeds per cm of pod		
Mean	0.84	0.93

Std. Deviation	0.06	0.06
LSD/sig	0.04	P≤0.01
<input checked="" type="checkbox"/> Seed: 1000-seed weight (g)		
Mean	59.46	50.36
Std. Deviation	1.50	1.89
LSD/sig	2.20	P≤0.01
<input type="checkbox"/> Leaf with 5 leaflets: width of basal lateral leaflet (mm)		
Mean	27.66	29.00
Std. Deviation	3.10	3.71
LSD/sig	2.37	ns

### **Prior Applications and Sales:**

Nil

Description: **D.S. Loch**, Alexandra Hills, QLD & **C.M. Zorin**, Birkdale, QLD.

<b>Details of Application</b>		
<b>Application Number</b>	2017/103	
<b>Variety Name</b>	Ridley 1602	
<b>Genus Species</b>	<i>Vaccinium</i> hybrid	
<b>Common Name</b>	Southern Highbush Blueberry	
<b>Accepted Date</b>	29 May 2017	
<b>Applicant</b>	Mountain Blue Orchards Pty Ltd, Lindendale, NSW	
<b>Qualified Person</b>	Ian Paananen	
<b>Details of Comparative Trial</b>		
<b>Location</b>	Tabulam, NSW	
<b>Descriptor</b>	TG/137/4 Blueberry	
<b>Period</b>	September 2016-September 2017	
<b>Conditions</b>	Trial conducted in standard commercial field production conditions, plants propagated from cuttings, planted into field from 125mm pots.	
<b>Trial Design</b>	6 plants per variety randomly blocked in standard commercial beds	
<b>Measurements</b>	Fruit and leaf observations from 4 plants with 20 ripe fruit randomly picked and measurements taken from 10 of these fruit at random. Leaf observations from largest mature leaf on a branch.	
<b>RHS Chart - edition</b>	2015	
<b>Origin and Breeding</b>		
Controlled pollination: The seed parent 'Ridley 1403' was crossed with the pollen parent 'Ridley 4609' in 2011 in Lindendale, NSW. The seed parent is characterised by a semi-upright growth habit, round fruit shapes, medium fruit firmness, low-medium fruit sweetness and early to medium time of fruit ripening. The pollen parent is characterised by a medium-high fruit sweetness and late time of flowering and fruit ripening. In 2011 seed from the stated parents was grown on (approx 100 plants produced). In 2014 a single seedling (M14-16-02) selection made with desirable commercial traits and concluded as being of commercial value due to its distinctive traits. There has since been continued propagation of cuttings for commercial scale testing of field and post-harvest performance. As a result it was concluded to be a distinct and viable commercial variety and named 'Ridley 1602'. Selection criteria: very early to early time of flowering; strong vigour; large, sweet, firm berry, good flavour, suited to handling. Propagation: vegetative cuttings and micropropagation were found to be uniform and stable. Breeder: Ridley Bell, Lindendale, NSW.		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Plant	vigour	strong to very strong
Fruit	size	large
Fruit	shape in longitudinal section	oblate
Time of	beginning of flowering	very early or very early to early

<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>	
<b>Name</b>	<b>Comments</b>
'Ridley 1105'	
'Ridley 4514'	

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

<b>Organ/Plant Part: Context</b>	<b>'Ridley 1602'</b>	<b>'Ridley 1105'</b>	<b>'Ridley 4514'</b>
<input type="checkbox"/> *Plant: vigour	strong to very strong	strong	strong to very strong
<input type="checkbox"/> *Plant: growth habit	semi-upright	upright	upright
<input type="checkbox"/> One-year-old shoot: colour	greenish red	greenish red	green
<input checked="" type="checkbox"/> *Leaf: length	long to very long	long	medium
<input type="checkbox"/> Leaf: width	medium to broad	broad	medium
<input type="checkbox"/> *Leaf: shape	elliptic	elliptic	elliptic
<input type="checkbox"/> Leaf: colour of upper side	green	green	green
<input type="checkbox"/> *Leaf: intensity of green colour on upper side (varieties with green leaf colour only)	medium	medium	medium
<input type="checkbox"/> *Leaf: margin	entire	entire	entire
<input type="checkbox"/> Flower bud: anthocyanin colouration	weak	weak	weak
<input type="checkbox"/> Flower: shape of corolla	urceolate	urceolate	urceolate
<input type="checkbox"/> *Flower: size of corolla tube	medium	medium	medium
<input type="checkbox"/> *Flower: anthocyanin colouration of corolla tube	absent or very weak	absent or very weak	weak
<input type="checkbox"/> Flower: ridges on corolla tube	present	present	present
<input type="checkbox"/> Fruit cluster: density	medium	medium	medium
<input type="checkbox"/> *Unripe fruit: intensity of green colour	light	light	light
<input type="checkbox"/> *Fruit: size	large	large	large
<input type="checkbox"/> *Fruit: shape in longitudinal section	oblate	oblate	oblate
<input type="checkbox"/> Fruit: attitude of sepals	erect	erect	erect
<input type="checkbox"/> Fruit: type of sepals	straight	straight	straight
<input type="checkbox"/> Fruit: diameter of calyx basin	large	medium to large	medium to large
<input checked="" type="checkbox"/> Fruit: depth of calyx basin	deep	medium	deep to very deep
<input type="checkbox"/> *Fruit: intensity of bloom	strong	strong	strong

<input type="checkbox"/> *Fruit: colour of skin	dark blue	dark blue	dark blue
<input checked="" type="checkbox"/> Fruit: firmness	very firm	firm	firm
<input checked="" type="checkbox"/> *Fruit: sweetness	high to very high	high	medium to high
<input checked="" type="checkbox"/> *Fruit: acidity	medium to high	medium	low
<input type="checkbox"/> *Plant: fruiting type	on one-year-old and current season's shoots	on one-year-old and current season's shoots	on one-year-old and current season's shoots
<input type="checkbox"/> *Time of: vegetative bud burst	very early	early	late
<input type="checkbox"/> *Time of: beginning of flowering on current year's shoot (varieties which fruit on one-year-old and current season's shoots only)	very early to early	very early	very early
<input type="checkbox"/> *Time of: beginning of fruit ripening on current year's shoot (varieties which fruit on one-year-old and current season's shoots)	very early to early	very early	early

#### **Statistical Table**

<b>Organ/Plant Part: Context</b>	<b>'Ridley 1602'</b>	<b>'Ridley 1105'</b>	<b>'Ridley 4514'</b>
<input checked="" type="checkbox"/> Leaf: length (mm)			
Mean	65.10	56.60	51.50
Std. Deviation	8.80	4.30	3.20
LSD/sig	7.36	P≤0.01	P≤0.01

#### **Prior Applications and Sales:**

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
USA	2017	Pending	'Ridley 1602'

Description: **Ian Paananen**, Macmasters Beach, NSW

<b>Details of Application</b>	
<b>Application Number</b>	2011/310
<b>Variety Name</b>	'Zari'
<b>Genus Species</b>	<i>Malus domestica</i>
<b>Common Name</b>	Apple
<b>Synonym</b>	N/A
<b>Accepted Date</b>	16 Jan 2012
<b>Applicant</b>	Better3fruit NV, Heverlee, Belgium
<b>Agent</b>	APFIP Limited, Grove, Tasmania
<b>Qualified Person</b>	Garry Langford
<b>Details of Comparative Trial</b>	
<b>Overseas Testing Authority</b>	CPVO
<b>Overseas Data Reference Number</b>	APF 292
<b>Location</b>	Hannover, Germany
<b>Descriptor</b>	TG14/9
<b>Period</b>	2008-2009
<b>Conditions</b>	
<b>Trial Design</b>	
<b>Measurements</b>	As per UPOV Technical guidelines
<b>RHS Chart - edition</b>	N/A
<b>Origin and Breeding</b>	
Controlled pollination: The first observations were made in Fernelmont (Franc-Waret) Belgium in 1994. Subsequent observations were made in Rillaar and Gorsem, Belgium after 3 cycles of propagation. The key selection criteria were fruit quality, storability and shelf life. No off types have been observed. Breeder: Inge De Wit, Better3fruit NV, Heverlee, Belgium.	

<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Tree	type	ramified
Fruit	hue of over colour with bloom removed	red
Tree	habit	spreading
Fruit	shape	cylindrical
Fruit	relative area of over colour	medium to large
Fruit	pattern of over colour	solid flush with strongly defined stripes
Flowers	time of beginning of flowering	medium to late
Fruit	time of eating maturity	early to medium

<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>	
<b>Name</b>	<b>Comments</b>
'Delcorf Diana'	

<b>Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.</b>			
<b>Organ/Plant Part: Context</b>	<b>'Zari'</b>	<b>'Delcorf Diana'</b>	
<input type="checkbox"/> Tree: vigour	strong to very strong		
<input type="checkbox"/> *Tree: type	ramified		
<input type="checkbox"/> *Tree: habit (varieties with ramified tree type only)	spreading		
<input type="checkbox"/> Tree: type of bearing	on spurs and long shoots		
<input type="checkbox"/> One-year-old shoot: thickness	medium to thick		
<input type="checkbox"/> *One-year-old shoot: length of internode	long		
<input checked="" type="checkbox"/> One-year-old shoot: colour on sunny side	dark brown	medium brown	
<input type="checkbox"/> One-year-old shoot: pubescence	medium		
<input type="checkbox"/> *One-year-old shoot: number of lenticels	many		
<input type="checkbox"/> *Leaf blade: attitude in relation to shoot	outwards		
<input type="checkbox"/> *Leaf blade: length	long to very long		
<input type="checkbox"/> *Leaf blade: width	medium to broad		
<input type="checkbox"/> *Leaf blade: ratio length/width	large		
<input type="checkbox"/> Leaf blade: intensity of green colour	medium		
<input checked="" type="checkbox"/> Leaf blade: incisions of margin	bicrenate	crenate	
<input type="checkbox"/> Leaf blade: pubescence on lower side	absent or weak		
<input type="checkbox"/> *Petiole: length	medium to long		
<input type="checkbox"/> Petiole: extent of anthocyanin colouration from base	medium to large		
<input type="checkbox"/> *Flower: predominant colour at balloon stage	dark pink		
<input type="checkbox"/> *Flower: diameter with petals pressed into horizontal position	medium to large		
<input type="checkbox"/> *Flower: arrangement of petals	overlapping		
<input type="checkbox"/> Flower: position of stigmas relative to anthers	above		
<input checked="" type="checkbox"/> Young fruit: extent of anthocyanin overcolour	large	small	

<input type="checkbox"/> *Fruit: size	large	
<input type="checkbox"/> *Fruit: height	tall	
<input type="checkbox"/> *Fruit: diameter	medium to large	
<input type="checkbox"/> *Fruit: ratio height/diameter	large	
<input type="checkbox"/> *Fruit: general shape	cylindrical	
<input type="checkbox"/> Fruit: ribbing	moderate	
<input type="checkbox"/> Fruit: crowning at calyx end	moderate	
<input type="checkbox"/> *Fruit: size of eye	large	
<input type="checkbox"/> Fruit: length of sepal	long	
<input type="checkbox"/> *Fruit: bloom of skin	absent or weak	
<input type="checkbox"/> Fruit: greasiness of skin	moderate	
<input type="checkbox"/> *Fruit: ground colour	yellow	
<input type="checkbox"/> *Fruit: relative area of over colour	medium to large	
<input type="checkbox"/> *Fruit: hue of over colour with bloom removed	red	
<input type="checkbox"/> *Fruit: intensity of over colour	medium	
<input checked="" type="checkbox"/> *Fruit: pattern of over colour	solid flush with strongly defined stripes	only solid flush
<input type="checkbox"/> *Fruit: width of stripes	narrow	
<input type="checkbox"/> *Fruit: area of russet around stalk attachment	medium	
<input type="checkbox"/> Fruit: area of russet on cheeks	absent or small	
<input type="checkbox"/> *Fruit: area of russet around eye basin	absent or small	
<input type="checkbox"/> Fruit: number of lenticels	many	
<input type="checkbox"/> Fruit: size of lenticels	medium	
<input type="checkbox"/> *Fruit: length of stalk	long	
<input type="checkbox"/> *Fruit: thickness of stalk	medium to thick	
<input type="checkbox"/> *Fruit: depth of stalk cavity	medium to deep	
<input type="checkbox"/> *Fruit: width of stalk cavity	broad to very broad	
<input type="checkbox"/> *Fruit: depth of eye basin	deep	
<input type="checkbox"/> *Fruit: width of eye basin	broad to very broad	
<input type="checkbox"/> *Fruit: firmness of flesh	medium	



<input type="checkbox"/> *Fruit: colour of flesh	cream	
<input type="checkbox"/> *Fruit: aperture of locules	closed or slightly open	
<input type="checkbox"/> *Time of: beginning of flowering	medium to late	
<input type="checkbox"/> Time for: harvest	early to medium	
<input type="checkbox"/> *Time of: eating maturity	early to medium	

**Prior Applications and Sales:**

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
EU	2005	Granted	'Zari'
USA	2006	Granted	'Zari'
Ukraine	2009	Granted	'Zari'
South Africa	2010	Granted	'Zari'

First sold in Belgium on 19<sup>th</sup> January 2006

Description: **Garry Langford**, Grove, TAS

<b>Details of Application</b>	
<b>Application Number</b>	2011/311
<b>Variety Name</b>	'Zonga'
<b>Genus Species</b>	<i>Malus domestica</i>
<b>Common Name</b>	Apple
<b>Synonym</b>	N/A
<b>Accepted Date</b>	16 Jan 2012
<b>Applicant</b>	Better3fruit NV, Heverlee, Belgium
<b>Agent</b>	APFIP Limited, Grove, Tasmania
<b>Qualified Person</b>	Garry Langford
<b>Details of Comparative Trial</b>	
<b>Overseas Testing Authority</b>	CPVO
<b>Overseas Data Reference Number</b>	APF 290
<b>Location</b>	Hannover, Germany
<b>Descriptor</b>	TG14/9
<b>Period</b>	2008-2009
<b>Conditions</b>	
<b>Trial Design</b>	
<b>Measurements</b>	As per UPOV Technical guidelines
<b>RHS Chart - edition</b>	
<b>Origin and Breeding</b>	
Controlled pollination: The first observations were made in Fernelmont (Franc-Waret) Belgium in 1994. Subsequent observations were made in Rillaar and Gorsem, Belgium after 3 cycles of propagation. The key selection criteria were fruit quality, storability and shelf life. No off types have been observed. Breeder: Inge De Wit, Better3fruit NV, Heverlee, Belgium.	

<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Tree	type	ramified
Tree	habit	spreading
Fruit	relative area of over colour	small to medium
Fruit	hue of over colour - with bloom removed	red
Fruit	pattern of over colour	flushed, striped and mottled
Flowers	time of beginning of flowering	medium
Fruit	time of eating maturity	early
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		

Name	Comments
'Alkmene'	
'Initial'	

<b>Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.</b>			
<b>Organ/Plant Part: Context</b>	<b>'Zonga'</b>	<b>'Alkmene'</b>	<b>'Initial'</b>
<input type="checkbox"/> Tree: vigour	medium to strong		
<input type="checkbox"/> *Tree: type	ramified		
<input type="checkbox"/> *Tree: habit (varieties with ramified tree type only)	spreading		
<input type="checkbox"/> Tree: type of bearing	on long shoots only		
<input type="checkbox"/> One-year-old shoot: thickness	medium to thick		
<input checked="" type="checkbox"/> *One-year-old shoot: length of internode	medium to long	short	
<input checked="" type="checkbox"/> One-year-old shoot: colour on sunny side	light brown		dark brown
<input type="checkbox"/> One-year-old shoot: pubescence	medium to strong		
<input checked="" type="checkbox"/> *One-year-old shoot: number of lenticels	few to medium		medium to many
<input type="checkbox"/> *Leaf blade: attitude in relation to shoot	outwards		
<input checked="" type="checkbox"/> *Leaf blade: length	medium	short	long to very long
<input type="checkbox"/> *Leaf blade: width	medium to broad		
<input type="checkbox"/> *Leaf blade: ratio length/width	medium		
<input type="checkbox"/> Leaf blade: intensity of green colour	dark		
<input type="checkbox"/> Leaf blade: incisions of margin	serrate type 1		
<input type="checkbox"/> Leaf blade: pubescence on lower side	strong		
<input type="checkbox"/> *Petiole: length	short to medium		
<input type="checkbox"/> Petiole: extent of anthocyanin colouration from base	small to medium		
<input type="checkbox"/> *Flower: predominant colour at balloon stage	medium red		
<input checked="" type="checkbox"/> *Flower: diameter with petals pressed into horizontal position	large	small to medium	
<input type="checkbox"/> *Flower: arrangement of petals	overlapping		

<input type="checkbox"/> Flower: position of stigmas relative to anthers	below		
<input type="checkbox"/> Young fruit: extent of anthocyanin overcolour	small		
<input type="checkbox"/> *Fruit: size	medium		
<input type="checkbox"/> *Fruit: height	medium to tall		
<input type="checkbox"/> *Fruit: diameter	medium		
<input type="checkbox"/> *Fruit: ratio height/diameter	large		
<input type="checkbox"/> *Fruit: general shape	conic		
<input type="checkbox"/> Fruit: ribbing	moderate		
<input type="checkbox"/> Fruit: crowning at calyx end	moderate		
<input type="checkbox"/> *Fruit: size of eye	large		
<input type="checkbox"/> Fruit: length of sepal	long		
<input type="checkbox"/> *Fruit: bloom of skin	absent or weak		
<input type="checkbox"/> Fruit: greasiness of skin	moderate		
<input checked="" type="checkbox"/> *Fruit: ground colour	yellow green	yellow	
<input checked="" type="checkbox"/> *Fruit: relative area of over colour	small to medium		large
<input type="checkbox"/> *Fruit: hue of over colour with bloom removed	red		
<input type="checkbox"/> *Fruit: intensity of over colour	light to medium		
<input type="checkbox"/> *Fruit: pattern of over colour	flushed, striped and mottled		
<input type="checkbox"/> *Fruit: width of stripes	narrow		
<input type="checkbox"/> *Fruit: area of russet around stalk attachment	absent or small		
<input type="checkbox"/> Fruit: area of russet on cheeks	absent or small		
<input type="checkbox"/> *Fruit: area of russet around eye basin	absent or small		
<input type="checkbox"/> Fruit: number of lenticels	medium to many		
<input type="checkbox"/> Fruit: size of lenticels	small to medium		
<input type="checkbox"/> *Fruit: length of stalk	short to medium		
<input type="checkbox"/> *Fruit: thickness of stalk	medium to thick		
<input type="checkbox"/> *Fruit: depth of stalk cavity	medium to deep		
<input type="checkbox"/> *Fruit: width of stalk cavity	medium		
<input type="checkbox"/> *Fruit: depth of eye basin	shallow to medium		

<input type="checkbox"/> *Fruit: width of eye basin	medium to broad		
<input type="checkbox"/> *Fruit: firmness of flesh	soft		
<input type="checkbox"/> *Fruit: colour of flesh	cream		
<input type="checkbox"/> *Fruit: aperture of locules	moderately open		
<input type="checkbox"/> *Time of: beginning of flowering	medium		
<input type="checkbox"/> Time for: harvest	early		
<input type="checkbox"/> *Time of: eating maturity	early		

**Prior Applications and Sales:**

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
EU	2005	Granted	'Zonga'
South Africa	2010	Applied	'Zonga'

First sold in Belgium on 19<sup>th</sup> January 2006

Description: **Garry Langford**, Grove, Tasmania

<b>Details of Application</b>		
<b>Application Number</b>	2017/313	
<b>Variety Name</b>	'RDS'	
<b>Genus Species</b>	<i>Malus domestica</i>	
<b>Common Name</b>	Apple	
<b>Synonym</b>	RSD	
<b>Accepted Date</b>	18 Dec 2017	
<b>Applicant</b>	Green and Red Apple Pty Ltd, Oakbank, SA	
<b>Agent</b>	Fruit Varieties International Pty Ltd, Grove, Tasmania	
<b>Qualified Person</b>	Dr Gordon Brown	
<b>Details of Comparative Trial</b>		
<b>Location</b>	Grove, Tasmania, Australia	
<b>Descriptor</b>	TG14/9 Apple (Fruit Varieties)	
<b>Period</b>	2016, 2017 & 2018	
<b>Conditions</b>	Trees planted in a high density orchard managed with standard orchard management practices for nutrition, pest and disease control. Orchard surrounded by rabbit and possum proof fencing.	
<b>Trial Design</b>	RCBD with 12 replications of 2 tree plots.	
<b>Measurements</b>	All UPOV characters measured in detail on 4 replicates with other replicates being used to visually confirm uniformity. Where possible, physical measurements were taken as well as the UPOV note system.	
<b>RHS Chart - edition</b>	5th	
<b>Origin and Breeding</b>		
Spontaneous mutation: 'RDS' was first noticed as a limb mutation in a commercial orchard at Lenswood, South Australia, prior to harvest in 2013. Trees were propagated from this limb and these all produced highly coloured fruit similar to fruit true to type to the original limb mutation. The variety was then grown on to ensure uniformity and stability. Breeders: Ashley Charles Green & Brenton Christopher Darrell Green, Green and Red Apple Pty Ltd, Oakbank, SA		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Fruit	time for harvest	very late
Fruit	number of lenticels	few
Fruit	general shape	globose
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
'Cripps Red'	mother variety	

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

<b>Organ/Plant Part: Context</b>	<b>'RDS'</b>	<b>'Cripps Red'</b>
<input type="checkbox"/> Tree: vigour	medium	medium
<input type="checkbox"/> *Tree: type	ramified	ramified
<input type="checkbox"/> *Tree: habit (varieties with ramified tree type only)	spreading	spreading
<input type="checkbox"/> Tree: type of bearing	on spurs and long shoots	on spurs and long shoots
<input type="checkbox"/> One-year-old shoot: thickness	medium	thick
<input type="checkbox"/> *One-year-old shoot: length of internode	short to medium	short to medium
<input checked="" type="checkbox"/> One-year-old shoot: colour on sunny side	reddish brown	medium brown
<input type="checkbox"/> One-year-old shoot: pubescence	weak	weak
<input checked="" type="checkbox"/> *One-year-old shoot: number of lenticels	very few to few	medium
<input type="checkbox"/> *Leaf blade: attitude in relation to shoot	outwards	upwards
<input type="checkbox"/> *Leaf blade: length	short to medium	medium to long
<input type="checkbox"/> *Leaf blade: width	medium	medium
<input type="checkbox"/> *Leaf blade: ratio length/width	medium	medium to large
<input type="checkbox"/> Leaf blade: intensity of green colour	medium	medium to dark
<input type="checkbox"/> Leaf blade: incisions of margin	crenate	serrate type 1
<input type="checkbox"/> Leaf blade: pubescence on lower side	medium	medium
<input type="checkbox"/> *Petiole: length	medium	medium
<input checked="" type="checkbox"/> Petiole: extent of anthocyanin colouration from base	medium	medium to large
<input type="checkbox"/> *Flower: predominant colour at balloon stage	dark pink	dark pink
<input type="checkbox"/> *Flower: diameter with petals pressed into horizontal position	medium	medium
<input type="checkbox"/> *Flower: arrangement of petals	intermediate	intermediate
<input type="checkbox"/> Flower: position of stigmas relative to anthers	same level	same level
<input type="checkbox"/> Young fruit: extent of anthocyanin overcolour	large	medium to large
<input type="checkbox"/> *Fruit: size	small to medium	small to medium
<input type="checkbox"/> *Fruit: height	short to medium	short to medium
<input type="checkbox"/> *Fruit: diameter	medium	medium
<input type="checkbox"/> *Fruit: ratio height/diameter	medium	small to medium
<input type="checkbox"/> *Fruit: general shape	globose	globose
<input type="checkbox"/> Fruit: ribbing	absent or weak	absent or weak

<input type="checkbox"/>	Fruit: crowning at calyx end	absent or weak	absent or weak
<input type="checkbox"/>	*Fruit: size of eye	very small to small	medium
<input type="checkbox"/>	Fruit: length of sepal	medium	short to medium
<input type="checkbox"/>	*Fruit: bloom of skin	strong	moderate
<input type="checkbox"/>	Fruit: greasiness of skin	absent or weak	moderate
<input type="checkbox"/>	*Fruit: ground colour	whitish green	yellow green
<input checked="" type="checkbox"/>	*Fruit: relative area of over colour	very large	medium to large
<input type="checkbox"/>	*Fruit: hue of over colour – with bloom removed	purple red	red
<input checked="" type="checkbox"/>	*Fruit: intensity of over colour	very dark	medium to dark
<input type="checkbox"/>	*Fruit: pattern of over colour	solid flush with weakly defined stripes	only solid flush
<input checked="" type="checkbox"/>	*Fruit: width of stripes	very narrow to narrow	medium to broad
<input type="checkbox"/>	*Fruit: area of russet around stalk attachment	absent or small	absent or small
<input type="checkbox"/>	Fruit: area of russet on cheeks	absent or small	absent or small
<input type="checkbox"/>	*Fruit: area of russet around eye basin	absent or small	absent or small
<input type="checkbox"/>	Fruit: number of lenticels	few	many
<input type="checkbox"/>	Fruit: size of lenticels	small	medium to large
<input type="checkbox"/>	*Fruit: length of stalk	short	short to medium
<input type="checkbox"/>	*Fruit: thickness of stalk	medium	thin to medium
<input type="checkbox"/>	*Fruit: depth of stalk cavity	medium	medium to deep
<input type="checkbox"/>	*Fruit: width of stalk cavity	narrow	medium
<input type="checkbox"/>	*Fruit: depth of eye basin	shallow	medium
<input type="checkbox"/>	*Fruit: width of eye basin	narrow	medium to broad
<input type="checkbox"/>	*Fruit: firmness of flesh	firm to very firm	firm
<input type="checkbox"/>	*Fruit: colour of flesh	white	cream
<input type="checkbox"/>	*Fruit: aperture of locules	closed or slightly open	moderately open
<input type="checkbox"/>	*Time of: beginning of flowering	medium to late	early
<input type="checkbox"/>	Time for: harvest	very late	very late



<b>Statistical Table</b>		
<b>Organ/Plant Part: Context</b>		
<input checked="" type="checkbox"/> One-year-old shoot: number of lenticels		
Mean	78.60	95.00
Std. Deviation	7.80	3.00
Lsd/sig	10.20	P≤0.01
<input checked="" type="checkbox"/> Petiole: extent of anthocyanin (mm)		
Mean	21.90	4.40
Std. Deviation	4.60	0.70
Lsd/sig	4.50	P≤0.01
<input type="checkbox"/> Young fruit: over colour area (% area coverage)		
Mean	61.00	21.00
Std. Deviation	12.00	7.00
Lsd/sig	12.70	P≤0.01
<input checked="" type="checkbox"/> Fruit: over colour area (% area coverage)		
Mean	97.00	58.00
Std. Deviation	1.90	18.00
Lsd/sig	23.10	P≤0.01
<input checked="" type="checkbox"/> Fruit: hue of overcolour (hue angle measured with Minolta Chroma Meter)		
Mean	22.00	31.00
Std. Deviation	1.10	6.00
Lsd/sig	7.70	P≤0.01
<input checked="" type="checkbox"/> Fruit: intensity of overcolour (% light reflectance measured with a Minolta chroma meter)		
Mean	35.00	44.00
Std. Deviation	1.00	3.00
Lsd/sig	3.80	P≤0.01

### **Prior Applications and Sales:**

Nil

Description: **Dr Gordon Brown**, Allens Rivulet, Tasmania

<b>Details of Application</b>		
<b>Application Number</b>	2016/190	
<b>Variety Name</b>	'YCP'	
<b>Genus Species</b>	<i>Malus domestica</i>	
<b>Common Name</b>	Apple	
<b>Accepted Date</b>	19 Aug 2016	
<b>Applicant</b>	Maurice Silverstein, Bo Silverstein, Catherine Frederique Silverstein, Orrvale, VIC	
<b>Agent</b>	Fruit Varieties International Pty Ltd, Grove TAS	
<b>Qualified Person</b>	Gordon Brown	
<b>Details of Comparative Trial</b>		
<b>Location</b>	Grove, Tasmania, Australia	
<b>Descriptor</b>	14/9 Apple (Fruit Varieties) UPOV Code: MALUS_DOM	
<b>Period</b>	2016 – 2018	
<b>Conditions</b>	Trees planted in a high density orchard managed with standard orchard practices for nutrition, pest and disease control. Orchard surrounded by rabbit and possum proof fencing.	
<b>Trial Design</b>	RCBD with 12 replications of 2 tree plots. The trial contained 15 potential candidates and 8 potential varieties of common knowledge.	
<b>Measurements</b>	All UPOV characters measured in detail on 4 replicates with other replicates being used to visually confirm uniformity. Where possible, physical measurements were taken as well as the UPOV note system.	
<b>RHS Chart - edition</b>	5 <sup>th</sup>	
<b>Origin and Breeding</b>		
Spontaneous mutation: 'YCP' was first noticed as a limb mutation in 2009 on a 17 year old Cripps Pink tree growing on a 'MM106' rootstock. The mutant limb produced fruit with no red/pink colour on the fruit again when compared to the rest of the limb or tree. This lack of colour red/pink colour is very noticeable. The YCP fruit is very lime/green in colour with no red/pink blush at all present on any of the fruit. Fruit flavour and texture is similar to the parent. Graft wood was taken from this limb and has undergone multiplication and the colour characteristic has proved to be stable. Breeders: Maurice Silverstein, Bo Silverstein & Catherine Silverstein, Orrvale VIC		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Tree	type	ramified
Fruit	harvest date	very late
Fruit	general shape	cylindrical
Fruit	firmness of flesh	firm

<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>					
<b>Name</b>			<b>Comments</b>		
'Cripps Pink'			Source variety of YCP		
<b>Varieties of Common Knowledge identified and subsequently excluded</b>					
<b>Variety</b>	<b>Distinguishing Characteristics</b>		<b>State of Expression in Candidate Variety</b>	<b>State of Expression in Comparator Variety</b>	<b>Comments</b>
'Granny Smith'	flower	colour	white	dark pink	
'Golden Delicious'	fruit	time for harvest	very late	late	
'Golden Delicious'	shoot	colour on sunny side	greenish brown	medium brown	
'Golden Delicious'	leaf	intensity of green colour	dark	light	

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

<b>Organ/Plant Part: Context</b>	<b>'YCP'</b>	<b>'Cripps Pink'</b>
<input type="checkbox"/> Tree: vigour	strong	strong
<input type="checkbox"/> *Tree: type	ramified	ramified
<input type="checkbox"/> *Tree: habit (varieties with ramified tree type only)	spreading	upright
<input type="checkbox"/> Tree: type of bearing	on spurs and long shoots	on spurs and long shoots
<input type="checkbox"/> One-year-old shoot: thickness	thin to medium	medium
<input type="checkbox"/> *One-year-old shoot: length of internode	short to medium	medium
<input checked="" type="checkbox"/> One-year-old shoot: colour on sunny side	greenish brown	medium brown
<input type="checkbox"/> One-year-old shoot: pubescence	weak to medium	medium
<input type="checkbox"/> *One-year-old shoot: number of lenticels	medium to many	medium
<input type="checkbox"/> *Leaf blade: attitude in relation to shoot	outwards	outwards
<input type="checkbox"/> *Leaf blade: length	medium	medium to long
<input type="checkbox"/> *Leaf blade: width	medium	medium
<input type="checkbox"/> *Leaf blade: ratio length/width	very small to small	medium
<input type="checkbox"/> Leaf blade: intensity of green colour	dark	medium
<input type="checkbox"/> Leaf blade: incisions of margin	bicrenate	biserrate
<input type="checkbox"/> Leaf blade: pubescence on lower side	medium	medium
<input type="checkbox"/> *Petiole: length	short to medium	short
<input checked="" type="checkbox"/> Petiole: extent of anthocyanin colouration from base	very small	small to medium

<input type="checkbox"/>	*Flower: predominant colour at balloon stage	white	dark pink
<input type="checkbox"/>	*Flower: diameter with petals pressed into horizontal position	medium	medium
<input type="checkbox"/>	*Flower: arrangement of petals	intermediate	free
<input type="checkbox"/>	Flower: position of stigmas relative to anthers	same level	same level
<input type="checkbox"/>	Young fruit: extent of anthocyanin overcolour	absent or very small	small to medium
<input type="checkbox"/>	*Fruit: size	medium to large	medium
<input type="checkbox"/>	*Fruit: height	medium to tall	medium
<input type="checkbox"/>	*Fruit: diameter	medium	medium
<input type="checkbox"/>	*Fruit: ratio height/diameter	medium	small to medium
<input type="checkbox"/>	*Fruit: general shape	cylindrical	cylindrical
<input type="checkbox"/>	Fruit: ribbing	moderate	moderate
<input type="checkbox"/>	Fruit: crowning at calyx end	moderate	absent or weak
<input type="checkbox"/>	*Fruit: size of eye	small to medium	medium
<input type="checkbox"/>	Fruit: length of sepal	medium to long	medium
<input type="checkbox"/>	*Fruit: bloom of skin	moderate	absent or weak
<input type="checkbox"/>	Fruit: greasiness of skin	absent or weak	moderate
<input type="checkbox"/>	*Fruit: ground colour	green	yellow green
<input checked="" type="checkbox"/>	*Fruit: relative area of over colour	absent or very small	medium
<input type="checkbox"/>	*Fruit: area of russet around stalk attachment	absent or small	absent or small
<input type="checkbox"/>	Fruit: area of russet on cheeks	absent or small	absent or small
<input type="checkbox"/>	*Fruit: area of russet around eye basin	absent or small	absent or small
<input type="checkbox"/>	Fruit: number of lenticels	medium	many
<input type="checkbox"/>	Fruit: size of lenticels	small	small to medium
<input type="checkbox"/>	*Fruit: length of stalk	short to medium	medium
<input type="checkbox"/>	*Fruit: thickness of stalk	thin to medium	medium
<input type="checkbox"/>	*Fruit: depth of stalk cavity	medium	medium to deep
<input type="checkbox"/>	*Fruit: width of stalk cavity	medium	medium
<input type="checkbox"/>	*Fruit: depth of eye basin	medium	medium
<input checked="" type="checkbox"/>	*Fruit: width of eye basin	medium	broad
<input type="checkbox"/>	*Fruit: firmness of flesh	firm	firm

<input type="checkbox"/> *Fruit: colour of flesh	greenish	cream
<input type="checkbox"/> *Fruit: aperture of locules	moderately open	moderately open
<input type="checkbox"/> *Time of: beginning of flowering	medium to late	medium
<input type="checkbox"/> Time for: harvest	very late	very late
<input type="checkbox"/> *Time of: eating maturity	very late	very late

<b>Statistical Table</b>		
<b>Organ/Plant Part: Context</b>	<b>'YCP'</b>	<b>'Cripps Pink'</b>
<input type="checkbox"/> Young Fruit: extent of anthocyanin (% area coverage)		
Mean	0.00	17.00
Std. Deviation	0.00	7.70
LSD/sig	11.70	P≤0.01
<input checked="" type="checkbox"/> Fruit: over colour area (% area coverage)		
Mean	0.00	27.30
Std. Deviation	0.00	5.04
LSD/sig	8.80	P≤0.01
<input type="checkbox"/> Flower: colour (image analysis of % light reflectance)		
Mean	82.00	67.40
Std. Deviation	0.47	4.90
LSD/sig	4.00	P≤0.01
<input checked="" type="checkbox"/> Fruit: width of eye basin (mm)		
Mean	32.80	29.90
Std. Deviation	0.80	1.20
LSD/sig	1.70	P≤0.01
<input checked="" type="checkbox"/> Petiole: extent of anthocyanin (mm)		
Mean	0.00	9.30
Std. Deviation	0.00	3.20
LSD/sig	2.80	P≤0.01

### **Prior Applications and Sales:**

Nil

Description: **Dr Gordon Brown**, Allens Rivulet, TAS

<b>Details of Application</b>		
<b>Application Number</b>	2016/189	
<b>Variety Name</b>	'PE'	
<b>Genus Species</b>	<i>Malus domestica</i>	
<b>Common Name</b>	Apple	
<b>Accepted Date</b>	19 Aug 2016	
<b>Applicant</b>	Fruit Varieties International Pty Ltd, Grove, TAS	
<b>Agent</b>	Fruit Varieties International Pty Ltd, Grove, TAS	
<b>Qualified Person</b>	Dr Gordon Brown	
<b>Details of Comparative Trial</b>		
<b>Location</b>	Grove, Tasmania, Australia	
<b>Descriptor</b>	TG14/9 Apple (Fruit Varieties)	
<b>Period</b>	2016 – 2018	
<b>Conditions</b>	Trees planted in a high density orchard managed with standard orchard management practices for nutrition, pest and disease control. Orchard surrounded by rabbit and possum proof fencing.	
<b>Trial Design</b>	RCBD with 12 replications of 2 tree plots. The trial contained 15 potential candidates and 8 potential varieties of common knowledge.	
<b>Measurements</b>	All UPOV characters measured in detail on 4 replicates with other replicates being used to visually confirm uniformity. Where possible, physical measurements were taken as well as the UPOV note system.	
<b>RHS Chart - edition</b>	5 <sup>th</sup>	
<b>Origin and Breeding</b>		
Spontaneous Mutation: In late March 2013 a spur on a limb of a 'Cripps Pink' tree growing on 'M26' in the family orchard at Dover, Tasmania was noticed to developed very high levels of colour 8 to 10 weeks earlier compared to the rest of the tree. This high colour was more intense and deeper with a 100% over colour before typical maturity. Graft wood was taken from this limb and has undergone multiplication and the colour characteristic has proved to be stable. Breeder: Fruit Varieties International PTY LTD.		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Tree	type	ramified
Tree	vigour	strong
Time of	eating maturity	late to very late or very late
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
'Rosy Glow'		
'Lady in Red'		
'Early Cripps Pink'	colours early like PE	

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

<b>Organ/Plant Part: Context</b>	<b>'PE'</b>	<b>'Early Cripps Pink'</b>	<b>'Lady in Red'</b>	<b>'Rosy Glow'</b>
<input type="checkbox"/> Tree: vigour	strong	strong	strong	medium
<input type="checkbox"/> *Tree: type	ramified	ramified	ramified	ramified
<input type="checkbox"/> *Tree: habit (varieties with ramified tree type only)	spreading	spreading	upright	spreading
<input type="checkbox"/> Tree: type of bearing	on spurs and long shoots	on spurs and long shoots	on spurs and long shoots	on spurs and long shoots
<input type="checkbox"/> One-year-old shoot: thickness	thick	thin to medium	thin to medium	medium
<input type="checkbox"/> *One-year-old shoot: length of internode	short to medium	short to medium	short to medium	medium
<input type="checkbox"/> One-year-old shoot: colour on sunny side	reddish brown	medium brown	medium brown	greenish brown
<input type="checkbox"/> One-year-old shoot: pubescence	weak to medium	medium to strong	medium to strong	medium
<input checked="" type="checkbox"/> *One-year-old shoot: number of lenticels	medium	many	many	medium
<input type="checkbox"/> *Leaf blade: attitude in relation to shoot	outwards	outwards	outwards	upwards
<input type="checkbox"/> *Leaf blade: length	short to medium	medium	medium	medium
<input type="checkbox"/> *Leaf blade: width	narrow to medium	medium	medium	medium
<input type="checkbox"/> *Leaf blade: ratio length/width	very small to small	very small to small	very small to small	medium
<input type="checkbox"/> Leaf blade: intensity of green colour	medium to dark	dark	dark	dark
<input type="checkbox"/> Leaf blade: incisions of margin	serrate type 2	bicrenate	bicrenate	serrate type 2
<input type="checkbox"/> Leaf blade: pubescence on lower side	medium	medium	medium	medium
<input type="checkbox"/> *Petiole: length	short to medium	short to medium	short to medium	medium
<input checked="" type="checkbox"/> Petiole: extent of anthocyanin colouration from base	large to very large	small to medium	small to medium	medium
<input type="checkbox"/> *Flower: predominant colour at balloon stage	medium red	medium red	medium red	dark pink
<input type="checkbox"/> *Flower: diameter with petals pressed into horizontal position	medium	medium	medium	medium

<input type="checkbox"/> *Flower: arrangement of petals	intermediate	intermediate	intermediate	free
<input type="checkbox"/> Flower: position of stigmas relative to anthers	same level	same level	same level	same level
<input type="checkbox"/> Young fruit: extent of anthocyanin overcolour	large to very large	very small to small	very small to small	very small to small
<input type="checkbox"/> *Fruit: size	medium to large	medium to large	medium to large	medium to large
<input type="checkbox"/> *Fruit: height	medium to tall	medium to tall	medium to tall	medium to tall
<input type="checkbox"/> *Fruit: diameter	medium	medium	medium	medium
<input type="checkbox"/> *Fruit: ratio height/diameter	medium	medium	medium	small
<input type="checkbox"/> *Fruit: general shape	cylindrical	cylindrical	cylindrical	obloid
<input type="checkbox"/> Fruit: ribbing	moderate	moderate	moderate	moderate
<input type="checkbox"/> Fruit: crowning at calyx end	absent or weak	moderate	moderate	moderate
<input type="checkbox"/> *Fruit: size of eye	medium	medium	small to medium	small
<input type="checkbox"/> Fruit: length of sepal	Short	medium	short to medium	short
<input type="checkbox"/> *Fruit: bloom of skin	moderate	absent or weak	moderate	absent or weak
<input type="checkbox"/> Fruit: greasiness of skin	absent or weak	absent or weak	absent or weak	absent or weak
<input type="checkbox"/> *Fruit: ground colour	not visible	whitish green	green	yellow green
<input checked="" type="checkbox"/> *Fruit: relative area of over colour	large to very large	small to medium	medium to large	large
<input type="checkbox"/> *Fruit: hue of over colour – with bloom removed	purple red	pink red	pink red	pink red
<input checked="" type="checkbox"/> *Fruit: intensity of over colour	dark to very dark	light to medium	medium to dark	medium to dark
<input type="checkbox"/> *Fruit: pattern of over colour	solid flush with weakly defined stripes	solid flush with strongly defined stripes	solid flush with weakly defined stripes	flushed, striped and mottled
<input type="checkbox"/> *Fruit: width of stripes	very narrow	narrow to medium	narrow	narrow to medium
<input type="checkbox"/> *Fruit: area of russet around stalk attachment	absent or small	absent or small	absent or small	absent or small
<input type="checkbox"/> Fruit: area of russet on cheeks	absent or small	absent or small	absent or small	absent or small
<input type="checkbox"/> *Fruit: area of russet around eye basin	absent or small	absent or small	absent or small	absent or small



<input type="checkbox"/> Fruit: number of lenticels	medium to many	medium	medium to many	medium to many
<input type="checkbox"/> Fruit: size of lenticels	medium	small to medium	small	medium
<input type="checkbox"/> *Fruit: length of stalk	medium	short to medium	medium	short to medium
<input type="checkbox"/> *Fruit: thickness of stalk	thin to medium	thin to medium	thin to medium	thin to medium
<input type="checkbox"/> *Fruit: depth of stalk cavity	shallow to medium	medium	medium	shallow to medium
<input type="checkbox"/> *Fruit: width of stalk cavity	medium	narrow to medium	narrow to medium	narrow to medium
<input type="checkbox"/> *Fruit: depth of eye basin	shallow to medium	medium	medium	shallow to medium
<input type="checkbox"/> *Fruit: width of eye basin	narrow to medium	narrow to medium	narrow to medium	narrow to medium
<input type="checkbox"/> *Fruit: firmness of flesh	Firm	medium	firm	firm
<input type="checkbox"/> *Fruit: colour of flesh	greenish	greenish	greenish	white
<input type="checkbox"/> *Fruit: aperture of locules	moderately open	moderately open	moderately open	moderately open
<input type="checkbox"/> *Time of: beginning of flowering	medium	medium to late	medium to late	early
<input type="checkbox"/> Time for: harvest	very late	late to very late	very late	late to very late
<input type="checkbox"/> *Time of: eating maturity	very late	late to very late	very late	very late

### Statistical Table

Organ/Plant Part: Context	'PE'	'Early Cripps Pink'	'Lady in red'	'Rosy Glow'
<input checked="" type="checkbox"/> Shoot: number of lenticels per 100mm of stem				
Mean	98.00	133.00	144.00	151.00
Std. Deviation	10.20	10.70	17.50	10.20
LSD/sig	30.8	P<0.01	P<0.01	P<0.01
<input checked="" type="checkbox"/> Petiole: extent of anthocyanin (mm)				
Mean	1.74	1.05	1.00	1.09
Std. Deviation	0.01	0.00	0.01	0.00
LSD/sig	0.17	P<0.01	P<0.01	P<0.01
<input type="checkbox"/> Young fruit: extent of anthocyanin (% area coverage)				
Mean	28.60	4.40	3.90	5.00
Std. Deviation	4.10	6.10	2.70	3.70
LSD/sig	9.39	P<0.01	P<0.01	P<0.01
<input checked="" type="checkbox"/> Fruit: over colour area (% area coverage)				
Mean	97.60	35.70	67.80	72.30
Std. Deviation	1.08	8.70	3.80	5.04

LSD/sig	10.8	P≤0.01	P≤0.01	P≤0.01
☑ Fruit: intensity of overcolour (% light reflectance measured with a Minolta chroma meter)				
Mean	40.40	53.00	52.70	46.20
Std. Deviation	1.80	4.80	1.50	2.80
LSD/sig	5.7	P≤0.01	P≤0.01	P≤0.01

**Prior Applications and Sales:**

Nil

Description: **Dr Gordon Brown**, Allens Rivulet, TAS

<b>Details of Application</b>		
<b>Application Number</b>	2015/344	
<b>Variety Name</b>	'Roblex'	
<b>Genus Species</b>	<i>Rhododendron</i> hybrid	
<b>Common Name</b>	Azalea	
<b>Synonym</b>	Nil	
<b>Accepted Date</b>	18 Jan 2016	
<b>Applicant</b>	Flint Jerome Johnson, Loxley, AL, USA	
<b>Agent</b>	Ozbreed Pty Ltd, Clarendon, NSW	
<b>Qualified Person</b>	John Oates	
<b>Details of Comparative Trial</b>		
<b>Overseas Testing Authority</b>	United States Patent and Trademark Office (USPTO)	
<b>Overseas Data Reference Number</b>	PP25,073	
<b>Location</b>	Loxley, Alabama, USA	
<b>Descriptor</b>	UPOV Technical Guideline for <i>Rhododendron</i> (UPOV TG/42/6)	
<b>Period</b>	2010-2012	
<b>Conditions</b>	Plants grown outdoors in 3 gallon nursery containers under ambient conditions.	
<b>Measurements</b>	Observations were taken on approximately 3 year old plants. US Plant Patent description converted into standard UPOV description format using TG/42/6.	
<b>RHS Chart - edition</b>	5th Edition, 2001	
<b>Origin and Breeding</b>		
Spontaneous Mutation: In Feb 2002 a spontaneous branch mutation was observed on Azalea 'Conlep' (US PP12,133) in a commercial nursery at Loxley, Alabama, USA. After observation of the mutation for 12 months the breeder commenced propagation by vegetative cuttings in June 2003, naming the selection as 'Roblex'. The selection has been observed and propagated over at least five generations during which unique characteristics of 'Roblex' have been shown to be stable and reproduced true to type. Breeder: Flint Jerome Johnson, Mobile, Alabama, USA.		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Plant	persistence of leaves	evergreen
Corolla	colour	white
Plant	time of beginning of flowering	early
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
'Conlep'	parental variety	
'Robleg'		
'Roblev'		

<b>Varieties of Common Knowledge identified and subsequently excluded</b>				
<b>Variety</b>	<b>Distinguishing Characteristics</b>		<b>State of Expression in Candidate Variety</b>	<b>State of Expression in Comparator Variety</b>
'Conlep'	Corolla	colour	white	bi-colour pink

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

<b>Organ/Plant Part: Context</b>	<b>'Roblex'</b>	<b>'Robleg'</b>	<b>'Roblev'</b>
<input type="checkbox"/> *Plant: persistence of leaves	evergreen	evergreen	evergreen
<input type="checkbox"/> *Plant: growth habit	narrow brushy to medium brushy	medium bushy	broad bushy
<input type="checkbox"/> *Terminal inflorescence bud: shape	elliptic	elliptic to broad elliptic	elliptic
<input type="checkbox"/> Young leaf: bloom on upper side	medium to strong	medium	strong
<input type="checkbox"/> *Young leaf: anthocyanin colouration of upper side	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/> *Mature leaf: colour of upper side	dark green	yellow green	medium green
<input type="checkbox"/> *Mature leaf: colour of lower side	medium green	light green	medium green
<input type="checkbox"/> *Mature leaf: length including petiole	long	medium	medium to long
<input type="checkbox"/> *Mature leaf: width	medium to broad	medium	narrow to medium
<input type="checkbox"/> *Mature leaf: shape of blade	elliptic	elliptic	elliptic
<input type="checkbox"/> Mature leaf: glossiness of upper side	medium to strong	medium	medium to strong
<input type="checkbox"/> Inflorescence: number of flowers	medium to many	few	medium to many
<input type="checkbox"/> *Inflorescence: shape (varieties with more than 6 flowers per inflorescence only)	strongly domed	-	slightly domed
<input type="checkbox"/> Pedicel: length	medium	short to medium	short
<input type="checkbox"/> Pedicel: colour on sunny side	yellow green	yellow green	yellow green
<input type="checkbox"/> *Calyx: presence	present	present	present
<input type="checkbox"/> Calyx lobes: length of longest	medium to long	short to medium	short to medium
<input type="checkbox"/> *Flower: shape	open funnel-shaped	tubular funnel-shaped	ventricose funnel-shaped
<input type="checkbox"/> *Flower: diameter	medium to broad	broad	narrow to medium
<input type="checkbox"/> Flower: fragrance	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/> *Flower: type	single	single	single

<input type="checkbox"/> *Corolla lobes: undulation of margin	weak to medium	medium	medium to strong
<input type="checkbox"/> *Corolla lobe: colour of margin of upper side (RHS colour chart)	N155A	155D	155C
<input type="checkbox"/> *Corolla lobe: colour of middle of upper side (RHS colour chart)	N155A	155D	155C
<input type="checkbox"/> *Corolla lobe: colour of middle of lower side (RHS colour chart)	N155A/72B	155D	155C
<input type="checkbox"/> *Corolla lobe: conspicuousness of markings of the throat	absent or very weak	weak to medium	absent or very weak
<input type="checkbox"/> Anthers: colour	brown	brown	red
<input type="checkbox"/> Pistil: length in comparison with stamens	longer	longer	longer
<input checked="" type="checkbox"/> Pistil: colour of stigma	yellow	green	yellow
<input type="checkbox"/> *Time of: beginning of flowering	early	early	early

<b>Characteristics Additional to the Descriptor/TG</b>			
<b>Organ/Plant Part: Context</b>	<b>'Roblex'</b>	<b>'Robleg'</b>	<b>'Roblev'</b>
<input checked="" type="checkbox"/> Flowering: period	continuous	flushing	continuous
<input checked="" type="checkbox"/> Plant: height	tall	short	short
<input type="checkbox"/> Plant: width	medium-wide	medium	medium-wide
<input checked="" type="checkbox"/> Anther: colour	163A	167A	N167A

**Prior Applications and Sales:**

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
USA	2013	Granted	'Roblex'

First sold in the USA in May 2012.

Description: **John Oates**, VF Solutions, Merimbula, NSW.

<b>Details of Application</b>		
<b>Application Number</b>	2015/346	
<b>Variety Name</b>	'Roblez'	
<b>Genus Species</b>	<i>Rhododendron</i> hybrid	
<b>Common Name</b>	Azalea	
<b>Synonym</b>	Nil	
<b>Accepted Date</b>	04 Feb 2016	
<b>Applicant</b>	Robert Edward Lee, Loxley, Alabama, USA.	
<b>Agent</b>	Ozbreed Pty Ltd, Clarendon, NSW	
<b>Qualified Person</b>	John Oates	
<b>Details of Comparative Trial</b>		
<b>Overseas Testing Authority</b>	United States Patent and Trademark Office (USPTO)	
<b>Overseas Data Reference Number</b>	PP28,279	
<b>Location</b>	Loxley, Alabama, USA	
<b>Descriptor</b>	UPOV Technical Guideline for <i>Rhododendron</i> (UPOV TG/42/6)	
<b>Period</b>	2013-2014	
<b>Conditions</b>	Plants grown outdoors in 3 gallon nursery containers under ambient conditions.	
<b>Measurements</b>	Observations were taken on approximately 3 year old plants. US Plant Patent description converted into standard UPOV description format using TG/42/6.	
<b>RHS Chart - edition</b>	5th Edition 2011	
<b>Origin and Breeding</b>		
Controlled pollination: The maternal parent 'Red Slipper' was pollinated with the male parent 'Arabesk' in April/May 2006. From the resultant seedlings the selection, known as 'Roblez' was made. Selection criteria: flowering time: spring, summer, autumn; flower colour: clear red; growth habit: compact. Propagation with vegetative cuttings first commenced in summer of 2007 at Independence, Louisiana, USA. The selection has been observed and propagated over at least five generations during which unique characteristics of 'Roblez' have been shown to be stable and reproduced true to type. Breeder: Robert E. Lee, Loxley, Alabama, USA.		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Plant	persistence of leaves	evergreen
Corolla	colour	red
Plant	time of beginning of flowering	early
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
'Conlef'	US PP10,579	
'Conleb'	US PP10,581	

<b>Varieties of Common Knowledge identified and subsequently excluded</b>				
<b>Variety</b>	<b>Distinguishing Characteristics</b>		<b>State of Expression in Candidate Variety</b>	<b>State of Expression in Comparator Variety</b>
'Conler'	Flower	type	semi-double	double
'Pride of Dorking'	Pedice	length	short	very long
'Conlec'	Flower	number of colours	uni-coloured	multi-coloured
'Red Slipper'	Plant	height	short	medium
'Arabesk'	Plant	height	short	medium

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

<b>Organ/Plant Part: Context</b>	<b>'Roblez'</b>	<b>'Conleb'</b>	<b>'Conlef'</b>
<input type="checkbox"/> *Plant: persistence of leaves	evergreen	evergreen	evergreen
<input type="checkbox"/> *Plant: growth habit	broad bushy	broad bushy	medium bushy
<input type="checkbox"/> *Terminal inflorescence bud: shape	elliptic	elliptic	elliptic to broad elliptic
<input type="checkbox"/> Young leaf: bloom on upper side	medium	medium	medium
<input type="checkbox"/> *Young leaf: anthocyanin colouration of upper side	absent or very weak	very weak to weak	very weak to weak
<input type="checkbox"/> *Mature leaf: colour of upper side	yellow green	yellow green	yellow green
<input type="checkbox"/> *Mature leaf: colour of lower side	light green	light green	light green
<input checked="" type="checkbox"/> *Mature leaf: length including petiole	medium	medium to long	short to medium
<input type="checkbox"/> *Mature leaf: width	medium to broad	medium	medium
<input type="checkbox"/> *Mature leaf: shape of blade	elliptic	elliptic	elliptic
<input type="checkbox"/> Mature leaf: glossiness of upper side	weak to medium	weak	weak
<input type="checkbox"/> Inflorescence: number of flowers	medium	few	few
<input type="checkbox"/> Pedicel: length	medium	medium to long	medium
<input type="checkbox"/> Pedicel: colour on sunny side	red	red	red
<input type="checkbox"/> *Calyx: presence	present	present	present
<input type="checkbox"/> Calyx lobes: length of longest	medium	medium	medium
<input type="checkbox"/> *Flower: shape	open funnel-shaped	open funnel-shaped	funnel-shaped
<input type="checkbox"/> Flower: fragrance	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/> *Flower: type	semi-double	single to semi-double	single
<input type="checkbox"/> *Corolla lobes: undulation of margin	medium	medium	-

<input checked="" type="checkbox"/> *Corolla lobe: colour of margin of upper side (RHS colour chart)	N57C	44A	54A
<input checked="" type="checkbox"/> *Corolla lobe: colour of middle of upper side (RHS colour chart)	N57C	44A	54A
<input checked="" type="checkbox"/> *Corolla lobe: colour of middle of lower side (RHS colour chart)	64C	44A	54A
<input type="checkbox"/> *Corolla lobe: conspicuousness of markings of the throat	medium	medium to strong	medium to strong
<input type="checkbox"/> Corolla lobe: type of markings	blotches surrounded by spots	spots not touching each other	spots not touching each other
<input checked="" type="checkbox"/> Corolla lobe: colour of markings (RHS colour chart)	64A	53B	53B
<input checked="" type="checkbox"/> Anthers: colour	purple	red	red
<input type="checkbox"/> Pistil: length in comparison with stamens	longer	longer	longer
<input checked="" type="checkbox"/> Pistil: colour of stigma	purple	red	red
<input type="checkbox"/> *Time of: beginning of flowering	early	early	early

#### **Characteristics Additional to the Descriptor/TG**

<b>Organ/Plant Part: Context</b>	<b>'Roblez'</b>	<b>'Conleb'</b>	<b>'Conlef'</b>
<input checked="" type="checkbox"/> Flowering: period	continuous	flushing	flushing
<input checked="" type="checkbox"/> Plant: height	short	tall	tall
<input type="checkbox"/> Plant: width	medium	medium-wide	medium
<input checked="" type="checkbox"/> Anther: colour	59A	44A	46A

#### **Prior Applications and Sales**

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
USA	2015	Granted	'Roblez'

First sold in the USA in Jan 2015.

Description: **John Oates**, VF Solutions, Merimbula, NSW.



<b>Details of Application</b>		
<b>Application Number</b>	2015/349	
<b>Variety Name</b>	'Robleu'	
<b>Genus Species</b>	<i>Rhododendron</i> hybrid	
<b>Common Name</b>	Azalea	
<b>Synonym</b>	Nil	
<b>Accepted Date</b>	18 Jan 2016	
<b>Applicant</b>	Thomas Dennis Meadows, Jr. Loxley, Alabama, USA	
<b>Agent</b>	Ozbreed Pty Ltd, Clarendon, NSW	
<b>Qualified Person</b>	John Oates	
<b>Details of Comparative Trial</b>		
<b>Overseas Testing Authority</b>	United States Patent and Trademark Office (USPTO)	
<b>Overseas Data Reference Number</b>	PP25,074	
<b>Location</b>	Loxley, Alabama, USA	
<b>Descriptor</b>	UPOV Technical Guideline for <i>Rhododendron</i> (UPOV TG/42/6)	
<b>Period</b>	2011-2012	
<b>Conditions</b>	Plants grown outdoors in 3 gallon nursery containers under ambient conditions	
<b>Measurements</b>	Observations were taken on approximately 3 year old plants. US Plant Patent description converted into standard UPOV description format using TG/42/6.	
<b>RHS Chart - edition</b>	5th Edition 2011	
<b>Origin and Breeding</b>		
Spontaneous mutation: This new variety, hereinafter was discovered as a branch sport in April 2001 at a commercial nursery in Loxley , Alabama, USA. The parent variety producing this naturally occurring mutation is <i>Rhododendron</i> 'Conlee'. After identifying the new variety as a potentially interesting selection, the inventor first organised propagation of 'Robleu' by vegetative cuttings on Jun. 12, 2001 at the same commercial nursery. The inventor continued controlled testing and propagation, assessing stability of the unique characteristics of this variety. Multiple generations have been reproduced and have shown that the unique features of this cultivar are stable and reproduced true to type. Breeder: Thomas Dennis Meadows, Jr., Daphne, Alabama, USA		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Plant	persistence of leaves	evergreen
Corolla lobe	colour of middle of upper side	red-purple
Plant	time of beginning of flowering	early

<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>				
Name		Comments		
'Conles'				
'Conlet'				
<b>Varieties of Common Knowledge identified and subsequently excluded</b>				
Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety
'Pride of Dorking'	Pedicel	length	short	very long
'Pride of Dorking'	Plant	time of beginning of flowering	early	medium
'Conler'	Flower	type	single	double
'Conlee'	Corolla lobe	colour of middle of lower side	RHS 64C	RHS 71D

**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	'Robleu'	'Conles'	'Conlet'
<input type="checkbox"/> *Plant: persistence of leaves	evergreen	evergreen	evergreen
<input type="checkbox"/> *Plant: growth habit	medium bushy	narrow brushy to medium brushy	medium brushy to broad brushy
<input type="checkbox"/> *Terminal inflorescence bud: shape	broad elliptic	broad elliptic	broad elliptic
<input type="checkbox"/> Young leaf: bloom on upper side	weak	weak	weak
<input type="checkbox"/> *Young leaf: anthocyanin colouration of upper side	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/> *Mature leaf: colour of upper side	medium green	dark green	dark green
<input type="checkbox"/> *Mature leaf: colour of lower side	medium green	medium green	medium green
<input checked="" type="checkbox"/> *Mature leaf: length including petiole	medium to long	short to medium	medium
<input type="checkbox"/> *Mature leaf: width	medium	narrow to medium	medium
<input type="checkbox"/> *Mature leaf: shape of blade	elliptic	elliptic	elliptic
<input type="checkbox"/> Mature leaf: glossiness of upper side	weak	weak	weak
<input checked="" type="checkbox"/> Inflorescence: number of flowers	medium	few	few to medium

<input checked="" type="checkbox"/>	Pedicele: length	short	medium to long	medium
<input type="checkbox"/>	Pedicele: colour on sunny side	red	red	red
<input type="checkbox"/>	*Calyx: presence	present	present	present
<input type="checkbox"/>	Calyx lobes: length of longest	medium	medium	short to medium
<input type="checkbox"/>	*Flower: shape	open funnel-shaped	open funnel-shaped	open funnel-shaped
<input checked="" type="checkbox"/>	*Flower: diameter	narrow to medium	medium to broad	narrow to medium
<input type="checkbox"/>	Flower: fragrance	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/>	*Flower: type	single	single	single
<input type="checkbox"/>	*Corolla lobes: undulation of margin	very weak to weak	weak	very weak to weak
<input type="checkbox"/>	*Corolla lobe: colour of margin of upper side (RHS colour chart)	N57C	68B	57D
<input type="checkbox"/>	*Corolla lobe: colour of middle of upper side (RHS colour chart)	N57C	68B	57D
<input checked="" type="checkbox"/>	*Corolla lobe: colour of middle of lower side (RHS colour chart)	64C	68B	57D
<input checked="" type="checkbox"/>	*Corolla lobe: conspicuousness of markings of the throat	weak to medium	strong	strong
<input checked="" type="checkbox"/>	Corolla lobe: type of markings	blotches surrounded by spots	spots not touching each other	spots not touching each other
<input type="checkbox"/>	Corolla lobe: colour of markings (RHS colour chart)	64A	53B	53B
<input checked="" type="checkbox"/>	Anthers: colour	purple	red	purple
<input type="checkbox"/>	Pistil: length in comparison with stamens	longer	longer	longer
<input checked="" type="checkbox"/>	Pistil: colour of stigma	red	red	purple
<input type="checkbox"/>	*Time of: beginning of flowering	early	early	early

**Characteristics Additional to the Descriptor/TG**

Organ/Plant Part: Context	'Robleu'	'Conles'	'Conlet'
<input type="checkbox"/> Flowering: period	continuous	continuous	continuous

<input checked="" type="checkbox"/> Plant: height	short	tall	short
<input type="checkbox"/> Plant: width	medium	medium	-
<input type="checkbox"/> Anther: colour	187A	59A	59A

**Prior Applications and Sales**

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
USA	2013	Granted	'Robleu'

First sold in the USA in May 2012.

Description: **John Oates**, VF Solutions, Merimbula, NSW.

<b>Details of Application</b>		
<b>Application Number</b>	2016/277	
<b>Variety Name</b>	'FLF-1'	
<b>Genus Species</b>	<i>Musa</i> hybrid	
<b>Common Name</b>	Banana	
<b>Accepted Date</b>	02 Nov 2016	
<b>Applicant</b>	David Peasley, Farrants Hill, NSW	
<b>Qualified Person</b>	Ian Paananen	
<b>Details of Comparative Trial</b>		
<b>Location</b>	Duranbah, NSW	
<b>Descriptor</b>	TG/123/4	
<b>Period</b>	September 2016-September 2017	
<b>Conditions</b>	Trial conducted in standard commercial field production conditions within a trial block.	
<b>Trial Design</b>	12 plants per variety randomly blocked in standard commercial beds	
<b>Measurements</b>	Randomly observed from mature plants.	
<b>RHS Chart - edition</b>	2015	
<b>Origin and Breeding</b>		
<p>Spontaneous mutation: parent a 'Lady Finger' type in 2011 in Currumbin Valley, QLD. The parent is characterised by weak resistance to Panama Disease Race 1, productivity of approximately 25t/Ha/yr and approximately 493 days to harvest. November 2010: identification of a mutation in a field plantation of 'Lady Finger' type and subsequent DEEDI inspections, certification and then collection for micro-propagation and virus testing. September 2011: field evaluation with Banana Plant Protection Program commenced. February 2012 - present: field trials at Duranbah, NSW including evaluation for <i>Fusarium oxysporum cubense</i> (FOC) Race 1 showing 100% resistance with the selection named 'FLF-1'. Also documented other production and commercial traits. 2012-present: Confirmation of traits, vegetative propagation and subsequent testing of traits and confirmation of DUS in field conditions. Selection criteria: strong resistance to Panama Disease Race 1, strong plant vigour, large bunch size, good eating quality. Propagation: vegetative propagation by micro-propagation was found to be uniform and stable. Breeder: David Peasley, Farrants Hill, NSW.</p>		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Leaf blade	length	long to very long
Peduncle	diameter	large
Bunch	diameter	medium
Fruit	longitudinal ridges	moderate
Fruit	colour of peel	medium yellow
Fruit	firmness of flesh	medium

<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>						
Name			Comments			
‘Lady Finger’						
<b>Varieties of Common Knowledge identified and subsequently excluded</b>						
Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments	
‘FHIA-18’	Fruit	length	medium	long		
‘FHIA-18’	Pseudostem	tapering	medium	strong		
‘FHIA-18’	Bunch	length	medium to long	long to very long		
‘FHIA-18’	Timing	no. days to bunching	395	412		
‘FHIA-18’	Timing	no. of days to harvest	603	573		
‘FHIA-18’	Male inflorescence	shape	narrow ovate	broad ovate		

**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	‘FLF-1’	‘Lady Finger’
<input type="checkbox"/> *Ploidy:	tetraploid	triploid
<input type="checkbox"/> Rhizome: number of suckers above ground	few	few to medium
<input type="checkbox"/> *Pseudostem: length	long to very long	long
<input type="checkbox"/> *Pseudostem: diameter	large to very large	large
<input checked="" type="checkbox"/> Pseudostem: tapering	medium	strong
<input type="checkbox"/> Pseudostem: colour	greenish yellow	greenish yellow
<input type="checkbox"/> Pseudostem: anthocyanin colouration	weak	very weak to weak
<input type="checkbox"/> Pseudostem: colour of inner side of basal sheath	red	red
<input checked="" type="checkbox"/> Plant: compactness of crown	medium to compact	loose
<input checked="" type="checkbox"/> *Plant: growth habit	drooping	upright
<input type="checkbox"/> Petiole: attitude of wings at base	curved outwards	curved outwards
<input type="checkbox"/> *Petiole: length	long to very long	long
<input type="checkbox"/> *Leaf blade: colour of midrib on lower side	green	green
<input type="checkbox"/> *Leaf blade: shape of base	both sides rounded	both sides rounded
<input type="checkbox"/> Leaf blade: waxiness on lower side	strong	strong
<input type="checkbox"/> Leaf blade: length	long to very long	long to very long
<input type="checkbox"/> Leaf blade: width	broad	medium to broad

<input type="checkbox"/>	Leaf blade: ratio length/width	moderately elongated	moderately elongated
<input type="checkbox"/>	*Leaf blade: glossiness of upper side	present	present
<input checked="" type="checkbox"/>	Peduncle: length	long	medium
<input type="checkbox"/>	Peduncle: diameter	large	large
<input type="checkbox"/>	*Peduncle: pubescence	present	present
<input checked="" type="checkbox"/>	Peduncle: curvature	very strong	medium
<input checked="" type="checkbox"/>	*Bunch: length	medium to long	short to medium
<input type="checkbox"/>	*Bunch: diameter	medium	medium
<input checked="" type="checkbox"/>	Bunch: shape	cylindrical	conical
<input type="checkbox"/>	*Bunch: attitude of fruits	horizontal to slightly turned up	horizontal to slightly turned up
<input type="checkbox"/>	Bunch: compactness	compact	compact
<input checked="" type="checkbox"/>	*Bunch: number of hands	many to very many	medium to many
<input type="checkbox"/>	*Fruit: curvature	straight	evenly curved
<input type="checkbox"/>	*Fruit: longitudinal ridges	moderate	moderate
<input checked="" type="checkbox"/>	*Fruit: length	medium	short
<input checked="" type="checkbox"/>	*Fruit: width (excluding ridges)	medium to broad	narrow to medium
<input type="checkbox"/>	Fruit: length of pedicel	medium	medium
<input checked="" type="checkbox"/>	*Fruit: shape of apex	truncate	bottle-necked
<input type="checkbox"/>	*Fruit: thickness of peel	medium	medium
<input type="checkbox"/>	*Fruit: colour of peel (before maturity)	medium green	medium green
<input type="checkbox"/>	*Fruit: colour of peel	medium yellow	medium yellow
<input type="checkbox"/>	Fruit: adherence of peel	very weak to weak	very weak to weak
<input type="checkbox"/>	Fruit: persistence of floral organs	absent	absent
<input type="checkbox"/>	*Fruit: colour of flesh	white	whitish
<input type="checkbox"/>	*Fruit: firmness of flesh	medium	medium
<input type="checkbox"/>	*Male inflorescence: persistence	absent	absent

### **Prior Applications and Sales:**

Nil

Description: **Ian Paananen**, Macmasters Beach, NSW

<b>Details of Application</b>	
<b>Application Number</b>	2017/269
<b>Variety Name</b>	'C08-141'
<b>Genus Species</b>	<i>Vaccinium corymbosum</i> hybrid
<b>Common Name</b>	Blueberry
<b>Synonym</b>	Corindi Verdure
<b>Accepted Date</b>	03 Oct 2017
<b>Applicant</b>	Costa Exchange Pty Ltd, Corindi Beach, NSW & Florida Foundation Seed Producers Inc, Marianna, Florida, USA
<b>Qualified Person</b>	Jessica Scalzo
<b>Details of Comparative Trial</b>	
<b>Location</b>	Corindi Beach, NSW
<b>Descriptor</b>	TG/137/4 Blueberry
<b>Period</b>	2015-2018
<b>Conditions</b>	Trial conducted in standard commercial field production conditions, plants propagated from cuttings, planted into field from 125mm pots. The distance between the plants within the row was 0.9m. The distance between the rows was 2.5m.
<b>Trial Design</b>	plants of C08-141 grow in a randomized block design along with comparator varieties ('Snowchaser', 'Star', 'C99-042', 'C97-390' and 'Emerald'. Data was collected from 6 plants of C08-141 and 6 plants for each of the comparator varieties
<b>Measurements</b>	measurements taken from 6 plants: plant yield; fruit weight, fruit diameter, soluble solid content of the fruit, titratable acidity of the fruit, fruit firmness, leaf length and leaf width.
<b>RHS Chart - edition</b>	5 <sup>th</sup>
<b>Origin and Breeding</b>	
<p>Controlled Pollination: The new variety 'C08-141' was originated from a cross of 'FL00-057' (seed parent) and the variety known as 'C99-042' in 2006 in Florida, USA. The pollen parent is characterized by an early to mid-season timing of fruit ripening, it is evergreen, its fruit is of high firmness. The new blueberry variety resulted from seedlings produced in a controlled breeding program. The cross was made in 2006 in Florida, USA and the seed was sown and grown on in Corindi Beach, NSW, Australia. The new variety was selected in 2008 as a single plant within a population of seedlings, growing on land at Corindi Beach and has since been named 'C08-141'. The seedling population was planted in an experimental block in the field at Corindi Beach, NSW, Australia and the selection of the new variety took place in the same block. Selection criteria were a combination of early to mid-season, low chilling requirement, strong vigour, non-deciduous type of plant (evergreen), large fruit size, good fruit flavor and firm fruit. Since then plants of 'C08-141' were propagated by cuttings for further evaluation and resulted to be uniform and stable. Asexual reproduction of the new variety 'C08-141' by cutting propagation since 2008 at Corindi Beach, NSW, Australia has demonstrated that the new variety reproduces true to type plants. The new variety was subsequently evaluated for a number of years at the commercial farm at Corindi Beach, NSW, Australia. Breeder: Costa Exchange Pty Ltd, Corindi Beach NSW</p>	



<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Leaf	margins	entire
Leaf	colour upper side	green
Corolla	shape	urceolate
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
‘Star’		
‘Emerald’		
‘Snowchaser’		
‘C99-042’		
‘C97-390’		

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

<b>Organ/Plant Part: Context</b>	<b>‘C08-141’</b>	<b>‘C97-390’</b>	<b>‘C99-42’</b>	<b>‘Emerald’</b>	<b>‘Snowchaser’</b>	<b>‘Star’</b>
<input checked="" type="checkbox"/> *Plant: vigour	strong	very weak to weak	weak to medium	strong	medium	medium
<input type="checkbox"/> *Plant: growth habit	semi-upright	semi-upright	semi-upright to intermediate	bushy to spreading	semi upright	upright
<input type="checkbox"/> One-year-old shoot: colour	greenish red	green	green	green	green	green
<input type="checkbox"/> One-year-old shoot: length of internode	short	short	very short to short	medium	short	medium to long
<input checked="" type="checkbox"/> *Leaf: length	short	medium	very short to short	long	long	medium
<input checked="" type="checkbox"/> Leaf: width	narrow	medium	very narrow to narrow	broad to very broad	broad	narrow
<input type="checkbox"/> *Leaf: shape	lanceolate	elliptic	lanceolate	elliptic	elliptic	elliptic
<input type="checkbox"/> Leaf: colour of upper side	green	green	green	green	green	green
<input type="checkbox"/> *Leaf: intensity of green colour on upper side (varieties with green leaf colour only)	dark	medium to dark	dark	medium	medium	medium
<input type="checkbox"/> *Leaf: margin	entire	entire	entire	entire	entire	entire
<input type="checkbox"/> Flower bud: anthocyanin colouration	weak	medium	very weak	very weak	strong	weak

<input type="checkbox"/> Inflorescence: length	short	short	very short to short	short	short	medium to long
<input type="checkbox"/> Flower: shape of corolla	urceolate	urceolate	urceolate	urceolate	urceolate	urceolate
<input type="checkbox"/> *Flower: size of corolla tube	small to medium	small to medium	small	medium	medium	medium
<input type="checkbox"/> *Flower: anthocyanin colouration of corolla tube	weak	very weak to weak	very weak to weak	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/> Flower: ridges on corolla tube	present	present	present	present	present	present
<input type="checkbox"/> Fruit cluster: density	sparse	medium	sparse	dense	medium	medium
<input type="checkbox"/> *Unripe fruit: intensity of green colour	light	light to medium	light	medium	light	light
<input checked="" type="checkbox"/> *Fruit: size	large	medium	medium	large to very large	medium to large	large
<input type="checkbox"/> *Fruit: shape in longitudinal section	oblate	oblate	oblate	oblate	round	round
<input type="checkbox"/> Fruit: attitude of sepals	semi-erect	erect	semi-erect	erect	erect	erect
<input type="checkbox"/> Fruit: type of sepals	incurving	straight	incurving	straight	straight	straight
<input type="checkbox"/> Fruit: diameter of calyx basin	medium	small to medium	medium	large to very large	large	large to very large
<input type="checkbox"/> Fruit: depth of calyx basin	medium	medium	deep	deep	shallow	shallow
<input type="checkbox"/> *Fruit: intensity of bloom	strong	strong	strong	strong	strong	strong
<input type="checkbox"/> *Fruit: colour of skin	dark blue	dark blue	dark blue	dark blue	dark blue	dark blue
<input type="checkbox"/> Fruit: firmness	firm	soft	firm to very firm	medium	firm	firm
<input checked="" type="checkbox"/> *Fruit: sweetness	low	low to medium	low	weak to medium	medium to high	low to medium
<input type="checkbox"/> *Fruit: acidity	medium to high	low	high	weak to medium	medium	medium
<input type="checkbox"/> *Plant: fruiting type	on one-year-old and current season's shoots	on one-year-old and current season's shoots	on one-year-old and current season's shoots	on one-year-old shoots only	on one-year-old and current season's shoots	on one-year-old shoots only
<input type="checkbox"/> *Time of: vegetative bud burst	early	early	early	medium	early	medium to late
<input type="checkbox"/> *Time of: beginning of flowering on one-year-old	early to medium	early	early to medium	early to medium	very early to early	medium

shoot						
<input type="checkbox"/> *Time of: beginning of flowering on current year's shoot (varieties which fruit on one-year-old and current season's shoots only)	early to medium	early	early to medium	early to medium	very early	early to medium
<input type="checkbox"/> *Time of: beginning of fruit ripening on one-year-old shoot	early to medium	early	early to medium	medium to late	very early	medium to late
<input type="checkbox"/> *Time of: beginning of fruit ripening on current year's shoot (varieties which fruit on one-year-old and current season's shoots)	early to medium	early	early to medium	medium	very early	early to medium

**Prior Applications and Sales:**

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
USA	2017	Pending	'C08-141'

Description: **Jessica Scalzo**, Corindi Beach, NSW

<b>Details of Application</b>	
<b>Application Number</b>	2016/364
<b>Variety Name</b>	'LMZ-020'
<b>Genus Species</b>	<i>Stenotaphrum secundatum</i>
<b>Common Name</b>	Buffalo Grass
<b>Accepted Date</b>	09 Jan 2017
<b>Applicant</b>	GeneGro Pty Ltd, Alexandra Hills, QLD
<b>Qualified Person</b>	Dr Donald S. Loch
<b>Details of Comparative Trial</b>	
<b>Location</b>	Birkdale, QLD, Australia (Latitude 27°30'S, longitude 153°14'E, elevation 18 masl)
<b>Descriptor</b>	PBR BUFF
<b>Period</b>	9 Oct 2016 – 6 Aug 2017
<b>Conditions</b>	Nodal cuttings planted into 5 x 5 cm forestry tubes 12 cm deep (4 cuttings per tube) on 9 Oct 2016 and planted into a red volcanic (krasnozem or ferrosol) soil on 2 Nov 2016; weed control by pendimethalin (Rifle 440) applied at planting and sprayed with 2,4-D for broadleaf weeds on 7 Jan 2017; 313 kg/ha of blended fertiliser (N:P:K:S = 15.1:4.4:11.5:13.6) applied on 2 Nov 2016 to give 100 kg N, 29 kg P, 76 kg K, and 90 kg S per hectare; re-applied fertiliser at half rates on 11 Jan 2017; supplementary trickle irrigation applied as required to maintain unstressed growth.
<b>Trial Design</b>	30 plants of each of 2 cultivars ('LMZ-020', 'GR28') arranged in 10 randomised blocks with 3 plants per plot in a single row along a trickle irrigation line; 1.0 m between plants in the planted row; 1.5 m between trickle irrigation lines.
<b>Measurements</b>	Maximum lateral spread of each plant measured on 9 Jan 2017 (68 days after planting). Stolon characteristics measured from the 4th visible node and internode on 9-10 Jan 2017, with vegetative tiller attributes taken during 7-13 Mar 2017 (both cultivars); fertile tiller data recorded on 5 Apr 2017 ('GR28') and 6 Aug 2017 ('LMZ-020'). Analyses of variance (ANOVAs) conducted with Genstat Release 12; differences significant at the 1% level quantified using Fisher's protected LSDs.
<b>RHS Chart - edition</b>	5th edition
<b>Origin and Breeding</b>	
LMZ-020' was discovered in 2011 growing as a contaminant plant among Rhodes grass ( <i>Chloris gayana</i> ) in a hydroponic salinity tolerance experiment at Birkdale (QLD). It was notable that this plant maintained healthy growth over a 12-week period in a salinity treatment of 16 dS/m, appreciably higher than the salinity tolerance previously shown by nine <i>Stenotaphrum secundatum</i> cultivars in comparable hydroponic experiments reported by Loch et al. (2006). Its high turf quality, dark green colour, thin stolons, and superior winter colour retention have subsequently been demonstrated in field trials in Windsor (NSW), Gleneagle (QLD) and Birkdale from 2014 onwards. Breeders: Margaret Zorin & Donald S. Loch	

(GeneGro Pty Ltd, QLD).					
Loch, D.S., Poulter, R.E., Roche, M.B., Carson, C.J., Lees, T.W., O'Brien, L. and Durant, C.R. (2006). TU02005: Amenity Grasses for Salt Affected Parks in Coastal Australia. Final Project Report for Horticulture Australia Ltd. 93 pp.					
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge					
<b>Organ/Plant Part</b>		<b>Context</b>		<b>State of Expression in Group of Varieties</b>	
Inflorescence		stigma colour		red-purple	
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>					
<b>Name</b>		<b>Comments</b>			
'GR28'		application no. 2014/200; granted 07 Apr 2016			
<b>Varieties of Common Knowledge identified and subsequently excluded</b>					
<b>Variety</b>	<b>Distinguishing Characteristics</b>		<b>State of Expression in Candidate Variety</b>	<b>State of Expression in Comparator Variety</b>	<b>Comments</b>
'Sir Walter'	Stolon	internode diameter	narrow to medium	thick	Application No. 1996/226; granted 27 Mar 1998; expired
'B12'	Stolon	internode diameter	narrow to medium	thick	Application No. 2002/342; granted 01 Sep 2003
'Kings Pride'	Stolon	internode diameter	narrow to medium	thick	Application No. 2005/341; granted 20 Dec 2007
'Matilda'	Stolon	internode diameter	narrow to medium	thick	Application No. 2004/078; granted 22 Nov 2005
'Ned Kelly'	Stolon	internode diameter	narrow to medium	thick	Application No. 2005/298; granted 19 Feb 2007
'Kakadu'	Stolon	internode diameter	narrow to medium	medium-thick	Application No. 2009/311; granted 22 Sep 2011
'TBLL'	Stolon	internode diameter	narrow to medium	thick	Application No. 2004/078; granted 22 Nov 2005
'Green Desire'	Stolon	internode diameter	narrow to medium	thick	Application No. 2015/128; granted 12 Dec 2016
'Noble Green'	Stolon	internode diameter	narrow to medium	thick	Application No. 2014/199; granted 03 Mar 2016
'SS-100'	Stolon	internode diameter	narrow to medium	thick	Application No. 1996/158; granted

					02 May 2002
'SS-100'	Inflorescence	stigma colour	red-purple	white	
'PAL42'	Stolon	internode diameter	narrow to medium	thick	Application No. 2013/299; granted 14 Aug 2014
'PAL42'	Inflorescence	stigma colour	red-purple	white	
'ST-85'	Stolon	internode diameter	narrow to medium	thin	Dwarf variety; Australian Patent No. 643567; filed 07 Nov 1991; expired

**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	'LMZ-020'	'GR28'
<input checked="" type="checkbox"/> Plant: height	short to medium	tall to very tall
<input checked="" type="checkbox"/> Plant: width	narrow to medium	broad to very broad
<input checked="" type="checkbox"/> Plant: density	dense	very dense
<input type="checkbox"/> Stolon: nodes	compound	compound
<input type="checkbox"/> Stolon: number of subtending leaves (compound nodes only)	two	two
<input type="checkbox"/> Stolon: number of branches	medium	medium
<input checked="" type="checkbox"/> Stolon: length of internode	short to medium	long
<input checked="" type="checkbox"/> Stolon: width of internode	narrow to medium	broad
<input type="checkbox"/> Stolon: colour (where exposed to sun)	187B	187A
<input type="checkbox"/> Stolon: anthocyanin coloration of leaf sheath	absent or very weak	absent or very weak
<input type="checkbox"/> Stolon: length of outer (shorter) leaf sheath	medium	medium to long
<input type="checkbox"/> Stolon: length of leaf blade	medium	medium
<input type="checkbox"/> Stolon: width of leaf blade	medium	medium
<input type="checkbox"/> Stolon: leaf blade shape	linear-triangular	linear-triangular
<input type="checkbox"/> Stolon: presence of hairs leaf sheath	absent	absent
<input checked="" type="checkbox"/> Culm: length	short to medium	long
<input checked="" type="checkbox"/> Culm: internode length	short to medium	long
<input checked="" type="checkbox"/> Culm: internode width	narrow	broad
<input type="checkbox"/> Culm: node pubescence	absent	absent

<input type="checkbox"/>	Culm: stem pubescence	absent	absent
<input checked="" type="checkbox"/>	Culm: flag leaf sheath length	short to medium	long
<input checked="" type="checkbox"/>	Culm : flag leaf blade length	medium to long	short
<input checked="" type="checkbox"/>	Culm: flag leaf blade width	narrow to medium	medium to broad
<input type="checkbox"/>	Culm: flag leaf blade shape	linear	linear triangular
<input checked="" type="checkbox"/>	Culm: leaf sheath length (3rd leaf fertile tiller)	short to medium	medium to long
<input type="checkbox"/>	Culm: leaf blade length (3rd leaf fertile tiller)	medium	medium
<input checked="" type="checkbox"/>	Culm: leaf blade width (3rd leaf fertile tiller)	narrow to medium	broad
<input type="checkbox"/>	Culm: leaf sheath length (vegetative tiller)	medium	medium
<input checked="" type="checkbox"/>	Culm: leaf blade length (vegetative tiller)	long	medium
<input checked="" type="checkbox"/>	Culm: leaf blade width (vegetative tiller)	medium	broad
<input type="checkbox"/>	Culm: leaf blade shape	linear	linear
<input checked="" type="checkbox"/>	Leaf: colour (RHS)	137B	143A
<input type="checkbox"/>	Leaf: presence of hairs leaf sheath margin	present	present
<input type="checkbox"/>	Leaf: hairiness of leaf sheath	absent	absent
<input type="checkbox"/>	Leaf: hairiness of leaf blade margins (basal end)	absent	absent
<input type="checkbox"/>	Leaf: presence of hairs leaf blade upper surface	absent	absent
<input type="checkbox"/>	Leaf: margin	smooth	smooth
<input type="checkbox"/>	Leaf: density of ligule hairs	medium	medium
<input type="checkbox"/>	Leaf: length of ligule hairs	short	short
<input type="checkbox"/>	Leaf: colour of collar	lighter than leaf sheath	lighter than leaf sheath
<input checked="" type="checkbox"/>	Peduncle: length	short	long
<input checked="" type="checkbox"/>	Peduncle: width	narrow	broad
<input checked="" type="checkbox"/>	Inflorescence: length	short	long
<input type="checkbox"/>	Inflorescence: number of spikelets	medium	medium
<input checked="" type="checkbox"/>	Inflorescence: density of spikelets	dense	sparse
<input type="checkbox"/>	Spikelet: stigma colour	red-purple	red-purple
<input type="checkbox"/>	Spikelet: awn	absent	absent

<b>Characteristics Additional to the Descriptor/TG</b>		
<b>Organ/Plant Part: Context</b>	<b>'LMZ-020'</b>	<b>'GR28'</b>
<input type="checkbox"/> Stolon: leaf blade apex	narrow obtuse	broad obtuse
<input type="checkbox"/> Leaf: ligule structure	fringe of hairs	fringe of hairs
<input type="checkbox"/> Leaf: vernation	folded	folded
<b>Statistical Table</b>		
<b>Organ/Plant Part: Context</b>	<b>'LMZ-020'</b>	<b>'GR28'</b>
<input checked="" type="checkbox"/> Plant: maximum lateral spread 68 days after planting (mm)		
Mean	147.00	192.20
Std. Deviation	16.74	17.43
LSD/sig	15.48	P≤0.01
<input type="checkbox"/> Stolon: number of lateral branches (nodes 2-6)		
Mean	8.90	8.87
Std. Deviation	0.76	0.82
LSD/sig	0.90	ns
<input checked="" type="checkbox"/> Stolon: length of 4th internode (mm)		
Mean	45.27	55.67
Std. Deviation	4.50	7.84
LSD/sig	5.80	P≤0.01
<input type="checkbox"/> Stolon: length width ratio of stolon leaf at node 4 (mm)		
Mean	2.92	2.84
Std. Deviation	0.34	0.32
LSD/sig	0.30	ns
<input type="checkbox"/> Stolon: length of sheath on outer stolon leaf at node 4 (mm)		
Mean	19.60	20.63
Std. Deviation	1.48	1.63
LSD/sig	1.43	ns
<input type="checkbox"/> Stolon: length of blade on outer stolon leaf at node 4 (mm)		
Mean	16.10	15.93
Std. Deviation	2.34	2.53
LSD/sig	1.58	ns
<input type="checkbox"/> Stolon: width of blade on outer stolon leaf at node 4 (mm)		
Mean	5.52	5.62
Std. Deviation	0.46	0.63
LSD/sig	0.29	ns
<input checked="" type="checkbox"/> Stolon: diameter of 4th internode (mm)		
Mean	2.85	3.65
Std. Deviation	0.16	0.14
LSD/sig	0.12	P≤0.01



<input type="checkbox"/> Vegetative tiller: length of sheath on leaf 4 (mm)		
Mean	41.10	38.20
Std. Deviation	7.67	7.17
LSD/sig	8.54	ns
<input checked="" type="checkbox"/> Vegetative tiller: length of blade on leaf 4 (mm)		
Mean	100.77	83.67
Std. Deviation	10.29	19.62
LSD/sig	13.18	P≤0.01
<input checked="" type="checkbox"/> Vegetative tiller: width of blade on leaf 4 (mm)		
Mean	6.66	7.94
Std. Deviation	0.68	0.87
LSD/sig	0.57	P≤0.01
<input checked="" type="checkbox"/> Vegetative tiller: length:width ratio of leaf 4		
Mean	15.27	10.63
Std. Deviation	2.16	2.58
LSD/sig	2.21	P≤0.01
<input checked="" type="checkbox"/> Fertile tiller: length to base of inflorescence (mm)		
Mean	209.13	303.20
Std. Deviation	45.16	53.36
LSD/sig	50.98	P≤0.01
<input checked="" type="checkbox"/> Fertile tiller: length of internode 2 (mm)		
Mean	35.00	84.27
Std. Deviation	7.79	20.03
LSD/sig	10.34	P≤0.01
<input checked="" type="checkbox"/> Fertile tiller: diameter of internode 2 (mm)		
Mean	1.61	1.93
Std. Deviation	0.20	0.18
LSD/sig	0.16	P≤0.01
<input checked="" type="checkbox"/> Fertile tiller: length of flag leaf sheath (mm)		
Mean	41.70	48.70
Std. Deviation	4.31	6.06
LSD/sig	4.43	P≤0.01
<input checked="" type="checkbox"/> Fertile tiller: length of flag leaf blade (mm)		
Mean	37.60	26.97
Std. Deviation	10.52	8.75
LSD/sig	7.85	P≤0.01
<input checked="" type="checkbox"/> Fertile tiller: width of flag leaf blade (mm)		
Mean	5.53	6.10
Std. Deviation	0.78	1.23
LSD/sig	0.55	P≤0.01
<input checked="" type="checkbox"/> Fertile tiller: length width ratio of length of flag leaf		
Mean	6.72	4.42

Std. Deviation	1.31	1.25
LSD/sig	1.19	P≤0.01
<input checked="" type="checkbox"/> Fertile tiller: length of sheath on leaf 3 (mm)		
Mean	31.93	37.47
Std. Deviation	4.93	5.98
LSD/sig	5.22	P≤0.01
<input type="checkbox"/> Fertile tiller: length of blade on leaf 3 (mm)		
Mean	81.70	78.43
Std. Deviation	14.36	23.45
LSD/sig	19.04	ns
<input checked="" type="checkbox"/> Fertile tiller: width of blade on leaf 3 (mm)		
Mean	5.92	7.96
Std. Deviation	0.82	0.69
LSD/sig	0.73	P≤0.01
<input checked="" type="checkbox"/> Fertile tiller: length:width ratio of leaf 3		
Mean	14.05	9.94
Std. Deviation	3.25	3.29
LSD/sig	3.34	P≤0.01
<input checked="" type="checkbox"/> Peduncle: length (mm)		
Mean	36.40	60.57
Std. Deviation	10.85	9.87
LSD/sig	9.49	P≤0.01
<input checked="" type="checkbox"/> Peduncle: diameter (mm)		
Mean	1.53	2.04
Std. Deviation	0.20	0.26
LSD/sig	0.19	P≤0.01
<input checked="" type="checkbox"/> Inflorescence: length (mm)		
Mean	69.33	111.47
Std. Deviation	9.52	15.65
LSD/sig	7.00	P≤0.01
<input type="checkbox"/> Inflorescence: width (mm)		
Mean	3.72	3.88
Std. Deviation	0.32	0.47
LSD/sig	0.31	ns
<input type="checkbox"/> Inflorescence: breadth (mm)		
Mean	2.19	2.12
Std. Deviation	0.15	0.24
LSD/sig	0.10	ns
<input type="checkbox"/> Inflorescence: number of spikelets per inflorescence		
Mean	42.83	43.04
Std. Deviation	6.17	14.40
LSD/sig	15.57	ns

<input checked="" type="checkbox"/> Inflorescence: number of spikelets per cm of inflorescence		
Mean	6.22	3.94
Std. Deviation	0.78	1.43
LSD/sig	1.59	P≤0.01

**Prior Applications and Sales:**

Nil

Description: **D.S. Loch**, Alexandra Hills, QLD & **C.M. Zorin**, Birkdale, QLD

<b>Details of Application</b>	
<b>Application Number</b>	2018/018
<b>Variety Name</b>	'MLR-023'
<b>Genus Species</b>	<i>Vigna unguiculata</i>
<b>Common Name</b>	Cowpea
<b>Accepted Date</b>	09 Feb 2018
<b>Applicant</b>	GeneGro Pty Ltd, Alexandra Hills, QLD
<b>Qualified Person</b>	Dr Donald S. Loch
<b>Details of Comparative Trial</b>	
<b>Location</b>	Birkdale, QLD, Australia (Latitude 27°30'S, longitude 153°14'E, elevation 18 masl)
<b>Descriptor</b>	PBR COWP
<b>Period</b>	13 Nov 2017 – 15 Mar 2018
<b>Conditions</b>	Seeds sown into a red volcanic (krasnozem or ferrosol) soil on 13 Nov 2017; watered with a slurry of Group I inoculant (CB1015) on 12 Dec 2017; weed control by pendimethalin (Rifle 440) applied pre-emergence on 15 Nov 2017; 313 kg/ha of blended fertiliser (N:P:K:S = 12.8:14.2:11.9:6.4) applied after planting on 14 Nov 2017 to give 40 kg N, 44 kg P, 37 kg K, and 20 kg S per hectare; supplementary trickle irrigation applied as required to maintain unstressed growth. Sprayed weekly with azoxystrobin (2-28 Dec 2017) for damping off/stem-rot and fortnightly with deltamethrin (17 January – 1 Mar 2018) for brown pod-sucking bugs ( <i>Riptortus serripes</i> , <i>Melanacanthus scutellaris</i> ).
<b>Trial Design</b>	30 plants of each of 4 cultivars and accessions ('MLR-023', 'Red Caloona', 'Red Ripper' [CPI 20005], CPI 29518 [Chinese Red]) plus a second generation of 'MLR-023' arranged in 6 randomised blocks with 7 plants (i.e. 2 guard plants and 5 central datum plants) per plot in a single row along trickle irrigation lines; 0.3 m between plants in each plot and 0.7 m between plots in each row; 1.5 m between rows on trickle irrigation lines.
<b>Measurements</b>	Days to flowering determined progressively for each plant (7 Jan – 18 Feb 2018). Numbers of lateral branches counted on each of the 30 datum plants per entry on 26 Jan 2018; leaf characteristics measured on 15-17 Jan 2018 (one trifoliate leaf per plant sampled from the 5th visible node below the tip of a strong lateral branch); flowers (standard petal width) measured on 17-19 Jan 2018 ('MLR-023', 'Red Caloona', 'Red Ripper') and 28 Feb 2018 (CPI 29518); inflorescence and pod measurements (one inflorescence and 2 pods per plant) taken on 16-24 Jan 2018 ('MLR-023', 'Red Caloona', 'Red Ripper') and 1-28 Feb 2018 (CPI 29518); and mature seed size determined from samples (one per plot) taken on 16-30 Jan 2018 ('MLR-023', 'Red Caloona', 'Red Ripper') and 1 Feb – 15 Mar 2018 (CPI 29518). Analyses of variance (ANOVAs) conducted with Genstat Release 12; differences

	significant at the 1% level quantified using Fisher's protected LSDs.				
<b>RHS Chart - edition</b>	5th edition				
<b>Origin and Breeding</b>					
A single plant selection was made by the breeder from a variable population of the Chinese Red type of cowpea based on plant height (i.e. taller), an erect growth habit with very limited vining, good plant vigour, very early flowering and a strong dark red seed colour. Two subsequent generations of recurrent selection were imposed on seedlings derived from the selected plant; this involved stringent roguing to remove any apparent off type plants and thereby improve varietal uniformity. Observations during two subsequent generations of seed multiplication, first at Cambooya (QLD) and later in the Burdekin Irrigation Area (QLD) confirmed the overall uniformity among plants of the new variety. Breeder: Mike Lucy (Alliance Agricultural Consultants), QLD					
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge					
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>			
Plant	growth type	indeterminate			
Leaf	markings	absent			
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>					
<b>Name</b>	<b>Comments</b>				
'Red Caloona'	Industry standard				
'Red Ripper'	CPI 20005, heirloom variety				
CPI 29518	Chinese Red type				
<b>Varieties of Common Knowledge identified and subsequently excluded</b>					
<b>Variety</b>	<b>Distinguishing Characteristics</b>		<b>State of Expression in Candidate Variety</b>	<b>State of Expression in Comparator Variety</b>	<b>Comments</b>
'BlackStallion'	Seed	colour	dark red	black	application no. 2007/284; granted 09 Jun 2009
'BlackStallion'	Seed	size	medium-large	small	
'Ebony PR'	Seed	colour	dark red	dark purple/black	application no. 1996/159; granted 30 Sep 1997; terminated 28 Apr 2015
'BRC-011'	Seed	colour	dark red	dark brown	application no. 2015/039; granted 11 Aug 2016

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

<b>Organ/Plant Part: Context</b>	<b>'MLR-023'</b>	<b>'Red Caloona'</b>	<b>'Red Ripper'</b>	<b>CPI 29518</b>
<input type="checkbox"/> Plant: growth type	indeterminate	indeterminate	indeterminate	indeterminate

<input checked="" type="checkbox"/> Plant: degree of twining	very weak to weak	absent or very weak	strong to very strong	medium
<input checked="" type="checkbox"/> Petiole: anthocyanin colouration at point of attachment of leaf	present	present	absent	present
<input checked="" type="checkbox"/> Petiole: anthocyanin colouration at point of attachment of stem	present	present	absent	absent
<input type="checkbox"/> Leaf: intensity of green colour of upper side	dark	dark	dark	dark
<input type="checkbox"/> Inflorescence: position relative to canopy	above	level	above	level
<input type="checkbox"/> Standard petal: width	broad	narrow	broad	medium
<input checked="" type="checkbox"/> Peduncle: length	medium to long	short to medium	long to very long	long to very long
<input type="checkbox"/> Mature pod: attitude	pendulous	semi-pendulous	pendulous	pendulous
<input checked="" type="checkbox"/> Mature pod: curvature	slightly curved	curved	curved	slightly curved
<input checked="" type="checkbox"/> Mature pod: length	medium	short	long	medium
<input type="checkbox"/> Mature pod: thickness of wall	medium	thin	medium	medium
<input type="checkbox"/> Mature pod: shattering	absent	absent	absent	absent
<input type="checkbox"/> Mature pod: colour (exposed to sun) –RHS	164B-C	164B-C	164C	164B-C
<input type="checkbox"/> Mature pod: pubescence	absent	absent	absent	absent
<input checked="" type="checkbox"/> Seed: shape	kidney shaped	ovoid	ovoid	ovoid
<input type="checkbox"/> Seed: texture of testa	smooth	smooth	smooth	smooth
<input type="checkbox"/> Seed: colour of eye	white	white	white	white
<input checked="" type="checkbox"/> Plant: vigour	weak to medium	very weak to weak	strong to very strong	medium to strong
<input type="checkbox"/> Leaf: markings	absent	absent	absent	absent
<input type="checkbox"/> Leaf: texture	medium	medium	medium	medium
<input type="checkbox"/> Seed: presence of secondary colour	absent	absent	absent	absent

<b>Characteristics Additional to the Descriptor/TG</b>				
<b>Organ/Plant Part: Context</b>	<b>'MLR-023'</b>	<b>'Red Caloona'</b>	<b>'Red Ripper'</b>	<b>CPI 29518</b>
<input type="checkbox"/> Stem: pubescence	absent	absent	absent	absent
<input type="checkbox"/> Leaf: background colour	147A	147A	147A	147A
<input type="checkbox"/> Leaf: pubescence	absent	absent	absent	absent
<input checked="" type="checkbox"/> Plant: growth habit	semi-erect (vining)	erect bush	semi-prostrate (spreading)	medium

<input checked="" type="checkbox"/> Plant: number of lateral branches (before canopy closure)	very low	medium	high	very high
<input checked="" type="checkbox"/> Plant: maturity (days to flower)	very early	early	early	late
<input type="checkbox"/> Leaf: shape of blade on terminal leaflet	sub-hastate	sub-hastate	sub-hastate	sub-hastate
<input type="checkbox"/> Petiole: anthocyanin coloration (where present)	187A-B	187A-B	absent	187A-B
<input checked="" type="checkbox"/> Flower: colour of bud just prior to opening	160D	157A-B	145B-C	160C
<input type="checkbox"/> Flower: standard petal colour (freshly open flower)	N80B-C	N80C-D	N81D	N82D
<input checked="" type="checkbox"/> Peduncle: anthocyanin coloration at base (point of attachment with stem)	present	present	absent	present
<input checked="" type="checkbox"/> Immature pod: attitude (pod attachment to peduncle)	erect	erect	pendulous	erect
<input type="checkbox"/> Immature pod: base colour	143A	143A-B	143B	143A-B
<input type="checkbox"/> Immature pod: intensity of anthocyanin coloration on fully grown ripening pods	very weak	very weak	weak	weak
<input checked="" type="checkbox"/> Immature pod: pigmentation pattern on fully grown ripening pods	pigmentation of valves concentrated between locules	pigmented tip	pigmentation of valves concentrated between locules	pigmentation of valves concentrated between locules
<input type="checkbox"/> Immature pod: anthocyanin coloration (where present)	187A-B	187A-B	187A-B	187A-B
<input checked="" type="checkbox"/> Mature pod: maximum width	very broad	narrow	broad	medium
<input checked="" type="checkbox"/> Mature pod: maximum depth	very broad	medium	broad	medium
<input checked="" type="checkbox"/> Mature pod: arrangement of seeds in pod	separated	loosely contiguous	loosely contiguous	loosely contiguous
<input checked="" type="checkbox"/> Seed: main colour (colour of the largest area of the seed)	red-purple	orange	pink	light brown/buff
<input checked="" type="checkbox"/> Seed: main colour of testa	187B	174(B-)C	184B	165B-D
<input checked="" type="checkbox"/> Seed: weight (100 seed wt)	high to very high	low	high to very high	medium
<b>Statistical Table</b>				
<b>Organ/Plant Part: Context</b>	<b>‘MLR-023’</b>	<b>‘Red Caloona’</b>	<b>‘Red Ripper’</b>	<b>CPI 29518</b>
<input checked="" type="checkbox"/> Plant: number of lateral branches (74 days after sowing)				

Mean	2.80	4.17	5.47	6.23
Std. Deviation	0.85	1.21	0.97	1.57
LSD/sig	1.20	P≤0.01	P≤0.01	P≤0.01
☑ Plant: days to flowering (ANOVA excluding CPI 29518)				
Mean	43.67	50.17	50.50	74.50
Std. Deviation	3.27	1.17	2.59	15.04
LSD/sig	4.01	P≤0.01	P≤0.01	
☑ Trifoliolate leaf: primary petiole length (mm)				
Mean	104.50	125.73	143.77	144.13
Std. Deviation	16.84	19.85	34.13	27.34
LSD/sig	28.30	ns	P≤0.01	P≤0.01
☑ Trifoliolate leaf: length of petiole subtending terminal leaflet (mm)				
Mean	41.00	40.73	46.33	34.73
Std. Deviation	4.25	5.33	8.52	5.94
LSD/sig	5.40	ns	ns	P≤0.01
☑ Trifoliolate leaf: length of terminal leaflet (mm)				
Mean	125.37	110.67	130.90	119.93
Std. Deviation	9.20	9.47	7.74	8.02
LSD/sig	7.80	P≤0.01	ns	ns
☑ Trifoliolate leaf: width of terminal leaflet (mm)				
Mean	94.63	75.90	84.33	90.80
Std. Deviation	7.59	6.11	5.97	7.22
LSD/sig	6.50	P≤0.01	P≤0.01	ns
☑ Trifoliolate leaf: length:width ratio of terminal leaflet				
Mean	1.33	1.46	1.56	1.32
Std. Deviation	0.05	0.11	0.09	0.07
LSD/sig	0.08	P≤0.01	P≤0.01	ns
☑ Trifoliolate leaf: length of lateral leaflet (mm)				
Mean	123.27	101.97	125.93	117.47
Std. Deviation	9.34	8.15	8.60	8.24
LSD/sig	7.10	P≤0.01	ns	ns
☑ Trifoliolate leaf: width of lateral leaflet (mm)				
Mean	91.80	72.17	84.33	85.90
Std. Deviation	6.51	6.44	6.16	6.15
LSD/sig	4.60	P≤0.01	P≤0.01	P≤0.01
☑ Trifoliolate leaf: length:width ratio of lateral leaflet				
Mean	1.34	1.42	1.50	1.37
Std. Deviation	0.05	0.09	0.08	0.08
LSD/sig	0.06	P≤0.01	P≤0.01	ns
☑ Flower: standard petal width (mm)				
Mean	33.67	28.13	34.73	31.47
Std. Deviation	0.71	1.04	0.69	1.02



LSD/sig	0.70	P≤0.01	P≤0.01	P≤0.01
☑ Inflorescence: peduncle length (mm)				
Mean	339.50	286.47	478.97	426.63
Std. Deviation	38.46	71.89	48.85	57.62
LSD/sig	65.30	ns	P≤0.01	P≤0.01
☑ Pod: length (mm)				
Mean	181.05	138.33	235.53	177.83
Std. Deviation	5.81	7.13	8.35	7.65
LSD/sig	7.80	P≤0.01	P≤0.01	ns
☑ Pod: width (mm)				
Mean	8.11	4.92	7.79	5.61
Std. Deviation	0.47	0.44	0.59	0.43
LSD/sig	0.62	P≤0.01	ns	P≤0.01
☑ Pod: depth (mm)				
Mean	10.96	6.42	9.88	6.75
Std. Deviation	0.42	0.32	0.48	0.45
LSD/sig	0.50	P≤0.01	P≤0.01	P≤0.01
☑ Pod: number of seeds per pod				
Mean	13.75	13.90	18.40	15.50
Std. Deviation	0.67	1.13	0.61	1.16
LSD/sig	0.94	ns	P≤0.01	P≤0.01
☑ Pod: number of seeds per cm of pod				
Mean	0.76	1.00	0.78	0.87
Std. Deviation	0.03	0.05	0.03	0.06
LSD/sig	0.05	P≤0.01	ns	P≤0.01
☑ Seed: 1000-seed weight (g)				
Mean	154.93	75.47	158.00	105.49
Std. Deviation	4.55	2.59	6.74	11.47
LSD/sig	11.24	P≤0.01	ns	P≤0.01

### **Prior Applications and Sales:**

Nil

Description: **D.S. Loch**, Alexandra Hills, QLD & **C.M. Zorin**, Birkdale, QLD

<b>Details of Application</b>	
<b>Application Number</b>	2016/276
<b>Variety Name</b>	'Pink Paige'
<b>Genus Species</b>	<i>Dahlia</i> sp.
<b>Common Name</b>	Dahlia
<b>Accepted Date</b>	08 Nov 2016
<b>Applicant</b>	Gary Capper, Belinda Riley, Kulnura, NSW
<b>Qualified Person</b>	John Oates

<b>Details of Comparative Trial</b>	
<b>Location</b>	Kulnura NSW
<b>Descriptor</b>	TG/226/1
<b>Period</b>	November 2017 - June 2018
<b>Conditions</b>	In ground, Solarweave cover, Drip irrigation as required, a minimal amount (approximately 2 lumens) of lighting is used for 7 hours per night.
<b>Trial Design</b>	Plants grown at spaced at 0.5m in rows 2m apart
<b>Measurements</b>	As per UPOV Technical Guidelines.
<b>RHS Chart - edition</b>	6th edition (2015)

<b>Origin and Breeding</b>	
Spontaneous Mutation: In March 2014 during a normal cut flower trialing programme an off-type single shoot was observed on a Riley/Capper purple 'decorative' dahlia breeding line (nonextant); the shoot terminated with a pink 'decorative semi-cactus' flower. The shoot was harvested and cuttings prepared. The resultant plants bred true for the pink 'decorative cactus' flower. Subsequently the line was multiplied using cuttings and tubers. It was observed to produce flowers over an extended period to the extent that by June 2015 flowers were harvested for commercial sale. The variety has continued to breed true for plant height: 2m; flower type: semi-cactus; colour: pink and extended flowering period: May to October. Breeders: Belinda Riley and Garry Capper, Kulnura NSW	

<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Plant	growth habit	upright

<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>	
<b>Name</b>	<b>Comments</b>
'White Taylor'	
'Pink Taylor'	'Pink Taylor', 'White Taylor' and the 'purple' parent of 'Pink Paige' were each mutants of the commercial, non-protected, variety 'Taylor'. The applicants bred 'Taylor' prior to 2008. Both 'Pink Taylor' and 'White Taylor' differ from 'Pink Paige', differ by flower colour and type and by flowering period.

**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	'Pink Paige'	'Pink Taylor'	'White Taylor'
<input type="checkbox"/> Plant: growth habit	upright	upright	upright
<input checked="" type="checkbox"/> *Plant: height	very tall	medium	medium
<input checked="" type="checkbox"/> Stem: colour	green	green tinged with brownish red or purple	green
<input type="checkbox"/> Leaf: type	simple and pinnate	simple and pinnate	predominantly pinnate
<input type="checkbox"/> Leaf: wing	absent or weak	moderate	moderate
<input checked="" type="checkbox"/> *Leaf: length including petiole	long	short to medium	short to medium
<input checked="" type="checkbox"/> *Leaf: width	broad	narrow to medium	medium
<input type="checkbox"/> *Leaf: length/width ratio	medium	medium to high	medium
<input checked="" type="checkbox"/> *Leaf: colour	dark green	medium green	dark green
<input type="checkbox"/> Leaf: glossiness	medium	medium	medium
<input type="checkbox"/> Leaf: texture of surface	smooth or very weakly rugose	smooth or very weakly rugose	smooth or very weakly rugose
<input checked="" type="checkbox"/> Leaf: veins	depressed	raised	depressed
<input type="checkbox"/> Leaflet: shape	elliptic	elliptic	elliptic
<input type="checkbox"/> Leaflet: shape of base	asymmetric	asymmetric	obtuse
<input type="checkbox"/> Leaflet margin: number of incisions	medium	medium	medium
<input checked="" type="checkbox"/> Leaflet margin: depth of incisions	medium to deep	shallow to medium	medium to deep
<input type="checkbox"/> Peduncle: length	medium	medium	medium
<input type="checkbox"/> Peduncle: colour	green	green	green
<input type="checkbox"/> *Flower heads: position in relation to foliage	moderately above foliage	moderately above foliage	moderately above foliage
<input checked="" type="checkbox"/> Flower head: attitude	upright	semi upright	upright to semi upright
<input checked="" type="checkbox"/> *Flower head: type	double	semi double	daisy-eyed double
<input checked="" type="checkbox"/> *Flower head: collar segments	absent	present	absent
<input checked="" type="checkbox"/> *Flower head: diameter	large	medium	large to very large
<input checked="" type="checkbox"/> Flower head: height (double and daisy-eyed double varieties only)	medium	short	tall
<input type="checkbox"/> *Flower head: number of ray florets (single, semi double and daisy-eyed double varieties only)	many	medium	medium to many

<input checked="" type="checkbox"/> *Flower head: density of ray florets (double varieties only)	dense	medium	medium to dense
<input checked="" type="checkbox"/> *Ray floret: length	medium to long	short	long to very long
<input type="checkbox"/> *Ray floret: width	broad	broad	broad
<input type="checkbox"/> *Ray floret: length/width ratio	low to medium	low	very low to low
<input type="checkbox"/> Ray floret: upper surface	keeled	keeled	keeled
<input type="checkbox"/> Ray floret: number of keels on keeled florets	more than two	more than two	more than two
<input checked="" type="checkbox"/> *Ray floret: profile in cross section at mid point	strongly convex	weakly concave	weakly convex
<input type="checkbox"/> Ray floret: profile in cross section at $\frac{3}{4}$ point from base, if different from mid-point	strongly convex with margins overlapping	moderately concave	weakly convex
<input type="checkbox"/> Ray floret: rolling of margin	flat	flat	flat
<input checked="" type="checkbox"/> *Ray floret: longitudinal axis	incurving	straight	incurving
<input type="checkbox"/> Ray floret: part of axis curved	distal quarter		distal quarter
<input type="checkbox"/> Ray floret: strength of curvature	weak	very weak to weak	very weak to weak
<input type="checkbox"/> Ray floret: twisting	absent or very weak	absent or very weak	absent or very weak
<input checked="" type="checkbox"/> *Ray floret: shape of apex	pointed	rounded	rounded
<input checked="" type="checkbox"/> *Ray floret: number of colours of inner side	one	two	one
<input checked="" type="checkbox"/> *Ray floret: main colour of inner side (RHS Colour Chart)	75A	NN74B~C	NN155A
<input checked="" type="checkbox"/> *Ray floret: second colour of inner side (RHS Colour Chart)	absent	157A	absent
<input type="checkbox"/> *Ray floret: colour of the outer side compared to main colour of inner side	similar	similar	similar

<b>Characteristics Additional to the Descriptor/TG</b>			
<b>Organ/Plant Part: Context</b>	<b>'Pink Paige'</b>	<b>'Pink Taylor'</b>	<b>'White Taylor'</b>
<input checked="" type="checkbox"/> Ray floret: main colour inner side immature (RHS Colour Chart)	N74A	NN74B~C	155A
<input checked="" type="checkbox"/> Stem: colour (RHS Colour Chart)	144A	144A/187A	144A
<input checked="" type="checkbox"/> Leaf: colour (RHS Colour Chart)	N188A	NN137A	N189A
<input checked="" type="checkbox"/> Flowering: period (RHS Colour Chart)	May-October	Nov-April	Nov-April

**Prior Applications and Sales:**

Nil

Description: **John Oates**, Merimbula NSW

<b>Details of Application</b>	
<b>Application Number</b>	2016/359
<b>Variety Name</b>	'JCU6'
<b>Genus Species</b>	<i>Desmanthus bicornutus</i>
<b>Common Name</b>	Desmanthus
<b>Accepted Date</b>	23 Dec 2016
<b>Applicant</b>	James Cook University, Townsville, QLD
<b>Agent</b>	Agrimix Pty Ltd, Eagle Farm, QLD
<b>Qualified Person</b>	Dr Donald S. Loch
<b>Details of Comparative Trial</b>	
<b>Location</b>	Birkdale, QLD, Australia
<b>Descriptor</b>	PBR DESM
<b>Period</b>	27 Dec 2016 – 30 Jun 2017
<b>Conditions</b>	Seed sown on 27 Dec 2016 in 20 mm diameter tubes (thinned to one seedling per tube); watered with a slurry of <i>Leucaena/Desmanthus</i> inoculant (CB3126) on 11 Jan 2017. Seedlings planted out on a red volcanic (krasnozem or ferrosol) soil on 30 Jan 2017; weed control by pendimethalin (Rifle 440) applied pre-planting on 29 Jan 2017; 313 kg/ha of blended fertiliser (N:P:K:S = 12.8:14.2:11.9:6.4) applied after planting on 12 Feb 2017 to give 40 kg N, 44 kg P, 37 kg K, and 20 kg S per hectare; supplementary trickle irrigation applied as required to maintain unstressed growth. Sprayed with chlorantraniliprole (5 Feb 2017) for grass blue butterfly control.
<b>Trial Design</b>	30 plants of each of 3 cultivars and accessions ('JCU6', 'JCU4', CPI 91162) plus a second generation of 'JCU6' and an experimental line (CPI 90857) arranged in 6 randomised blocks with 5 plants per plot in a single row along trickle irrigation lines; 0.8 m between plants in each plot and 1.6 m between plots in each row; 1.5 m between rows on trickle irrigation lines.
<b>Measurements</b>	Days to flowering determined progressively for each plant (5 Mar – 20 Apr 2017). Ratings of plant habit and branching and measurements of height and spread made on each individual plant on 3-13 Apr 2017 (97-107 days after sowing). Measurements (one set per plant) made on stem internodes (19-20 Apr 2017), fully expanded leaves from nodes 10-15 together with inflorescences and pods (1-19 Jun 2017). Samples of ripe pods (one per plot) collected progressively as each genotype ripened during April-June 2014 to determine seed size after threshing, screening and removal of remaining light inert material using a Seedburo General Seed Blower. Analyses of variance (ANOVAs) conducted with Genstat Release 12.
<b>RHS Chart - edition</b>	2007

**Origin and Breeding**

Seedling selection: In 1992, a trial was planted on duplex soils at Townsville (QLD) by J. Rangel (James Cook University) to compare the growth of a range of *Desmanthus* and *Stylosanthes* spp. accessions in an open sunny environment and under shade cast by an open woodland dominated by narrow-leaf ironbark (*Eucalyptus crebra*). A decade later (and still 26 years on in 2018), it was noted that all of the *Desmanthus* spp. accessions had failed in the open environment but that *Desmanthus bicornutus* had persisted and recruited successfully under the semi shaded woodland environment. Seed was collected from a number of particularly vigorous and persistent *D. bicornutus* plants observed growing outside of the original trial. These single-plant selections were multiplied and culled for any morphological off-types prior to selecting 'JCU6' (putative parent: CPI 91162). In subsequent trials at 6 sites from Townsville through to Goondiwindi (QLD), 'JCU6' ranked very highly compared with other *Desmanthus* genotypes, particularly for leafiness and bulk. It is also noteworthy that 'JCU6' grows on a range of soil types including slightly acid duplex soils with a silty sandy loam top soil, a somewhat unusual situation for *Desmanthus* species in general. Breeder: Chris Gardiner.

**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	diameter	medium to thick
Leaf	number of pinnae	medium to many
Flower	date of first flower	late to very late
Seed	size	medium to large

**Most Similar Varieties of Common Knowledge identified (VCK)**

Name	Comments
'JCU4'	
CPI 91162	

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

<b>Organ/Plant Part: Context</b>	<b>'JCU6'</b>	<b>'JCU4'</b>	<b>'CPI 91162'</b>
<input type="checkbox"/> Plant: growth habit	intermediate to semi-erect	intermediate	intermediate to semi-erect
<input type="checkbox"/> Plant: density	sparse to medium	sparse to medium	medium
<input checked="" type="checkbox"/> Plant: height	medium	tall	tall
<input checked="" type="checkbox"/> Plant: width	medium	medium	medium to broad
<input type="checkbox"/> Young stem: pubescence	absent	absent	absent
<input type="checkbox"/> Young stem: colour	reddish green	reddish green	reddish green
<input checked="" type="checkbox"/> Stem: thickness	thick	thin	thick
<input checked="" type="checkbox"/> Leaf: number	many to very many	few to medium	very many
<input checked="" type="checkbox"/> Leaf: length of primary rachis	very long	medium	very long
<input checked="" type="checkbox"/> Leaf: no. of pairs of pinnae on primary rachis	many to very many	few to medium	very many
<input checked="" type="checkbox"/> Leaf: length of pinna	long	short to medium	long to very long
<input checked="" type="checkbox"/> Leaf: number of leaflets per pinna	many to very many	medium	many to very many
<input type="checkbox"/> Leaf: length of leaflet	short to medium	medium	short to medium
<input type="checkbox"/> Leaf: width of leaflet	narrow to medium	narrow to medium	narrow to medium
<input type="checkbox"/> Leaf: shape of leaflet	linear oblong	linear oblong	linear oblong
<input type="checkbox"/> Leaf: length of petiole	long	medium	medium to long
<input type="checkbox"/> Leaf: shape of gland on petiole	orbicular	orbicular	orbicular
<input type="checkbox"/> Leaf: size of gland on petiole	small	small	small
<input type="checkbox"/> Leaf: petiole presence of anthocyanin	present	present	present
<input checked="" type="checkbox"/> Stipule: length	medium to long	short	medium to long
<input checked="" type="checkbox"/> Inflorescence : peduncle length	long to very long	medium	long
<input checked="" type="checkbox"/> Fruiting peduncle: No. of pods per peduncle	very many	few	many
<input checked="" type="checkbox"/> Mature pod: length	medium	long to very long	short to medium
<input checked="" type="checkbox"/> Mature pod: width	broad to very broad	medium to broad	broad to very broad
<input type="checkbox"/> Mature pod: longitudinal shape	linear to curved	linear to curved	linear to curved



<input type="checkbox"/>	Mature pod: shape in cross section	flattened margins	flattened margins	flattened margins
<input type="checkbox"/>	Mature pod: no. of seeds per pod	few to medium	few to medium	few
<input checked="" type="checkbox"/>	Seed: length	medium to long	very long	medium
<input checked="" type="checkbox"/>	Seed: width	narrow to medium	broad	medium
<input type="checkbox"/>	Seed : colour of mature seed	medium brown	medium brown	medium brown
<input checked="" type="checkbox"/>	Seed: shape	narrow ovate	narrow rhombic	narrow ovate
<input type="checkbox"/>	Seed: shape - cross section	flat	flat	flat

<b>Characteristics Additional to the Descriptor/TG</b>				
<b>Organ/Plant Part: Context</b>	<b>'JCU6'</b>	<b>'JCU4'</b>	<b>'CPI 91162'</b>	
<input type="checkbox"/>	Mature green pod: colour where exposed to sunlight	60A	60A	60A
<input type="checkbox"/>	Young stem: colour	green to red	green to red	green to red
<input type="checkbox"/>	Leaf: colour of gland on petiole	red	red	red
<input type="checkbox"/>	Leaf: colour of upper surface	N138B	138A	N138B
<input type="checkbox"/>	Ripe pod: showing colour change with age	166A-200B	166A-200B	166A-200B
<input type="checkbox"/>	Seed: colour	166A	166A	166A
<input type="checkbox"/>	Mature stem: colour	59A	59A	59A
<input type="checkbox"/>	Leaf: diameter of petiole	medium to thick	very thin	medium to thick
<input type="checkbox"/>	Fruiting peduncle: diameter	very thick	medium	thick to very thick
<input type="checkbox"/>	Fruiting peduncle: colour where exposed to sunlight	green to red	green to red	green to red
<input type="checkbox"/>	Pod: seed valves in pod	seeds separated	seeds separated	seeds separated
<input type="checkbox"/>	Ripe pod: colour	mid-brown changing to dark brown with age	mid-brown changing to dark brown with age	mid-brown changing to dark brown with age

<b>Statistical Table</b>			
<b>Organ/Plant Part: Context</b>	<b>'JCU6'</b>	<b>'JCU4'</b>	<b>'CPI 91162'</b>
<input checked="" type="checkbox"/>	Plant: first flowering (days from sowing)		
Mean	100.75	75.90	96.67
Std. Deviation	4.87	4.65	4.22
Lsd/sig	3.90	P≤0.01	P≤0.01
<input checked="" type="checkbox"/>	Plant: height, mean 102 days after sowing (cm)		
Mean	85.39	106.07	110.40

Std. Deviation	17.93	18.79	17.20
Lsd/sig	18.50	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Plant: maximum diameter ,mean 102 days after sowing (cm)			
Mean	85.96	96.44	115.53
Std. Deviation	25.19	18.02	31.94
Lsd/sig	22.40	ns	P≤0.01
<input type="checkbox"/> Stem: diameter of 10th internode (mm)			
Mean	4.24	2.56	4.10
Std. Deviation	0.27	0.44	0.43
Lsd/sig	0.37	P≤0.01	ns
<input checked="" type="checkbox"/> Stem: length of 10th internode (mm)			
Mean	35.00	31.47	35.07
Std. Deviation	4.11	5.57	4.66
Lsd/sig	2.30	P≤0.01	ns
<input checked="" type="checkbox"/> Leaf: length of central rachis (mm)			
Mean	90.40	34.48	96.68
Std. Deviation	8.06	4.74	10.18
Lsd/sig	6.60	P≤0.01	ns
<input checked="" type="checkbox"/> Leaf: number of primary pinnae			
Mean	18.87	10.07	20.03
Std. Deviation	1.31	0.98	1.52
Lsd/sig	0.80	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Leaf: maximum length of primary pinnae			
Mean	40.77	33.80	43.08
Std. Deviation	3.89	6.21	3.54
Lsd/sig	5.28	P≤0.01	ns
<input checked="" type="checkbox"/> Leaf: number of pinnules on longest primary pinna			
Mean	52.43	40.07	51.30
Std. Deviation	3.69	4.94	9.36
Lsd/sig	4.30	P≤0.01	ns
<input type="checkbox"/> Leaf: maximum pinnule length on longest primary pinna (mm)			
Mean	7.02	7.38	7.03
Std. Deviation	0.48	0.77	0.54
Lsd/sig	0.60	ns	ns
<input type="checkbox"/> Leaf: maximum pinnule width on longest primary pinna (mm)			
Mean	1.71	1.81	1.80
Std. Deviation	0.21	0.31	0.25
Lsd/sig	0.26	ns	ns
<input type="checkbox"/> Leaf: petiole length (mm)			
Mean	11.53	7.98	10.92
Std. Deviation	4.41	0.93	3.67
Lsd/sig	2.98	P≤0.01	ns

<input type="checkbox"/> Leaf: petiole diameter (mm)			
Mean	1.15	0.67	1.20
Std. Deviation	0.10	0.10	0.13
Lsd/sig	0.09	P≤0.01	ns
<input checked="" type="checkbox"/> Leaf: stipule length (mm)			
Mean	6.60	4.40	6.57
Std. Deviation	0.77	0.67	0.75
Lsd/sig	0.69	P≤0.01	ns
<input checked="" type="checkbox"/> Inflorescence: peduncle length (mm)			
Mean	52.37	33.13	48.57
Std. Deviation	5.47	3.36	8.02
Lsd/sig	4.70	P≤0.01	ns
<input checked="" type="checkbox"/> Inflorescence: peduncle diameter (mm)			
Mean	1.89	1.26	1.83
Std. Deviation	0.17	0.14	0.22
Lsd/sig	0.16	P≤0.01	ns
<input checked="" type="checkbox"/> Inflorescence: number of pods per inflorescence			
Mean	19.77	8.27	17.53
Std. Deviation	2.71	2.05	4.29
Lsd/sig	2.10	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Pod: length (mm)			
Mean	70.97	82.23	66.37
Std. Deviation	3.17	9.72	4.81
Lsd/sig	5.60	P≤0.01	ns
<input checked="" type="checkbox"/> Pod: maximum width (mm)			
Mean	4.34	3.67	4.17
Std. Deviation	0.23	0.28	0.23
Lsd/sig	0.30	P≤0.01	ns
<input type="checkbox"/> Pod: number of seeds per pod			
Mean	15.97	15.67	14.83
Std. Deviation	1.59	2.83	2.15
Lsd/sig	1.60	ns	ns
<input checked="" type="checkbox"/> Pod: number of seeds per cm of pod			
Mean	2.25	1.90	2.23
Std. Deviation	0.16	0.21	0.20
Lsd/sig	0.15	P≤0.01	ns
<input type="checkbox"/> Seed: mean seed weight			
Mean	5.55	7.09	5.62
Std. Deviation	0.23	0.33	0.19
Lsd/sig	0.51	P≤0.01	ns

### **Prior Applications and Sales:**

Nil

Description: **Dr Donald S Loch**, Alexandra Hills QLD & **C.M. Zorin**, Birkdale, QLD

<b>Details of Application</b>	
<b>Application Number</b>	2016/360
<b>Variety Name</b>	'JCU7'
<b>Genus Species</b>	<i>Desmanthus leptophyllus</i>
<b>Common Name</b>	Desmanthus
<b>Accepted Date</b>	23 Dec 2016
<b>Applicant</b>	James Cook University, Townsville, QLD
<b>Agent</b>	Agrimix Pty Ltd, Eagle Farm, QLD
<b>Qualified Person</b>	Dr Donald S. Loch
<b>Details of Comparative Trial</b>	
<b>Location</b>	Birkdale, QLD, Australia
<b>Descriptor</b>	PBR DESM
<b>Period</b>	27 Dec 2016 – 30 Jun 2017
<b>Conditions</b>	Seed sown on 27 Dec 2016 in 20 mm diameter tubes (thinned to one seedling per tube); watered with a slurry of <i>Leucaena/Desmanthus</i> inoculant (CB3126) on 11 Jan 2017. Seedlings planted out on a red volcanic (krasnozem or ferrosol) soil on 2 Feb 2017; weed control by pendimethalin (Rifle 440) applied pre-planting on 29 Jan 2017; 313 kg/ha of blended fertiliser (N:P:K:S = 12.8:14.2:11.9:6.4) applied after planting on 12 Feb 2017 to give 40 kg N, 44 kg P, 37 kg K, and 20 kg S per hectare; supplementary trickle irrigation applied as required to maintain unstressed growth. Sprayed with chlorantraniliprole (5 Feb 2017) for grass blue butterfly control.
<b>Trial Design</b>	30 plants of each of 4 cultivars and accessions ('JCU7', 'JCU1', 'Bayamo', CPI 38351) plus a second generation of 'JCU6' (not reported) and 3 <i>D. pernambucanus</i> genotypes arranged in 6 randomised blocks with 5 plants per plot in a single row along trickle irrigation lines; 0.8 m between plants in each plot and 1.6 m between plots in each row; 1.5 m between rows on trickle irrigation lines.
<b>Measurements</b>	Days to flowering determined progressively for each plant (10 Mar – 7 Apr 2017). Ratings of plant habit and branching and measurements of height and spread made on each individual plant on 13-14 Apr 2017 (107-108 days after sowing – weighted average 108 days). Measurements (one set per plant) made on stem internodes (20-21 Apr 2017), fully expanded leaves from nodes 10-15 together with inflorescences and pods (5-12 Jun 2017). Samples of ripe pods (one per plot) collected progressively as each genotype ripened during April-June 2014 to determine seed size after threshing, screening and removal of remaining light inert material using a Seedburo General Seed Blower. Analyses of variance (ANOVAs) conducted with Genstat Release 12.
<b>RHS Chart - edition</b>	2007

**Origin and Breeding**  
 Seedling selection: Seed was collected in 2007 from selected vigorous plants growing in an adventive population of *Desmanthus leptophyllus* near Billabong Sanctuary just south of Townsville (QLD) where it had persisted for many years previously. The selected plants also showed good seed production at that site. These single-plant selections were multiplied and culled for any morphological off-types prior to selecting 'JCU7' (putative parent: CPI 38351). In subsequent trials at 6 sites from Townsville through to Goondiwindi (QLD), 'JCU7' was among the highest performing group of *Desmanthus* genotypes, particularly for leafiness and bulk. Breeder: Chris Gardiner (James Cook University, Townsville, QLD).

<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Plant	density of branching	medium to dense
Stem	diameter	medium to small
Leaf	number of primary pinnae	many
Inflorescence	number of pods per inflorescence	medium to many
Seed	shape (in lateral view)	dorsi-ventrally flattened
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
'CPI 38351'		
'JCU1'		
'Bayamo'		

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

<b>Organ/Plant Part: Context</b>	<b>‘JCU7’</b>	<b>‘Bayamo’</b>	<b>‘JCU1’</b>	<b>‘CPI 38351’</b>
<input type="checkbox"/> Plant: growth habit	semi-prostrate to intermediate	semi-prostrate to intermediate	prostrate to semi-prostrate	intermediate to semi-erect
<input type="checkbox"/> Plant: density	medium to dense	medium	medium to dense	sparse
<input checked="" type="checkbox"/> Plant: height	short to medium	medium	short	tall to very tall
<input checked="" type="checkbox"/> Plant: width	narrow to medium	medium to broad	medium	broad
<input type="checkbox"/> Young stem: pubescence	absent	absent	absent	absent
<input type="checkbox"/> Young stem: colour	reddish green	reddish green	reddish green	reddish green
<input checked="" type="checkbox"/> Stem: thickness	thin	thin	medium	medium
<input checked="" type="checkbox"/> Leaf: length of primary rachis	medium to long	medium	short	very long
<input checked="" type="checkbox"/> Leaf: no. of pairs of pinnae on primary rachis	many	medium	many	very many
<input checked="" type="checkbox"/> Leaf: length of pinna	medium	medium	very short to short	medium to long
<input checked="" type="checkbox"/> Leaf: number of leaflets per pinna	many to very many	many	medium	very many
<input checked="" type="checkbox"/> Leaf: length of leaflet	medium	medium	short	medium
<input type="checkbox"/> Leaf: width of leaflet	narrow to medium	medium	narrow	medium
<input type="checkbox"/> Leaf: shape of leaflet	linear oblong	linear oblong	linear oblong	linear oblong
<input type="checkbox"/> Leaf: length of petiole	medium	medium	medium	medium
<input type="checkbox"/> Leaf: shape of gland on petiole	orbicular	orbicular	orbicular	orbicular
<input type="checkbox"/> Leaf: size of gland on petiole	small to medium	small	small	small to medium
<input type="checkbox"/> Leaf: petiole presence of anthocyanin	present	present	present	present
<input checked="" type="checkbox"/> Stipule: length	medium	short	very short to short	long
<input type="checkbox"/> Inflorescence : peduncle length	medium	medium	short to medium	medium to long
<input checked="" type="checkbox"/> Fruiting peduncle: No. of pods per peduncle	medium to many	medium	few	very many
<input checked="" type="checkbox"/> Mature pod: length	medium to long	long	short	very long
<input checked="" type="checkbox"/> Mature pod: width	very narrow to narrow	narrow to medium	very broad	medium

<input type="checkbox"/>	Mature pod: longitudinal shape	linear to curved	linear to curved	linear to curved	linear to curved
<input type="checkbox"/>	Mature pod: shape in cross section	flattened margins	flattened margins	flattened margins	flattened margins
<input checked="" type="checkbox"/>	Mature pod: no. of seeds per pod	medium	medium	medium	many
<input checked="" type="checkbox"/>	Seed: length	short to medium	short to medium	long	very long
<input checked="" type="checkbox"/>	Seed: width	narrow to medium	narrow to medium	broad	very broad
<input type="checkbox"/>	Seed : colour of mature seed	medium brown	medium brown	medium brown	medium brown
<input type="checkbox"/>	Seed: shape	medium ovate	medium ovate	medium ovate	medium ovate
<input type="checkbox"/>	Seed: shape - cross section	flat	flat	flat	flat

### Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'JCU7'	'Bayamo'	'JCU1'	'CPI 38351'
<input type="checkbox"/>	Young stem: colour	green to red	green to red	green to red
<input type="checkbox"/>	Leaf: colour of gland on petiole	red	green-red	green-red
<input type="checkbox"/>	Mature green pod: colour where exposed to sunlight	59A	59A	59A
<input type="checkbox"/>	Leaf: colour of upper surface	137C	N137D	137C
<input type="checkbox"/>	Ripe pod: showing colour change with age	166A-187A	166A-187A	166A-187A
<input type="checkbox"/>	Seed: colour	166A-B	166A	166A-B
<input checked="" type="checkbox"/>	Mature stem: colour	59A	187B	187A
<input type="checkbox"/>	Leaf: diameter of petiole	medium to thick	thick	medium
<input type="checkbox"/>	Fruiting peduncle: diameter	thin to medium	medium	medium
<input type="checkbox"/>	Fruiting peduncle: colour where exposed to sunlight	green to red	green to red	green to red
<input type="checkbox"/>	Pod: seed valves in pod	seeds contiguous (touching)	seeds contiguous (touching)	seeds contiguous (touching)
<input type="checkbox"/>	Ripe pod: colour	mid-brown changing to dark brown with age	mid-brown changing to dark brown with age	mid-brown changing to dark brown with age

### Statistical Table

Organ/Plant Part: Context	'JCU7'	'Bayamo'	'JCU1'	'CPI 38351'
<input checked="" type="checkbox"/>	Plant: first flowering (days from sowing)			



Mean	81.60	78.90	96.00	88.30
Std. Deviation	5.05	3.53	1.50	2.83
Lsd/sig	3.90	ns	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Plant: height 108 days after sowing (cm)				
Mean	94.20	99.79	45.60	128.40
Std. Deviation	20.21	9.67	15.73	14.15
Lsd/sig	18.70	ns	P≤0.01	P≤0.01
<input type="checkbox"/> Plant: maximum diameter 108 days after sowing (cm)				
Mean	125.93	135.17	120.47	142.73
Std. Deviation	29.72	17.19	17.04	36.09
Lsd/sig	26.90	ns	ns	ns
<input checked="" type="checkbox"/> Stem: length of 10th internode (mm)				
Mean	28.60	29.93	24.20	22.13
Std. Deviation	3.80	3.76	3.79	3.65
Lsd/sig	3.50	ns	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Stem: diameter of 10th internode (mm)				
Mean	3.05	3.11	3.53	3.59
Std. Deviation	0.33	0.22	0.25	0.22
Lsd/sig	0.24	ns	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Leaf: length of central rachis (mm)				
Mean	40.88	37.80	29.18	50.33
Std. Deviation	3.72	7.97	4.29	9.03
Lsd/sig	5.03	ns	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Leaf: number of primary pinnae				
Mean	11.60	10.43	11.47	13.87
Std. Deviation	0.81	1.04	1.28	2.03
Lsd/sig	1.00	P≤0.01	ns	P≤0.01
<input checked="" type="checkbox"/> Leaf: maximum length of primary pinnae (mm)				
Mean	35.03	36.37	25.90	38.57
Std. Deviation	2.85	4.74	3.11	4.83
Lsd/sig	4.12	ns	P≤0.01	ns
<input checked="" type="checkbox"/> Leaf: number of pinnules on longest primary pinna				
Mean	52.00	49.83	43.93	54.80
Std. Deviation	4.36	5.81	3.98	6.12
Lsd/sig	3.40	ns	P≤0.01	ns
<input checked="" type="checkbox"/> Leaf: maximum pinnule length on longest primary pinna (mm)				
Mean	7.08	7.18	5.37	7.03
Std. Deviation	0.64	0.59	0.59	0.63
Lsd/sig	0.75	ns	P≤0.01	ns
<input type="checkbox"/> Leaf: maximum pinnule width on longest primary pinna				
Mean	1.37	1.44	1.24	1.45
Std. Deviation	0.20	0.20	0.18	0.20

Lsd/sig	0.25	ns	ns	ns
<input type="checkbox"/> Leaf: petiole length (mm)				
Mean	7.13	7.55	7.87	7.47
Std. Deviation	0.54	0.90	1.35	1.43
Lsd/sig	2.52	ns	ns	ns
<input type="checkbox"/> Leaf: petiole diameter (mm)				
Mean	1.03	1.02	0.81	1.26
Std. Deviation	0.15	0.16	0.09	0.20
Lsd/sig	0.17	ns	P<0.01	P<0.01
<input checked="" type="checkbox"/> Leaf: stipule length (mm)				
Mean	5.35	4.58	3.83	8.37
Std. Deviation	0.60	0.53	0.59	1.52
Lsd/sig	0.92	ns	P<0.01	P<0.01
<input type="checkbox"/> Inflorescence: peduncle length (mm)				
Mean	31.87	31.03	28.03	33.07
Std. Deviation	4.56	5.03	6.34	3.64
Lsd/sig	4.77	ns	ns	ns
<input type="checkbox"/> Inflorescence: peduncle diameter (mm)				
Mean	1.23	1.29	1.31	1.68
Std. Deviation	0.16	0.19	0.15	0.21
Lsd/sig	0.13	ns	ns	P<0.01
<input checked="" type="checkbox"/> Inflorescence: number of pods per inflorescence				
Mean	8.50	8.17	7.03	11.00
Std. Deviation	1.66	1.26	1.50	1.29
Lsd/sig	1.00	ns	P<0.01	P<0.01
<input checked="" type="checkbox"/> Pod: length (mm)				
Mean	74.90	77.00	61.83	86.07
Std. Deviation	4.37	5.09	3.81	4.04
Lsd/sig	4.10	ns	P<0.01	P<0.01
<input checked="" type="checkbox"/> Pod: maximum width (mm)				
Mean	3.52	3.73	4.61	3.80
Std. Deviation	0.20	0.27	0.29	0.24
Lsd/sig	0.18	P<0.01	P<0.01	P<0.01
<input checked="" type="checkbox"/> Pod: number of seeds per pod				
Mean	25.17	24.97	25.00	27.20
Std. Deviation	1.86	2.20	1.98	1.94
Lsd/sig	1.80	ns	ns	P<0.01

### **Prior Applications and Sales:**

Nil

Description: **Dr Donald S Loch**, Alexandra Hills QLD & **C.M. Zorin**, Birkdale, QLD

<b>Details of Application</b>	
<b>Application Number</b>	2016/362
<b>Variety Name</b>	'JCU9'
<b>Genus Species</b>	<i>Desmanthus pernambucanus</i>
<b>Common Name</b>	Desmanthus
<b>Accepted Date</b>	03 Jan 2017
<b>Applicant</b>	James Cook University, Townsville, QLD
<b>Agent</b>	Agrimix Pty Ltd, Eagle Farm, QLD
<b>Qualified Person</b>	Dr Donald S. Loch
<b>Details of Comparative Trial</b>	
<b>Location</b>	Birkdale, QLD, Australia
<b>Descriptor</b>	PBR DESM
<b>Period</b>	27 Dec 2016 – 30 Jun 2017
<b>Conditions</b>	Seed sown on 27 Dec 2016 in 20 mm diameter tubes (thinned to one seedling per tube); watered with a slurry of <i>Leucaena/Desmanthus</i> inoculant (CB3126) on 11 Jan 2017. Seedlings planted out on a red volcanic (krasnozem or ferrosol) soil on 2 Feb 2017; weed control by pendimethalin (Rifle 440) applied pre-planting on 29 Jan 2017; 313 kg/ha of blended fertiliser (N:P:K:S = 12.8:14.2:11.9:6.4) applied after planting on 12 Feb 2017 to give 40 kg N, 44 kg P, 37 kg K, and 20 kg S per hectare; supplementary trickle irrigation applied as required to maintain unstressed growth. Sprayed with chlorantraniliprole (5 Feb 2017) for grass blue butterfly control.
<b>Trial Design</b>	30 plants of each of 2 genotypes ('JCU9', CPI 40071) plus a second generation of 'JCU9' (not reported) and 5 D. leptophyllus genotypes arranged in 6 randomised blocks with 5 plants per plot in a single row along trickle irrigation lines; 0.8 m between plants in each plot and 1.6 m between plots in each row; 1.5 m between rows on trickle irrigation lines.
<b>Measurements</b>	Days to flowering determined progressively for each plant (6 Mar – 2 Apr 2017). Ratings of plant habit and branching and measurements of height and spread made on each individual plant on 13-14 Apr 2017 (107-108 days after sowing - weighted average 108 days). Measurements (one set per plant) made on stem internodes (20-21 Apr 2017), fully expanded leaves from nodes 10-15 together with inflorescences and pods (15-21 Jun 2017). Samples of ripe pods (one per plot) collected progressively as each genotype ripened during April-June 2014 to determine seed size after threshing, screening and removal of remaining light inert material using a Seedburo General Seed Blower. Analyses of variance (ANOVAs) conducted with Genstat Release 12.
<b>RHS Chart - edition</b>	2007
<b>Origin and Breeding</b>	

Seedling selection: 'JCU9' (putative parent: CPI 40071) is derived from an adventive population of *Desmanthus pernambucanus* growing at Goondaloo Creek, Townsville (QLD). When first observed over a decade ago (2006), this population was notable for its very vigorous leafy growth, multiple soft stems and good seed production. Seed was collected from one particularly vigorous plant and multiplied in Townsville and later Walkamin (QLD) where it was also culled to remove any morphological off-types. Concurrently, its high dry matter production was also confirmed at these sites. Observations at James Cook University (Townsville) regarding its palatability have shown that 'JCU9' is readily consumed by both cattle and goats. Breeder: Chris Gardiner (James Cook University, Townsville, 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/semi-erect
Stem	diameter	very thick
Leaf	pinnae	long
Seed	size	large

**Most Similar Varieties of Common Knowledge identified (VCK)**

Name	Comments
'CPI 40071'	putative parent for 'JCU9'

**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	'JCU9'	'CPI 40071'
<input type="checkbox"/> Plant: growth habit	semi-erect	semi-erect
<input type="checkbox"/> Plant: density	medium	medium
<input type="checkbox"/> Plant: height	very tall	very tall
<input type="checkbox"/> Plant: width	broad to very broad	broad to very broad
<input type="checkbox"/> Young stem: pubescence	absent	absent
<input type="checkbox"/> Young stem: colour	reddish green	reddish green
<input type="checkbox"/> Stem: thickness	very thick	very thick
<input checked="" type="checkbox"/> Leaf: length of primary rachis	very long	medium to long
<input checked="" type="checkbox"/> Leaf: no. of pairs of pinnae on primary rachis	few	very few
<input checked="" type="checkbox"/> Leaf: length of pinna	very long	long
<input type="checkbox"/> Leaf: number of leaflets per pinna	few	few
<input checked="" type="checkbox"/> Leaf: length of leaflet	very long	long
<input type="checkbox"/> Leaf: width of leaflet	very broad	broad to very broad
<input type="checkbox"/> Leaf: shape of leaflet	linear oblong	linear oblong

<input checked="" type="checkbox"/>	Leaf: length of petiole	long	very long
<input type="checkbox"/>	Leaf: shape of gland on petiole	orbicular	orbicular
<input type="checkbox"/>	Leaf: colour of gland on petiole	red	red
<input type="checkbox"/>	Leaf: size of gland on petiole	small to medium	small to medium
<input type="checkbox"/>	Leaf: petiole presence of anthocyanin	present	present
<input checked="" type="checkbox"/>	Stipule: length	very long	long
<input type="checkbox"/>	Inflorescence : peduncle length	very long	very long
<input type="checkbox"/>	Fruiting peduncle: No. of pods per peduncle	very few to few	very few to few
<input type="checkbox"/>	Mature pod: length	very long	very long
<input type="checkbox"/>	Mature pod: width	medium to broad	medium to broad
<input type="checkbox"/>	Mature pod: longitudinal shape	linear	linear
<input type="checkbox"/>	Mature pod: shape in cross section	flattened margins	flattened margins
<input type="checkbox"/>	Mature pod: no. of seeds per pod	very many	very many
<input type="checkbox"/>	Seed: length	very long	very long
<input type="checkbox"/>	Seed: width	very broad	very broad
<input type="checkbox"/>	Seed : colour of mature seed	dark brown	dark brown
<input type="checkbox"/>	Seed: shape	medium ovate	medium ovate
<input type="checkbox"/>	Seed: shape - cross section	flat	flat

<b>Characteristics Additional to the Descriptor/TG</b>		
<b>Organ/Plant Part: Context</b>	JCU9	CPI 40071
<input type="checkbox"/> Young stem: colour	green to red	green to red
<input type="checkbox"/> Leaf: colour of gland on petiole	red	red
<input type="checkbox"/> Mature green pod: colour where exposed to sunlight	183A	183A
<input type="checkbox"/> Leaf: colour of upper surface	137A-B	137B-C
<input type="checkbox"/> Ripe pod: showing colour change with age	N187A	N187A
<input type="checkbox"/> Seed: colour	200C	200C
<input type="checkbox"/> Mature stem: colour	183A-B	183A-B
<input type="checkbox"/> Leaf: diameter of petiole	medium to thick	medium
<input type="checkbox"/> Fruiting peduncle: diameter	medium	medium
<input type="checkbox"/> Fruiting peduncle: colour where exposed to sunlight	green to red	green to red
<input type="checkbox"/> Pod: seed valves in pod	seeds contiguous (touching)	seeds contiguous (touching)

<input type="checkbox"/> Ripe pod: colour	dark brown	dark brown
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**Statistical Table**

<b>Organ/Plant Part: Context</b>	JCU9	CPI 40071
<input type="checkbox"/> Plant: first flowering (days from sowing)		
Mean	75.90	78.20
Std. Deviation	3.27	5.99
Lsd/sig	3.90	ns
<input type="checkbox"/> Plant: height 108 days after sowing (cm)		
Mean	145.03	145.04
Std. Deviation	17.63	24.07
Lsd/sig	18.70	ns
<input type="checkbox"/> Plant: maximum diameter 108 days after sowing (cm)		
Mean	163.07	151.52
Std. Deviation	25.11	42.01
Lsd/sig	26.90	ns
<input type="checkbox"/> Stem: length of 10th internode (mm)		
Mean	35.60	36.50
Std. Deviation	5.59	4.27
Lsd/sig	3.50	ns
<input type="checkbox"/> Stem: diameter of 10th internode (mm)		
Mean	4.49	4.45
Std. Deviation	0.24	0.24
Lsd/sig		ns
<input checked="" type="checkbox"/> Leaf: length of central rachis (mm)		
Mean	53.07	40.30
Std. Deviation	6.07	5.70
Lsd/sig	5.03	P≤0.01
<input checked="" type="checkbox"/> Leaf: number of primary pinnae		
Mean	9.59	8.27
Std. Deviation	0.86	0.87
Lsd/sig	1.00	P≤0.01
<input checked="" type="checkbox"/> Leaf: maximum length of primary pinnae (mm)		
Mean	48.00	42.00
Std. Deviation	5.40	4.58
Lsd/sig	4.12	P≤0.01
<input type="checkbox"/> Leaf: number of pinnules on longest primary pinna		
Mean	39.79	39.40
Std. Deviation	3.03	2.74
Lsd/sig	3.40	ns
<input checked="" type="checkbox"/> Leaf: maximum pinnule length on longest primary pinna (mm)		
Mean	10.03	9.15

Std. Deviation	1.00	1.05
Lsd/sig	0.75	P≤0.01
<input type="checkbox"/> Leaf: maximum pinnule width on longest primary pinna (mm)		
Mean	2.48	2.38
Std. Deviation	0.31	0.28
Lsd/sig	0.25	ns
<input checked="" type="checkbox"/> Leaf: petiole length (mm)		
Mean	10.86	14.15
Std. Deviation	5.15	4.24
Lsd/sig	2.52	P≤0.01
<input type="checkbox"/> Leaf: petiole diameter (mm)		
Mean	1.11	0.91
Std. Deviation	0.14	0.15
Lsd/sig	0.17	P≤0.01
<input checked="" type="checkbox"/> Leaf: stipule length (mm)		
Mean	10.50	8.90
Std. Deviation	0.88	0.79
Lsd/sig	0.92	P≤0.01
<input type="checkbox"/> Inflorescence: peduncle length (mm)		
Mean	42.28	42.87
Std. Deviation	4.81	9.07
Lsd/sig	4.77	ns
<input type="checkbox"/> Inflorescence: peduncle diameter (mm)		
Mean	1.32	1.32
Std. Deviation	0.10	0.11
Lsd/sig	0.13	ns
<input type="checkbox"/> Inflorescence: number of pods per inflorescence		
Mean	6.72	6.53
Std. Deviation	0.91	1.17
Lsd/sig	1.00	ns
<input type="checkbox"/> Pod: length (mm)		
Mean	84.03	82.17
Std. Deviation	4.80	4.91
Lsd/sig	4.10	ns
<input type="checkbox"/> Pod: maximum width (mm)		
Mean	3.92	3.93
Std. Deviation	0.19	0.23
Lsd/sig	0.18	ns
<input type="checkbox"/> Pod: number of seeds per pod		
Mean	26.69	28.23
Std. Deviation	2.41	2.42
Lsd/sig	1.80	ns



<input type="checkbox"/> Pod: number of seeds per cm of pod		
Mean	3.53	3.43
Std. Deviation	0.19	0.16
Lsd/sig	0.16	ns
<input type="checkbox"/> Seed: mean seed weight		
Mean	5.43	5.49
Std. Deviation	0.22	0.11
Lsd/sig	0.27	ns

**Prior Applications and Sales:**

Nil

Description: **Dr Donald S Loch**, Alexandra Hills QLD & **C.M. Zorin**, Birkdale, QLD

<b>Details of Application</b>	
<b>Application Number</b>	2016/361
<b>Variety Name</b>	'JCU8'
<b>Genus Species</b>	<i>Desmanthus virgatus</i>
<b>Common Name</b>	Desmanthus
<b>Accepted Date</b>	19 Jan 2017
<b>Applicant</b>	James Cook University, Townsville, QLD
<b>Agent</b>	Agrimix Pty Ltd, Eagle Farm, QLD
<b>Qualified Person</b>	Dr Donald S. Loch
<b>Details of Comparative Trial</b>	
<b>Location</b>	Birkdale, QLD, Australia
<b>Descriptor</b>	PBR DESM
<b>Period</b>	27 Dec 2016 – 31 Jul 2017
<b>Conditions</b>	Seed sown on 27 Dec 2016 in 20 mm diameter tubes (thinned to one seedling per tube); watered with a slurry of <i>Leucaena/Desmanthus</i> inoculant (CB3126) on 11 Jan 2017. Seedlings planted out on a red volcanic (krasnozem or ferrosol) soil on 30 Jan 2017; weed control by pendimethalin (Rifle 440) applied pre-planting on 3 Feb 2017; 313 kg/ha of blended fertiliser (N:P:K:S = 12.8:14.2:11.9:6.4) applied after planting on 12 Feb 2017 to give 40 kg N, 44 kg P, 37 kg K, and 20 kg S per hectare; supplementary trickle irrigation applied as required to maintain unstressed growth. Sprayed with chlorantraniliprole (5 Feb 2017) for grass blue butterfly control.
<b>Trial Design</b>	30 plants of each of 7 cultivars and accessions ('JCU8', 'JCU2', 'JCU3', 'JCU5', 'Marc', 'Desse1601', CPI 91351) plus two additional treatments with second generation plants of 'JCU8' and 'Desse1601' (not reported) arranged in 6 randomised blocks with 5 plants per plot in a single row along trickle irrigation lines; 0.8 m between plants in each plot and 1.6 m between plots in each row; 1.5 m between rows on trickle irrigation lines.
<b>Measurements</b>	Days to flowering determined progressively for each plant (22 Feb – 4 Jun 2017). Ratings of plant habit and branching and measurements of height and spread made on each individual plant on 15 Apr 2017 (109 days after sowing). Measurements (one set per plant) made on stem internodes (19-20 Apr 2017), fully expanded leaves from nodes 10-15 together with inflorescences and pods (29 May - 25 Jun 2017). Samples of ripe pods (one per plot) collected progressively as each genotype ripened during April-July 2014 to determine seed size after threshing, screening and removal of remaining light inert material using a Seedburo General Seed Blower. Analyses of variance (ANOVAs) conducted with Genstat Release 12.
<b>RHS Chart - edition</b>	2007

**Origin and Breeding**

Seedling selection: A legume evaluation site was established on a grey cracking clay plain by T.J. Hall (Queensland Department of Primary Industries) at Milgarra Station in the Gulf of Carpentaria region about 1982. This site has long since been abandoned, but when inspected by the breeder some 28 years later in 2010, it was noted that a number of *Desmanthus* spp. accessions were still present and had persisted under grazing for almost three decades. ‘JCU8’ (putative parent: CPI 91351) was derived from a single *Desmanthus virgatus* plant found growing outside of the original trial area and selected because of its short erect growth habit and its good forage and seed production. Seed from that single-plant selection has multiplied and culled to remove any morphological off-types. In subsequent trials at 6 sites from Townsville through to Goondiwindi (QLD), ‘JCU8’ was among the highest performing group of *Desmanthus* genotypes, particularly for leafiness and bulk. Breeder: Chris Gardiner (James Cook University, Townsville, QLD).

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

# Organ/Plant Part	Context	
Plant	growth habit	medium to prostrate
Stem	diameter	small to medium
Pod	longitudinal shape	linear to curved
Seed	shape	ovate

**Most Similar Varieties of Common Knowledge identified (VCK)**

Name	Comments
‘CPI 91351’	
‘Marc’	
‘JCU2’	
‘JCU3’	
‘JCU5’	
‘Desse1601’	

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

<b>Organ/Plant Part: Context</b>	<b>'JCU8'</b>	<b>'Desse1601'</b>	<b>'JCU2'</b>	<b>'JCU3'</b>	<b>'JCU5'</b>	<b>'Marc'</b>	<b>'CPI 91351'</b>
<input checked="" type="checkbox"/> Plant: growth habit	semi-prostrate	semi-prostrate	semi-prostrate to intermediate	semi-prostrate	semi-prostrate	prostrate to semi-prostrate	prostrate
<input checked="" type="checkbox"/> Plant: density	dense	dense	dense	medium to dense	very dense	very sparse to sparse	dense
<input checked="" type="checkbox"/> Plant: height	medium	short to medium	medium to tall	medium	short	short	very short
<input checked="" type="checkbox"/> Plant: width	medium to broad	medium	medium to broad	broad to very broad	medium	narrow	medium to broad
<input type="checkbox"/> Young stem: pubescence	absent	absent	absent	absent	absent	absent	absent
<input checked="" type="checkbox"/> Young stem: colour	reddish green	reddish green	red	reddish green	reddish green	green	green
<input checked="" type="checkbox"/> Stem: thickness	medium	medium to thick	medium	thin to medium	thin to medium	thin	thin
<input checked="" type="checkbox"/> Leaf: length of primary rachis	medium	medium to long	medium to long	short	short	short	very short
<input checked="" type="checkbox"/> Leaf: no. of pairs of pinnae on primary rachis	many	very many	medium	few	many	very few to few	very few to few
<input checked="" type="checkbox"/> Leaf: length of pinna	short to medium	short	medium to long	long	very short to short	long to very long	short to medium
<input checked="" type="checkbox"/> Leaf: number of leaflets per pinna	few to medium	many	many	medium	medium	few	very few to few
<input checked="" type="checkbox"/> Leaf: length of leaflet	medium	short	long	long	short	long	long
<input checked="" type="checkbox"/> Leaf: width of leaflet	medium	very narrow to narrow	medium	broad	very narrow to narrow	very broad	broad

<input type="checkbox"/>	Leaf: shape of leaflet	linear oblong	linear oblong	linear oblong	linear oblong	linear oblong	linear oblong	linear oblong
<input checked="" type="checkbox"/>	Leaf: length of petiole	short to medium	long	medium	short to medium	very long	short	short to medium
<input type="checkbox"/>	Leaf: shape of gland on petiole	orbicular	orbicular	orbicular	orbicular	orbicular	orbicular	orbicular
<input type="checkbox"/>	Leaf: size of gland on petiole	very small to small	very small to small	small	small	small	small	very small to small
<input checked="" type="checkbox"/>	Leaf: petiole presence of anthocyanin	present	present	present	present	present	absent	present
<input checked="" type="checkbox"/>	Stipule: length	short	short to medium	long to very long	long	short	medium to long	very short to short
<input checked="" type="checkbox"/>	Inflorescence : peduncle length	long to very long	short to medium	long to very long	medium to long	very short to short	medium	long to very long
<input checked="" type="checkbox"/>	Fruiting peduncle: No. of pods per peduncle	many to very many	medium to many	very many	few	very few to few	medium	many to very many
<input checked="" type="checkbox"/>	Mature pod: length	short	very long	short to medium	long	medium	long	medium
<input checked="" type="checkbox"/>	Mature pod: width	very narrow	very broad	narrow	very narrow	broad	narrow	medium
<input type="checkbox"/>	Mature pod: longitudinal shape	linear to curved	linear to curved	linear to curved	linear to curved	linear to curved	linear to curved	linear to curved
<input checked="" type="checkbox"/>	Mature pod: shape in cross section	round	flattened margins	round	round	flattened margins	flattened margins	flattened margins
<input checked="" type="checkbox"/>	Mature pod: no. of seeds per pod	many	very few	medium	very many	medium	very many	many
<input checked="" type="checkbox"/>	Seed: length	medium	long to very long	medium to long	short	medium	very short to short	very long
<input checked="" type="checkbox"/>	Seed: width	medium	broad to very broad	medium to broad	narrow	medium to broad	very narrow to narrow	very broad

<input checked="" type="checkbox"/> Seed : colour of mature seed	medium brown	medium brown	medium brown	medium brown	medium brown	dark brown	medium brown
<input type="checkbox"/> Seed: shape	medium ovate	medium ovate	medium ovate	medium ovate	medium ovate	medium ovate	narrow ovate
<input checked="" type="checkbox"/> Seed: shape - cross section	rounded	flat	rounded	rounded	flat	rounded	flat

<b>Characteristics Additional to the Descriptor/TG</b>							
<b>Organ/Plant Part: Context</b>	<b>'JCU8'</b>	<b>'Desse1601'</b>	<b>'JCU2'</b>	<b>'JCU3'</b>	<b>'JCU5'</b>	<b>'Marc'</b>	<b>'CPI 91351'</b>
<input type="checkbox"/> Ripe pod: showing colour change with age	177A-200A	200A	177A-200B	177A-200B	166A-187A	177A-200A	N187A
<input type="checkbox"/> Young stem: colour	red	green to red	red	green to red	green to red	green	green
<input type="checkbox"/> Leaf: colour of gland on petiole	red	red	red	green-red	green-red	yellow green	red
<input type="checkbox"/> Mature green pod: colour where exposed to sunlight	59A	60A	59A	187B	187B	148C	187C
<input type="checkbox"/> Leaf: colour of upper surface	137B	137A-B	N137B	N137B	137A	137C	N137B
<input type="checkbox"/> Seed: colour	166A	166A	166A-B	166A-B	166B	200C	200B
<input type="checkbox"/> Mature stem: colour	59A	59A	183A	183A		146A	59B
<input type="checkbox"/> Leaf: diameter of petiole	medium to thick	thick	thick to very thick	medium to thick	very thin to thin	thick to very thick	thin to medium
<input type="checkbox"/> Fruiting peduncle: diameter	medium	medium	medium	medium	medium	very thin to thin	thin to medium
<input type="checkbox"/> Fruiting peduncle: colour where exposed to sunlight	green to red	green to red	green to red	green to red	green to red	green	green to red
<input type="checkbox"/> Pod: seed valves in pod	seeds	seeds	seeds	seeds	seeds	seeds	seeds

	contiguous (touching)	separated	contiguous (touching)	contiguous (touching)	contiguous (touching)	contiguous (touching)	contiguous (touching)
<input type="checkbox"/> Ripe pod: colour	mid-brown changing to dark brown with age	dark brown	mid-brown changing to dark brown with age	mid-brown changing to dark brown with age	mid-brown changing to dark brown with age	dark brown	dark brown

**Statistical Table**

Organ/Plant Part: Context	'JCU8'	'Desse1601'	'JCU2'	'JCU3'	'JCU5'	'Marc'	'CPI 91351'
<input checked="" type="checkbox"/> Plant: first flowering (days from sowing)							
Mean	76.40	113.20	70.90	71.50	95.80	67.90	81.40
Std. Deviation	6.37	14.66	7.88	3.37	0.80	4.73	4.49
Lsd/sig	6.10	P≤0.01	ns	ns	P≤0.01	P≤0.01	ns
<input checked="" type="checkbox"/> Plant: height 109 days after sowing (cm)							
Mean	51.28	23.33	66.86	61.41	39.88	41.07	7.40
Std. Deviation	18.16	19.07	21.40	10.99	14.09	14.60	2.62
Lsd/sig	15.90	P≤0.01	ns	ns	ns	ns	P≤0.01
<input checked="" type="checkbox"/> Plant: maximum diameter, mean 109 days after sowing (cm)							
Mean	178.41	160.67	178.69	211.59	119.19	166.75	152.97
Std. Deviation	29.43	41.92	38.55	24.50	16.29	16.12	35.31
Lsd/sig	33.10	ns	ns	P≤0.01	P≤0.01	ns	ns
<input checked="" type="checkbox"/> Stem: length of 10th internode (mm)							
Mean	27.07	32.53	27.07	32.30	22.80	29.57	26.87
Std. Deviation	4.22	4.84	3.55	3.50	3.16	3.35	4.07
Lsd/sig	3.50	P≤0.01	ns	P≤0.01	P≤0.01	ns	ns
<input checked="" type="checkbox"/> Stem: diameter of 10th internode (mm)							

Mean	3.52	3.65	3.57	3.46	3.37	2.83	3.31
Std. Deviation	0.22	0.17	0.27	0.17	0.16	0.32	0.28
Lsd/sig	0.22	ns	ns	ns	ns	P≤0.01	ns
☑ Leaf: length of central rachis (mm)							
Mean	29.57	34.55	30.62	27.63	25.25	27.13	23.75
Std. Deviation	3.54	3.88	3.51	3.00	3.45	3.29	3.00
Lsd/sig	2.92	P≤0.01	ns	ns	P≤0.01	ns	P≤0.01
☑ Leaf: number of primary pinnae							
Mean	10.80	14.00	9.83	8.40	10.53	7.50	7.93
Std. Deviation	1.24	1.17	0.65	0.81	1.17	0.82	0.64
Lsd/sig	0.90	P≤0.01	P≤0.01	P≤0.01	ns	P≤0.01	P≤0.01
☑ Leaf: maximum length of primary pinnae (mm)							
Mean	30.00	26.98	34.63	36.72	24.03	38.30	30.73
Std. Deviation	2.91	2.97	2.87	2.65	3.37	2.88	2.92
Lsd/sig	2.09	P≤0.01		P≤0.01	P≤0.01	P≤0.01	ns
☑ Leaf: number of pinnules on longest primary pinna							
Mean	38.53	44.07	44.27	40.60	40.20	36.40	36.67
Std. Deviation	2.83	3.58	3.39	2.88	3.50	3.04	3.12
Lsd/sig	2.50	P≤0.01	P≤0.01	ns	ns	P≤0.01	ns
☑ Leaf: maximum pinnule length on longest primary pinna (mm)							
Mean	6.82	5.10	7.70	7.97	5.53	7.65	7.68
Std. Deviation	0.71	0.48	0.81	0.78	0.76	0.71	0.90
Lsd/sig	0.60	P≤0.01	P≤0.01	P≤0.01	P≤0.01	P≤0.01	P≤0.01
☑ Leaf: maximum pinnule width on longest primary pinna (mm)							
Mean	1.56	1.24	1.50	1.73	1.22	2.31	1.70



Std. Deviation	0.19	0.17	0.19	0.22	0.23	0.24	0.24
Lsd/sig	0.17	P≤0.01	ns	P≤0.01	P≤0.01	P≤0.01	ns
<input checked="" type="checkbox"/> Leaf: petiole length (mm)							
Mean	3.68	6.05	4.40	3.77	7.62	3.47	3.92
Std. Deviation	0.38	0.85	0.56	0.55	1.92	0.54	0.47
Lsd/sig	0.92	P≤0.01	ns	ns	P≤0.01	ns	ns
<input type="checkbox"/> Leaf: petiole diameter (mm)							
Mean	1.25	1.02	1.38	1.28	0.75	1.39	1.24
Std. Deviation	0.17	0.08	0.14	0.17	0.10	0.17	0.13
Lsd/sig	0.11	P≤0.01	P≤0.01	ns	P≤0.01	P≤0.01	ns
<input checked="" type="checkbox"/> Leaf: stipule length (mm)							
Mean	5.87	6.82	8.13	7.38	5.02	6.45	4.75
Std. Deviation	1.05	0.48	0.71	0.54	0.43	0.97	0.63
Lsd/sig	0.88	P≤0.01	P≤0.01	P≤0.01	ns	ns	P≤0.01
<input checked="" type="checkbox"/> Inflorescence: peduncle length (mm)							
Mean	53.80	34.60	55.80	42.23	26.60	37.17	52.93
Std. Deviation	7.84	4.91	4.74	4.77	6.16	6.34	14.26
Lsd/sig	6.88	P≤0.01	ns	P≤0.01	P≤0.01	P≤0.01	ns
<input type="checkbox"/> Inflorescence: peduncle diameter (mm)							
Mean	1.37	1.32	1.32	1.33	1.31	1.08	1.26
Std. Deviation	0.15	0.11	0.15	0.20	0.13	0.09	0.18
Lsd/sig	0.13	ns	ns	ns	ns	P≤0.01	ns
<input checked="" type="checkbox"/> Inflorescence: number of pods per inflorescence							
Mean	11.23	10.47	13.47	7.23	6.57	9.20	10.77
Std. Deviation	2.54	1.41	3.27	1.41	0.94	2.28	2.85

Lsd/sig	1.30	ns	P≤0.01	P≤0.01	P≤0.01	P≤0.01	ns
<input checked="" type="checkbox"/> Pod: length (mm)							
Mean	51.77	74.00	52.30	66.60	54.13	60.30	56.13
Std. Deviation	2.87	3.40	4.64	9.31	3.78	3.28	3.93
Lsd/sig	4.30	P≤0.01	ns	P≤0.01	ns	P≤0.01	ns
<input checked="" type="checkbox"/> Pod: maximum width (mm)							
Mean	3.58	4.95	3.82	3.49	4.47	3.78	4.04
Std. Deviation	0.24	0.14	0.25	0.20	0.20	0.31	0.27
Lsd/sig	0.18	P≤0.01	P≤0.01	ns	P≤0.01	P≤0.01	P≤0.01
<input type="checkbox"/> Pod: number of seeds per pod							
Mean	24.00	17.70	21.07	27.07	21.83	27.30	25.50
Std. Deviation	2.18	1.12	2.43	2.78	1.51	1.78	2.49
Lsd/sig	1.80	P≤0.01	P≤0.01	P≤0.01	P≤0.01	P≤0.01	ns
<input checked="" type="checkbox"/> Pod: number of seeds per cm of pod							
Mean	4.63	2.39	4.03	4.10	4.04	4.53	4.54
Std. Deviation	0.31	0.14	0.36	0.43	0.28	0.21	0.32
Lsd/sig	0.27	P≤0.01	P≤0.01	P≤0.01	P≤0.01	ns	ns
<input checked="" type="checkbox"/> Seed: mean seed weight							
Mean	4.74	4.50	5.17	3.96	4.85	3.48	5.47
Std. Deviation	0.11	0.13	0.15	0.13	0.14	0.12	0.13
Lsd/sig	0.21	P≤0.01	P≤0.01	P≤0.01	ns	P≤0.01	P≤0.01

**Prior Applications and Sales:**

Nil

Description: **Dr Donald S Loch**, Alexandra Hills QLD & **C.M. Zorin**, Birkdale, QLD.

<b>Details of Application</b>	
<b>Application Number</b>	2016/303
<b>Variety Name</b>	'Desse1601'
<b>Genus Species</b>	<i>Desmanthus virgatus</i>
<b>Common Name</b>	Desmanthus
<b>Accepted Date</b>	09 Nov 2016
<b>Applicant</b>	Seed Producers Australia Pty Ltd (trading as R.B. Dessert Seed Co.), Kununurra, WA
<b>Qualified Person</b>	Dr Donald S. Loch
<b>Details of Comparative Trial</b>	
<b>Location</b>	Birkdale, QLD, Australia (latitude 27°30'S, longitude 153°14'E, elevation 18 masl)
<b>Descriptor</b>	PBR DESM
<b>Period</b>	27 Dec 2016 – 31 Jul 2017
<b>Conditions</b>	Seed sown on 27 Dec 2016 in 20 mm diameter tubes (thinned to one seedling per tube); watered with a slurry of <i>Leucaena/Desmanthus</i> inoculant (CB3126) on 11 Jan 2017. Seedlings planted out on a red volcanic (krasnozem or ferrosol) soil on 30 Jan 2017; weed control by pendimethalin (Rifle 440) applied pre-planting on 3 Feb 2017; 313 kg/ha of blended fertiliser (N:P:K:S = 12.8:14.2:11.9:6.4) applied after planting on 12 Feb 2017 to give 40 kg N, 44 kg P, 37 kg K, and 20 kg S per hectare; supplementary trickle irrigation applied as required to maintain unstressed growth. Sprayed with chlorantraniliprole (5 Feb 2017) for grass blue butterfly control.
<b>Trial Design</b>	30 plants of each of 3 cultivars ('Desse1601', 'JCU3', 'JCU5') plus six additional treatments not reported ('JCU2', 'Marc', CPI 91351, two generations of 'JCU8' and a second generation of 'Desse1601') arranged in 6 randomised blocks with 5 plants per plot in a single row along trickle irrigation lines; 0.8 m between plants in each plot and 1.6 m between plots in each row; 1.5 m between rows on trickle irrigation lines.
<b>Measurements</b>	Days to flowering determined progressively for each plant (22 Feb – 4 Jun 2017). Ratings of plant habit and branching and measurements of height and spread made on each individual plant on 15 Apr 2017 (109 days after sowing). Measurements (one set per plant) made on stem internodes (19-20 Apr 2017), fully expanded leaves from nodes 10-15 together with inflorescences and pods (29 May - 25 Jun 2017). Samples of ripe pods (one per plot) collected progressively as each genotype ripened during April-July 2014 to determine seed size after threshing, screening and removal of remaining light inert material using a Seedburo General Seed Blower. Analyses of variance (ANOVAs) conducted with Genstat Release 12.
<b>RHS Chart - edition</b>	5th edition

<b>Origin and Breeding</b>		
Open Pollination: Seed of an accession of <i>Desmanthus virgatus</i> from an unnamed source was supplied by a commercial seed company to the breeders for seed increase in 1992 (approx.), but was ploughed out as it failed to flower and produce a seed crop. Two years later, a single flowering plant of <i>Desmanthus</i> was discovered growing on the edge of the original field. Seed from this plant was collected and stored until 1997 when it was planted near the first breeder's residence where the plants grew and seeded prolifically. This planting was subjected to regular low mowing (c. 25 mm) along with the adjacent lawn. Some plants thrived while others died out under this mowing regime and weak plants were culled. Seed from the vigorous surviving plants was collected and sown in a new area, which was again subjected to the same regular low mowing regime and culling. This process of mass selection under mowing and re-sowing seed from the surviving plants was repeated twice more to increase tolerance of the overall population to mowing. The candidate variety was constituted from seed harvested from surviving plants of the F4 generation, and over 3 subsequent generations has remained morphologically uniform and stable, and is tolerant of mowing while producing high dry matter yields for hay. Breeders: Raymond Dessert and Kalyn Fletcher (R.B. Dessert Seed Co, Kununurra, WA)		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Plant	growth habit	semi-prostrate
Mature stem	intensity of anthocyanin coloration	medium
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
'JCU3'	Released cultivar (PBR application no: 2011/147; granted 1 Sep 2016; Certificate No: 5261	
'JCU5'	Released cultivar (PBR application no: 2011/143; granted 1 Sep 2016; Certificate No: 5257	

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

<b>Organ/Plant Part: Context</b>	<b>'Desse1601'</b>	<b>'JCU3'</b>	<b>'JCU5'</b>
<input type="checkbox"/> Plant: growth habit	semi-prostrate	semi-prostrate	semi-prostrate
<input type="checkbox"/> Plant: density	dense	medium to dense	very dense
<input checked="" type="checkbox"/> Plant: height	short	medium to tall	short to medium
<input type="checkbox"/> Plant: width	medium	broad to very broad	medium
<input type="checkbox"/> Young stem: pubescence	absent	absent	absent
<input type="checkbox"/> Young stem: colour	reddish green	reddish green	reddish green
<input checked="" type="checkbox"/> Stem: thickness	medium to thick	thin to medium	thin

<input checked="" type="checkbox"/>	Leaf: length of primary rachis	medium to long	short	short
<input checked="" type="checkbox"/>	Leaf: no. of pairs of pinnae on primary rachis	very many	few	many
<input checked="" type="checkbox"/>	Leaf: length of pinna	short	long	very short to short
<input checked="" type="checkbox"/>	Leaf: number of leaflets per pinna	many	medium	medium
<input checked="" type="checkbox"/>	Leaf: length of leaflet	short	long	short
<input checked="" type="checkbox"/>	Leaf: width of leaflet	very narrow to narrow	broad	very narrow to narrow
<input type="checkbox"/>	Leaf: shape of leaflet	linear oblong	linear oblong	linear oblong
<input checked="" type="checkbox"/>	Leaf: length of petiole	long	short to medium	very long
<input checked="" type="checkbox"/>	Leaf: shape of gland on petiole	orbicular	elliptic	orbicular
<input type="checkbox"/>	Leaf: size of gland on petiole	very small to small	small	small
<input type="checkbox"/>	Leaf: petiole presence of anthocyanin	present	present	present
<input checked="" type="checkbox"/>	Stipule: length	medium	long	short
<input checked="" type="checkbox"/>	Inflorescence: peduncle length	short to medium	medium to long	very short to short
<input checked="" type="checkbox"/>	Fruiting peduncle: no. of pods per peduncle	medium to many	few	very few to few
<input checked="" type="checkbox"/>	Mature pod: length	very long	long	medium
<input checked="" type="checkbox"/>	Mature pod: width	very broad	very narrow	broad
<input type="checkbox"/>	Mature pod: longitudinal shape	linear to curved	linear to curved	linear to curved
<input checked="" type="checkbox"/>	Mature pod: shape in cross section	flattened margins	round	flattened margins
<input checked="" type="checkbox"/>	Mature pod: no. of seeds per pod	very few	very many	medium
<input checked="" type="checkbox"/>	Seed: length	long to very long	short	medium
<input checked="" type="checkbox"/>	Seed: width	broad to very broad	narrow	medium to broad
<input type="checkbox"/>	Seed: colour of mature seed	medium brown	medium brown	medium brown
<input type="checkbox"/>	Seed: shape	medium ovate	medium ovate	broad ovate
<input checked="" type="checkbox"/>	Seed: shape - cross section	flat	rounded	flat

<b>Characteristics Additional to the Descriptor/TG</b>			
<b>Organ/Plant Part: Context</b>	<b>'Desse1601'</b>	<b>'JCU3'</b>	<b>'JCU5'</b>
<input type="checkbox"/> Ripe pod: showing colour change with age	200A	177A-200B	166A-187A
<input type="checkbox"/> Young stem: colour	green to red	green to red	green to red

<input checked="" type="checkbox"/> Leaf: colour of gland on petiole	red	green-red	red
<input checked="" type="checkbox"/> Mature green pod: colour where exposed to sunlight	60A	59A	187B
<input type="checkbox"/> Leaf: colour of upper surface	137A-B	N137B	137A
<input type="checkbox"/> Seed: colour	166A	166A-B	166B
<input type="checkbox"/> Mature stem: intensity of anthocyanin coloration	medium	weak to medium	medium to high
<input checked="" type="checkbox"/> Mature stem: colour	59A	183A	187B
<input checked="" type="checkbox"/> Leaf: diameter of petiole	thick	medium to thick	very thin to thin
<input type="checkbox"/> Fruiting peduncle: diameter	medium	medium	medium
<input type="checkbox"/> Fruiting peduncle: colour where exposed to sunlight	green to red	green to red	green to red
<input checked="" type="checkbox"/> Pod: seed valves in pod	seeds separated	seeds contiguous (touching)	seeds contiguous (touching)
<input type="checkbox"/> Ripe pod: colour	dark brown	mid-brown changing to dark brown with age	mid-brown changing to dark brown with age

**Statistical Table**

<b>Organ/Plant Part: Context</b>	<b>'Desse1601'</b>	<b>'JCU3'</b>	<b>'JCU5'</b>
<input type="checkbox"/> Plant: first flowering (days from sowing)			
Mean	109.00	71.50	95.80
Std. Deviation	11.54	3.37	0.80
LSD/sig	6.10	P<0.01	P<0.01
<input checked="" type="checkbox"/> Plant: height (109 days after sowing) (cm)			
Mean	29.68	61.41	39.88
Std. Deviation	16.09	11.00	14.09
LSD/sig	15.90	P<0.01	ns
<input checked="" type="checkbox"/> Plant: maximum diameter (mean 109 days after sowing) (cm)			
Mean	160.67	211.59	119.19
Std. Deviation	41.92	24.50	16.29
LSD/sig	33.10	P<0.01	P<0.01
<input checked="" type="checkbox"/> Stem: length of 10th internode (mm)			
Mean	32.53	32.30	22.80
Std. Deviation	4.84	3.50	3.16
LSD/sig	3.50	ns	P<0.01
<input checked="" type="checkbox"/> Stem: diameter of 10th internode (mm)			
Mean	3.65	3.46	3.37
Std. Deviation	0.17	0.17	0.16
LSD/sig	0.22	ns	P<0.01
<input checked="" type="checkbox"/> Leaf: length of central rachis (mm)			

Mean	34.55	27.63	25.25
Std. Deviation	3.88	3.00	3.45
LSD/sig	2.92	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Leaf: number of primary pinnae			
Mean	14.00	8.40	10.53
Std. Deviation	1.17	0.81	1.17
LSD/sig	0.90	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Leaf: maximum length of primary pinnae			
Mean	26.98	36.72	24.03
Std. Deviation	2.97	2.65	3.37
LSD/sig	2.09	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Leaf: number of pinnules on longest primary pinna			
Mean	44.07	40.60	40.20
Std. Deviation	3.58	2.88	3.50
LSD/sig	2.50	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Leaf: maximum pinnule length on longest primary pinna (mm)			
Mean	5.10	7.97	5.53
Std. Deviation	0.48	0.78	0.76
LSD/sig	0.60	P≤0.01	ns
<input checked="" type="checkbox"/> Leaf: maximum pinnule width on longest primary pinna (mm)			
Mean	1.24	1.73	1.22
Std. Deviation	0.17	0.22	0.23
LSD/sig	0.17	P≤0.01	ns
<input checked="" type="checkbox"/> Leaf: petiole length (mm)			
Mean	6.05	3.77	7.62
Std. Deviation	0.85	0.55	1.92
LSD/sig	0.92	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Leaf: petiole diameter (mm)			
Mean	1.02	1.28	0.75
Std. Deviation	0.08	0.17	0.10
LSD/sig	0.11	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Leaf: stipule length (mm)			
Mean	6.82	7.38	5.02
Std. Deviation	0.48	0.54	0.43
LSD/sig	0.88	ns	P≤0.01
<input checked="" type="checkbox"/> Inflorescence: peduncle length (mm)			
Mean	34.60	42.23	26.60
Std. Deviation	4.91	4.77	6.16
LSD/sig	6.88	P≤0.01	P≤0.01
<input type="checkbox"/> Inflorescence: peduncle diameter (mm)			
Mean	1.32	1.33	1.31
Std. Deviation	0.11	0.20	0.13



LSD/sig	0.13	ns	ns
☑ Inflorescence: number of pods per inflorescence			
Mean	10.47	7.23	6.57
Std. Deviation	1.41	1.41	0.96
LSD/sig	1.30	P≤0.01	P≤0.01
☑ Pod: length (mm)			
Mean	74.00	66.60	54.13
Std. Deviation	3.40	9.31	3.78
LSD/sig	4.30	P≤0.01	P≤0.01
☑ Pod: maximum width (mm)			
Mean	4.95	3.49	4.47
Std. Deviation	0.14	0.20	0.20
LSD/sig	0.18	P≤0.01	P≤0.01
☑ Pod: number of seeds per pod			
Mean	17.70	27.07	21.83
Std. Deviation	1.12	2.78	1.51
LSD/sig	1.80	P≤0.01	P≤0.01
☑ Pod: number of seeds per cm of pod			
Mean	2.39	4.10	4.04
Std. Deviation	0.14	0.43	0.28
LSD/sig	0.27	P≤0.01	P≤0.01
☑ Seed: mean seed weight (mg)			
Mean	4.50	3.96	4.85
Std. Deviation	0.13	0.13	0.14
LSD/sig	0.21	P≤0.01	ns

### **Prior Applications and Sales:**

Nil

Description: **D.S. Loch**, Alexandra Hills, QLD & **C.M. Zorin**, Birkdale, QLD

<b>Details of Application</b>	
<b>Application Number</b>	2017/262
<b>Variety Name</b>	'DBA Artemis'
<b>Genus Species</b>	<i>Triticum turgidum</i> subsp <i>durum</i>
<b>Common Name</b>	Durum Wheat
<b>Synonym</b>	Artemis
<b>Accepted Date</b>	23 Feb 2018
<b>Applicant</b>	The University of Adelaide, Adelaide, South Australia; Grains Research and Development Corporation (GRDC), Kingston, ACT, Australia
<b>Agent</b>	
<b>Qualified Person</b>	Amanda Box
<b>Details of Comparative Trial</b>	
<b>Location</b>	Roseworthy Campus, South Australia
<b>Descriptor</b>	Durum wheat ( <i>Triticum durum</i> ) TG/120/3
<b>Period</b>	2017/18
<b>Conditions</b>	A comparative trial was sown on the Roseworthy Campus, The University of Adelaide on 9th May 2017, together with 100kg DAP/ha. The area had been sown to lentils in 2016. Herbicides Roundup (2.5l/ha), Striker (100ml/ha), and Jetti Duo (1.8l/ha) were applied pre-seeding for weed control. Post-seeding weed control was achieved by spraying Boxer Gold (2.5l/ha), MCPA LVE (700ml/ha), Lontrel Advanced (75ml/ha), and Mandate (85ml/ha). Growing season rainfall was below average, but well below average for the period heading to anthesis and this affected grain filling. Post-anthesis weather was mild with a very dry period followed by good rainfall. The trial was disease free. A similar trial was sown at Mallala, SA. All observations and measurements were recorded on the Roseworthy trial.
<b>Trial Design</b>	Randomised Block Design of three blocks. Each block consisted of 3 plots across 12 ranges. Plots were 6 rows wide x 4m long and contained approximately 1200 plants.
<b>Measurements</b>	Quantitative characters were measured on 15 to 20 randomly selected plants, taking the primary tillers from each plot. Statistical analyses were done using GenStat 15 for ANOVA and t-test and presented for Roseworthy Campus trial.
<b>RHS Chart - edition</b>	NA
<b>Origin and Breeding</b>	
Controlled pollination: The origin of DBA Artemis is from the combination of two fixed lines. The first (maternal parent) of these is Menshia54/2*Kalka///Worrakatta//Tamaroi/Kalka///Kalka/Tamaroi, which was crossed to the paternal parent Kalka*4/Tamaroi. The F1 seeds were planted were planted in 2007 and F2 seeds harvested. From the F2 generation, there were 33 selections made and sown in 2008. Of the 33	

selections, 10 progressed to the 2009 season. From here selection number 8 was taken further and re-selections were made. From this reselection, 16 lines were grown in 2010 of which selection number 12 was selected and designated as UAD1154197, and taken through the Stage 3 and Stage 4 trial network; culminating in >44 Advanced Yield Trials (AYT) during the period 2012 and 2017 for evaluation purposes. The pedigree of DBA Artemis is Menshia54/2\*Kalka///Worakatta//Tamaroi/Kalka///Kalka/Tamaroi////Kalka\*4/Tamaroi. This is otherwise notated as (M54\*LY#)\*(WkTmK\*KTm)\*(KkKDWD02)/8/12. Breeder: The University of Adelaide, Adelaide, South Australia.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	seasonal type	spring
Flag leaf	anthocyanin colouration of auricles	absent or very weak
Ear	distribution of awns	fully awned
Ear	length of awns at tip relative to length of ear	longer

**Most Similar Varieties of Common Knowledge identified (VCK)**

Name	Comments
'DBA Aurora'	
'Kalka'	

**Varieties of Common Knowledge identified and subsequently excluded**

Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Hyperno'	Awn	colour	white	brown	
'Tamaroi'	Awn	colour	white	black	

**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	'DBA Artemis'	'DBA Aurora'	'Kalka'
<input type="checkbox"/> *Plant: growth habit	semi-erect	semi-erect	semi-erect
<input checked="" type="checkbox"/> Plants: frequency of plants with recurved flag leaves	low	low	medium
<input checked="" type="checkbox"/> *Time of: ear emergence	medium	medium	early
<input checked="" type="checkbox"/> *Flag leaf: glaucosity of sheath	weak	weak	medium to strong

<input checked="" type="checkbox"/> *Flag leaf: glaucosity of blade	medium	medium	medium to strong
<input type="checkbox"/> Awn: anthocyanin colouration	absent or very weak	absent or very weak	absent or very weak
<input checked="" type="checkbox"/> Culm: hairiness of uppermost node	very strong	very strong	absent or very weak
<input checked="" type="checkbox"/> *Culm: glaucosity of neck	weak	weak	medium to strong
<input checked="" type="checkbox"/> *Ear: glaucosity	weak	weak	medium
<input type="checkbox"/> *Plant: length	medium	medium	medium
<input type="checkbox"/> Ear: distribution of awns	whole length	whole length	whole length
<input type="checkbox"/> *Awns at tip of ear: length in relation to ear	longer	longer	shorter
<input checked="" type="checkbox"/> Lower glume: shape	strongly elongated	strongly elongated	elongated
<input type="checkbox"/> Lower glume: shape of shoulder	straight	straight	straight
<input checked="" type="checkbox"/> Lower glume: shoulder width	medium	medium	very narrow
<input type="checkbox"/> *Lower glume: length of beak	medium to long	medium to long	short
<input checked="" type="checkbox"/> Lower glume: shape of beak	moderately curved	moderately curved	slightly curved
<input type="checkbox"/> *Lower glume: hairiness on external surface	absent	absent	absent
<input type="checkbox"/> *Straw: pith in cross section	medium	medium	thin to medium
<input type="checkbox"/> *Awn: colour	whitish	whitish	whitish
<input type="checkbox"/> *Ear: length excluding awns	long	long	long
<input type="checkbox"/> *Ear: colour at maturity	white	white	white
<input type="checkbox"/> *Ear: density	lax to medium	lax to medium	medium
<input checked="" type="checkbox"/> Grain: shape	semi-elongated to elongated	semi-elongated to elongated	ovoid to semi-elongated
<input checked="" type="checkbox"/> Grain: length of brush hair in dorsal view	medium	medium	short
<input type="checkbox"/> *Grain: colouration with phenol	nil or very light	nil or very light	nil or very light
<input type="checkbox"/> *Season: type	spring type	spring type	spring type

<b>Statistical Table</b>			
<b>Organ/Plant Part: Context</b>	<b>'DBA Artemis'</b>	<b>'DBA Aurora'</b>	<b>'Kalka'</b>
<input checked="" type="checkbox"/> Plant: length			

Mean	78.61	77.32	82.63
Std. Deviation	2.02	2.22	1.76
Lsd/sig	0.765	ns	P≤0.01
<input checked="" type="checkbox"/> Ear: length (excluding awns)			
Mean	95.69	83.05	94.13
Std. Deviation	4.32	5.39	4.05
Lsd/sig	1.607	P≤0.01	ns
<input type="checkbox"/> Ear: length of awns at tip relative to length of ear (mm)			
Mean	106.70	113.90	123.30
Std. Deviation	5.01	7.64	6.71
Lsd/sig	2.157	P≤0.01	P≤0.01

**Prior Applications and Sales:**

No prior applications and sale.

Description: **Amanda Box**, Glen Osmond, SA 5064

<b>Details of Application</b>	
<b>Application Number</b>	2017/261
<b>Variety Name</b>	'DBA Spes'
<b>Genus Species</b>	<i>Triticum turgidum</i> subsp <i>durum</i>
<b>Common Name</b>	Durum Wheat
<b>Synonym</b>	Spes
<b>Accepted Date</b>	23 Feb 2018
<b>Applicant</b>	The University of Adelaide, Adelaide, South Australia; Grains Research and Development Corporation (GRDC), Kingston, ACT, Australia
<b>Agent</b>	
<b>Qualified Person</b>	Amanda Box
<b>Details of Comparative Trial</b>	
<b>Location</b>	Roseworthy Campus, South Australia
<b>Descriptor</b>	Durum wheat TG/120/3
<b>Period</b>	2017/18
<b>Conditions</b>	A comparative trial was sown on the Roseworthy Campus, The University of Adelaide on 9th May 2017, together with 100kg DAP/ha. The area had been sown to lentils in 2016. Herbicides Roundup (2.5l/ha), Striker (100ml/ha), and Jetti Duo (1.8l/ha) were applied pre-seeding for weed control. Post-seeding weed control was achieved by spraying Boxer Gold (2.5l/ha), MCPA LVE (700ml/ha), Lontrel Advanced (75ml/ha), and Mandate (85ml/ha). Growing season rainfall was below average, but well below average for the period heading to anthesis and this affected grain filling. Post-anthesis weather was mild with a very dry period followed by good rainfall. The trial was disease free. A similar trial was sown at Mallala, SA. All observations and measurements were recorded on the Roseworthy trial.
<b>Trial Design</b>	Randomised Block Design of three blocks. Each block consisted of 3 plots across 12 ranges. Plots were 6 rows wide x 4m long and contained approximately 1200 plants.
<b>Measurements</b>	Quantitative characters were measured on 15 to 20 randomly selected plants, taking the primary tillers from each plot. Statistical analyses were done using GenStat 15 for ANOVA and t-test and presented for Roseworthy Campus trial.
<b>RHS Chart - edition</b>	NA
<b>Origin and Breeding</b>	
Controlled pollination: The origin of DBA Spes is from the combination of two fixed lines. The first (maternal parent) of these is Menshia54/2*Kalka///Worrakatta//Tamaroi/Kalka///Kalka/Tamaroi, which was crossed to the paternal parent Kalka*4/Tamaroi. The F1 seeds were planted were planted in 2007 and F2 seeds harvested. From the F2 generation, there were 33 selections made and sown in 2008. Of the 33	

selections, 10 progressed to the 2009 season. From here selection number 8 was taken further and re-selections were made. From this reselection, 16 lines were grown in 2010 of which selection number 3 was selected and designated as UAD1154192, and taken through the Stage 3 and Stage 4 trial network; culminating in >44 Advanced Yield Trials (AYT) during the period 2012 and 2017 for evaluation purposes. The pedigree of DBA Spes is Menshia54/2\*Kalka///Worakatta//Tamaroi/Kalka///Kalka/Tamaroi/////Kalka\*4/Tamaroi. This is otherwise notated as (M54\*LY#)\*(WkTmK\*KTm)\*(KkKDWD02)/8/3. Breeder: The University of Adelaide, Adelaide, South Australia.

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

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	seasonal type	spring
Ear	distribution of awns	fully awned
Ear	length of awns at tip relative to length of ear	longer
Lower glume	hairiness of external surface	absent

**Most Similar Varieties of Common Knowledge identified (VCK)**

Name	Comments
'DBA Aurora'	
'Kalka'	

**Varieties of Common Knowledge identified and subsequently excluded**

Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Hyperno'	Awn	colour	white	brown	
'Tamaroi'	Awn	colour	white	black	

**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	'DBA Spes'	'DBA Aurora'	'Kalka'
<input type="checkbox"/> *Plant: growth habit	erect	semi-erect	semi-erect
<input checked="" type="checkbox"/> Plants: frequency of plants with recurved flag leaves	absent or very low	low	medium
<input checked="" type="checkbox"/> *Time of: ear emergence	medium	medium	early
<input checked="" type="checkbox"/> *Flag leaf: glaucosity of sheath	weak	weak	medium to strong

<input checked="" type="checkbox"/> *Flag leaf: glaucosity of blade	weak	medium	medium to strong
<input type="checkbox"/> Awn: anthocyanin colouration	absent or very weak	absent or very weak	absent or very weak
<input checked="" type="checkbox"/> Culm: hairiness of uppermost node	absent or very weak	very strong	absent or very weak
<input checked="" type="checkbox"/> *Culm: glaucosity of neck	medium	weak	medium to strong
<input checked="" type="checkbox"/> *Ear: glaucosity	medium to strong	weak	medium
<input checked="" type="checkbox"/> *Plant: length	short	medium	medium
<input type="checkbox"/> Ear: distribution of awns	whole length	whole length	whole length
<input type="checkbox"/> *Awns at tip of ear: length in relation to ear	longer	longer	shorter
<input checked="" type="checkbox"/> Lower glume: shape	ovoid to elongated	strongly elongated	elongated
<input checked="" type="checkbox"/> Lower glume: shape of shoulder	sloping	straight	straight
<input checked="" type="checkbox"/> Lower glume: shoulder width	narrow	medium	very narrow
<input type="checkbox"/> *Lower glume: length of beak	medium	medium to long	short
<input checked="" type="checkbox"/> Lower glume: shape of beak	slightly curved	moderately curved	slightly curved
<input type="checkbox"/> *Lower glume: hairiness on external surface	absent	absent	absent
<input type="checkbox"/> *Straw: pith in cross section	medium	medium	thin to medium
<input type="checkbox"/> *Awn: colour	whitish	whitish	whitish
<input checked="" type="checkbox"/> *Ear: length excluding awns	short	long	long
<input type="checkbox"/> *Ear: colour at maturity	white	white	white
<input checked="" type="checkbox"/> *Ear: density	medium to dense	lax to medium	medium
<input checked="" type="checkbox"/> Grain: shape	strongly elongated	semi-elongated to elongated	ovoid to semi-elongated
<input type="checkbox"/> Grain: length of brush hair in dorsal view	short to medium	medium	short
<input type="checkbox"/> *Grain: colouration with phenol	nil or very light	nil or very light	nil or very light
<input type="checkbox"/> *Season: type	spring type	spring type	spring type



<b>Statistical Table</b>			
<b>Organ/Plant Part: Context</b>	<b>'DBA Spes'</b>	<b>'DBA Aurora'</b>	<b>'Kalka'</b>
<input checked="" type="checkbox"/> <b>Plant: length</b>			
Mean	68.24	77.32	82.63
Std. Deviation	2.06	2.22	1.76
Lsd/sig	0.846	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> <b>Ear: length (excluding awns)</b>			
Mean	88.87	83.05	94.13
Std. Deviation	5.06	5.39	4.05
Lsd/sig	2.462	P≤0.01	P≤0.01
<input type="checkbox"/> <b>Ear: length of awns at tip relative to length of ear (mm)</b>			
Mean	117.70	113.90	123.30
Std. Deviation	10.77	7.64	6.71
Lsd/sig	4.060	ns	P≤0.01

**Prior Applications and Sales:**

No prior applications and sale.

Description: **Amanda Box**, Glen Osmond, SA 5064

<b>Details of Application</b>	
<b>Application Number</b>	2014/183
<b>Variety Name</b>	'DBA Lillaroi'
<b>Genus Species</b>	<i>Triticum turgidum</i> subsp. <i>durum</i>
<b>Common Name</b>	Durum Wheat
<b>Synonym</b>	Nil
<b>Accepted Date</b>	01 Sep 2014
<b>Applicant</b>	The Department of Primary Industries, an office of DTIRIS for and on behalf of the state of NSW, Orange, NSW and Grains Research and Development Corporation, Barton, ACT
<b>Agent</b>	N/A
<b>Qualified Person</b>	Gururaj Kadkol
<b>Details of Comparative Trial</b>	
<b>Location</b>	Tamworth Agricultural Institute, Calala, NSW, 2340
<b>Descriptor</b>	UPOV TG/120/3
<b>Period</b>	July 2017 - December, 2017
<b>Conditions</b>	The trial was sown under good moisture conditions. The crop grew well mainly on stored moisture as there was no significant rain during the period from germination to flag leaf emergence. Rain at the end of September produced good grain fill and satisfactory yield.
<b>Trial Design</b>	A randomised complete block design with three replicates was used. Plots were 3m long with 5 rows spaced 35 cm apart.
<b>Measurements</b>	Ten plants were randomly chosen from each plot for measurements
<b>RHS Chart - edition</b>	N/A
<b>Origin and Breeding</b>	
Controlled pollinations: 'DBA Lillaroi' was developed from a cross between 960273 and 980596 made in 2001 by Dr. Ray Hare. Both parents were breeding lines developed in the NSW DPI breeding program. Selections were made in F <sub>2</sub> rows for appearance, disease resistance, grain protein content, semolina yellow colour and dough quality. Selected lines were progressed as F <sub>2</sub> -derived F <sub>3</sub> bulks in a single row nursery. One selection from the F <sub>3</sub> nursery was designated as 241046 and was progressed to yield trials. The line was tested for yield and quality from 2005-2010. In 2011 the line was promoted to NVT testing. In 2014 the line was classified by Wheat Quality Australia as ADR. The line was approved for release by DBA and named 'DBA Lillaroi'. The first commercial crops were grown in 2016. Breeders: Drs. Gururaj Kadkol, Mike Sissons, Bertrand Collard and Ray Hare together with David Gulliford, Adam Perfrement, Sarah Kampe, Richard Morphett and Max Cloake, Department of Primary Industries, Tamworth, NSW.	

<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Lower glume	hairiness on external surface	absent
Straw	pith in cross section	thin
Awn	colour	whitish
Ear	colour at maturity	white
Season	type	spring type

**Most Similar Varieties of Common Knowledge identified (VCK)**

<b>Name</b>	<b>Comments</b>
‘Jandaroi’	an early maturing and high grain quality line. It is the most popular variety recognised for its ability to produce DR1 quality grain under most conditions.
‘Caparoi’	a medium maturing and high grain quality line. It is a major variety recognised for its higher yield potential, adaptation to dry conditions and lodging tolerance.

**Varieties of Common Knowledge identified and subsequently excluded**

<b>Variety</b>	<b>Distinguishing Characteristics</b>		<b>State of Expression in Candidate Variety</b>	<b>State of Expression in Comparator Variety</b>
‘Hyperno’	Awns	colour	white	black
‘DBA Aurora’	Grain	protein content	high	low
‘EGA Bellaroi’	Phenology	earliness	early to medium early	late

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

<b>Organ/Plant Part: Context</b>	<b>‘DBA Lillaroi’</b>	<b>‘Caparoi’</b>	<b>‘Jandaroi’</b>
<input type="checkbox"/> Coleoptile: anthocyanin colouration	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/> First leaf: anthocyanin colouration	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/> *Plant: growth habit	erect	erect	erect
<input type="checkbox"/> Plants: frequency of plants with recurved flag leaves	absent or very low	absent or very low	absent or very low
<input type="checkbox"/> *Time of: ear emergence	early to medium	medium	early
<input type="checkbox"/> *Flag leaf: glaucosity of sheath	strong	medium to strong	strong
<input type="checkbox"/> *Flag leaf: glaucosity of blade	medium	weak	medium

<input type="checkbox"/>	Awn: anthocyanin colouration	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/>	Culm: hairiness of uppermost node	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/>	*Culm: glaucosity of neck	strong	absent or very weak	absent or very weak
<input checked="" type="checkbox"/>	*Ear: glaucosity	strong	medium	medium
<input type="checkbox"/>	*Plant: length	medium	medium	short to medium
<input type="checkbox"/>	Ear: distribution of awns	whole length	whole length	whole length
<input type="checkbox"/>	*Awns at tip of ear: length in relation to ear	longer	longer	longer
<input type="checkbox"/>	Lower glume: shape	ovoid to elongated	-	-
<input type="checkbox"/>	Lower glume: shape of shoulder	straight	-	-
<input type="checkbox"/>	Lower glume: shoulder width	narrow	-	-
<input type="checkbox"/>	*Lower glume: length of beak	short	short	short to medium
<input type="checkbox"/>	Lower glume: shape of beak	slightly curved	-	-
<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"/>	*Awn: colour	whitish	whitish	whitish
<input type="checkbox"/>	*Ear: length excluding awns	medium	medium	medium
<input type="checkbox"/>	*Ear: colour at maturity	white	white	white
<input type="checkbox"/>	Ear: shape in profile view	tapering	tapering	tapering
<input checked="" type="checkbox"/>	*Ear: density	dense	medium	medium
<input type="checkbox"/>	Grain: shape	ovoid to semi-elongated	semi-elongated	ovoid to semi-elongated
<input type="checkbox"/>	Grain: length of brush hair in dorsal view	very short	very short	very short
<input type="checkbox"/>	*Season: type	spring type	spring type	spring type

<b>Statistical Table</b>			
<b>Organ/Plant Part: Context</b>	<b>'DBA Lillaroi'</b>	<b>'Caparoi'</b>	<b>'Jandaroi'</b>
<input checked="" type="checkbox"/> Ear : days to 50% ear emergence			
Mean	80.25	82.00	79.00
Std. Deviation	0.50	0.82	0.00
LSD/sig	1.1	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Flag leaf: length (cm)			

Mean	16.04	15.60	14.76
Std. Deviation	2.17	2.04	2.16
LSD/sig	1.21	ns	P≤0.01
<input type="checkbox"/> Flag leaf: width (mm)			
Mean	13.34	12.98	13.64
Std. Deviation	1.03	1.22	1.21
LSD/sig	0.66	ns	ns
<input checked="" type="checkbox"/> Ear: length including awn (cm)			
Mean	17.47	16.63	15.36
Std. Deviation	1.00	0.91	1.00
LSD/sig	0.55	P≤0.01	P≤0.01
<input type="checkbox"/> Ear: length excluding awn (cm)			
Mean	6.81	6.80	6.65
Std. Deviation	0.45	0.56	0.42
LSD/sig	0.30	ns	ns
<input checked="" type="checkbox"/> Ear: width (mm)			
Mean	13.36	13.74	11.77
Std. Deviation	0.60	0.83	0.86
LSD/sig	0.16	P≤0.01	P≤0.01
<input type="checkbox"/> Rachis: internode length (mm)			
Mean	3.03	2.93	3.08
Std. Deviation	0.24	0.25	0.26
LSD/sig	0.13	ns	ns
<input checked="" type="checkbox"/> Grain: length (mm)			
Mean	8.00	7.58	8.10
Std. Deviation	0.23	0.35	0.29
LSD/sig	0.16	P≤0.01	ns
<input checked="" type="checkbox"/> Grain: width (mm)			
Mean	3.40	3.40	3.28
Std. Deviation	0.11	0.15	0.17
LSD/sig	0.07	ns	P≤0.01
<input checked="" type="checkbox"/> Grain: 1000 grain weight (g)			
Mean	53.90	50.50	51.00
Std. Deviation	0.38	1.51	0.69
LSD/sig	2.49	ns	P≤0.01
<input checked="" type="checkbox"/> Grain: Screenings % (grain less than 1.8mm wide)			
Mean	1.85	1.25	0.95
Std. Deviation	0.10	0.23	0.16
LSD/sig	0.49	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Plant: height (cm)			
Mean	86.70	79.92	79.60
Std. Deviation	3.99	4.09	3.92
LSD/sig	2.28	P≤0.01	P≤0.01

## **Prior Applications and Sales**

Nil.

Description: **Gururaj Kadkol**, Tamworth Agricultural Institute, NSW DPI, Calala, NSW.

<b>Details of Application</b>		
<b>Application Number</b>	2016/378	
<b>Variety Name</b>	'DBA Vittaroi'	
<b>Genus Species</b>	<i>Triticum turgidum</i> var. <i>durum</i>	
<b>Common Name</b>	Durum Wheat	
<b>Synonym</b>	Nil	
<b>Accepted Date</b>	07 Feb 2017	
<b>Applicant</b>	The Department of Primary Industries, an office of DTIRIS for and on behalf of the state of NSW, Orange, NSW and Grains Research and Development Corporation, Barton, ACT	
<b>Agent</b>	N/A	
<b>Qualified Person</b>	Gururaj Kadkol	
<b>Details of Comparative Trial</b>		
<b>Location</b>	Tamworth Agricultural Institute, Calala, NSW, 2340	
<b>Descriptor</b>	UPOV TG/120/3	
<b>Period</b>	July 2017 - December, 2017	
<b>Conditions</b>	The trial was sown under good moisture conditions. The crop grew well mainly on stored moisture as there was no significant rain during the period from germination to flag leaf emergence. Rain at the end of September produced good grain fill and satisfactory yield.	
<b>Trial Design</b>	A randomised complete block design with three replicates was used. Plots were 3m long with 5 rows spaced 35 cm apart.	
<b>Measurements</b>	Ten plants were randomly chosen from each plot for measurements	
<b>RHS Chart - edition</b>	N/A	
<b>Origin and Breeding</b>		
Controlled Pollination: 'DBA Vittaroi' was developed from a cross between 200856 and 980990 made in 2005 by Dr. Ray Hare. Both parents are breeding lines developed in the NSW DPI breeding program. Selections were made in F <sub>2</sub> rows for appearance, disease resistance, grain protein content, semolina yellow colour and dough quality. Selected lines were progressed as F <sub>2</sub> -derived F <sub>3</sub> bulks in a single row nursery. One selection from the F <sub>3</sub> nursery was designated as 280913 and was progressed to yield trials. The line was tested for yield and quality from 2009-2011. The final selection criterion was lodging resistance. In 2012 the line was promoted to NVT testing. In 2016 the line was classified by Wheat Quality Australia as ADR. The line was approved for release by DBA and named 'DBA Vittaroi'. The first commercial crops were grown in 2017. Breeders: Dr. Gururaj Kadkol, Dr. Mike Sissons and Dr. Ray Hare, together with David Gulliford, Adam Perfrement, Sarah Kampe, Max Cloake, Richard Morphett and Rebecca Harley, Department of Primary Industries, Tamworth, NSW.		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Lower glume	hairiness on external	absent

	surface	
Straw	pith in cross section	thin
Awn	colour	whitish
Ear	colour at maturity	white
Season	type	spring type

### **Most Similar Varieties of Common Knowledge identified (VCK)**

<b>Name</b>	<b>Comments</b>
‘Jandaroi’	an early maturing and high grain quality line. It is the most popular variety recognised for its ability to produce DR1 quality grain under most conditions.
‘Caparoi’	a medium maturing and high grain quality line. It is a major variety recognised for its higher yield potential, adaptation to dry conditions and lodging tolerance.

### **Varieties of Common Knowledge identified and subsequently excluded**

<b>Variety</b>	<b>Distinguishing Characteristics</b>		<b>State of Expression in Candidate Variety</b>	<b>State of Expression in Comparator Variety</b>
‘Hyperno’	Awns	colour	white	black
‘DBA-Aurora’	Grain	protein content	high	low
‘EGA Bellaroi’	Phenology	earliness	early to medium early	late
‘DBA Lillaroi’	Culm	glaucosity of neck	medium	strong
‘DBA Bindaroi’	Culm	glaucosity of neck	medium	absent or very weak

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

<b>Organ/Plant Part: Context</b>	<b>‘DBA Vittaroi’</b>	<b>‘Caparoi’</b>	<b>‘Jandaroi’</b>
<input type="checkbox"/> Coleoptile: anthocyanin colouration	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/> First leaf: anthocyanin colouration	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/> *Plant: growth habit	erect	erect	erect
<input type="checkbox"/> Plants: frequency of plants with recurved flag leaves	absent or very low	absent or very low	absent or very low
<input type="checkbox"/> *Time of: ear emergence	early to medium	medium	early
<input type="checkbox"/> *Flag leaf: glaucosity of sheath	strong	medium to strong	strong
<input type="checkbox"/> *Flag leaf: glaucosity of blade	weak to medium	weak	medium
<input type="checkbox"/> Awn: anthocyanin	absent or very weak	absent or very weak	absent or very weak



colouration			
<input type="checkbox"/> Culm: hairiness of uppermost node	absent or very weak	absent or very weak	absent or very weak
<input checked="" type="checkbox"/> *Culm: glaucosity of neck	medium	absent or very weak	absent or very weak
<input type="checkbox"/> *Ear: glaucosity	medium to strong	medium	medium
<input checked="" type="checkbox"/> *Plant: length	short	medium	short to medium
<input type="checkbox"/> Ear: distribution of awns	whole length	whole length	whole length
<input type="checkbox"/> *Awns at tip of ear: length in relation to ear	longer	longer	longer
<input checked="" type="checkbox"/> *Lower glume: length of beak	short	short	medium
<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"/> *Awn: colour	whitish	whitish	whitish
<input type="checkbox"/> *Ear: length excluding awns	medium to long	medium	medium
<input type="checkbox"/> *Ear: colour at maturity	white	white	white
<input type="checkbox"/> Ear: shape in profile view	tapering	tapering	tapering
<input type="checkbox"/> *Ear: density	medium to dense	medium	medium
<input type="checkbox"/> Grain: shape	ovoid to semi-elongated	semi-elongated	ovoid to semi-elongated
<input type="checkbox"/> Grain: length of brush hair in dorsal view	very short	very short	very short
<input type="checkbox"/> *Season: type	spring type	spring type	spring type

<b>Statistical Table</b>			
<b>Organ/Plant Part: Context</b>	<b>‘DBA Vittaroi’</b>	<b>‘Caparoi’</b>	<b>‘Jandaroi’</b>
<input checked="" type="checkbox"/> Ear : days to 50% ear emergence			
Mean	80.80	82.00	79.00
Std. Deviation	0.50	0.82	0.00
LSD/sig	1.07	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Flag leaf: length (cm)			
Mean	17.80	15.61	14.76
Std. Deviation	2.34	2.04	2.16
LSD/sig	1.21	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Flag leaf: width (mm)			
Mean	14.50	12.98	13.65
Std. Deviation	1.33	1.22	1.21

LSD/sig	0.66	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Grain: length (mm)			
Mean	7.91	7.58	8.10
Std. Deviation	0.25	0.35	0.29
LSD/sig	0.16	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Grain: width (mm)			
Mean	3.58	3.40	3.28
Std. Deviation	0.09	0.15	0.17
LSD/sig	0.07	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Ear: length including awn (cm)			
Mean	15.80	16.63	15.35
Std. Deviation	0.90	0.91	1.00
LSD/sig	0.55	P≤0.01	ns
<input checked="" type="checkbox"/> Ear: length excluding awn (cm)			
Mean	7.46	6.80	6.65
Std. Deviation	0.57	0.56	0.42
LSD/sig	0.30	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Ear: width (mm)			
Mean	13.39	13.74	11.77
Std. Deviation	0.75	0.83	0.86
LSD/sig	0.16	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Plant: height (cm)			
Mean	69.70	79.92	79.63
Std. Deviation	4.01	4.09	3.92
LSD/sig	2.28	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Rachis: internode length (mm)			
Mean	3.17	2.93	3.08
Std. Deviation	0.22	0.25	0.26
LSD/sig	0.13	P≤0.01	ns
<input checked="" type="checkbox"/> Grain: Screenings % (grain less than 1.8mm wide)			
Mean	1.54	1.25	0.95
Std. Deviation	0.14	0.23	0.16
LSD/sig	0.49	ns	P≤0.01
<input type="checkbox"/> Grain: 1000 grain weight (g)			
Mean	51.80	50.50	51.00
Std. Deviation	1.24	1.51	0.69
LSD/sig	2.49	ns	ns

### **Prior Applications and Sales**

Nil.

Description: **Gururaj Kadkol**, Tamworth Agricultural Institute, NSW DPI, Calala, NSW.

<b>Details of Application</b>	
<b>Application Number</b>	2016/377
<b>Variety Name</b>	'DBA Bindaroi'
<b>Genus Species</b>	<i>Triticum turgidum</i> var. <i>durum</i>
<b>Common Name</b>	Durum Wheat
<b>Synonym</b>	Nil
<b>Accepted Date</b>	07 Feb 2017
<b>Applicant</b>	The Department of Primary Industries, an office of DTIRIS for and on behalf of the state of NSW, Orange, NSW and Grains Research and Development Corporation, Barton, ACT
<b>Agent</b>	N/A
<b>Qualified Person</b>	Gururaj Kadkol
<b>Details of Comparative Trial</b>	
<b>Location</b>	Tamworth Agricultural Institute, Calala, NSW, 2340
<b>Descriptor</b>	UPOV TG/120/3
<b>Period</b>	July 2017 - December, 2017
<b>Conditions</b>	The trial was sown under good moisture conditions. The crop grew well mainly on stored moisture as there was no significant rain during the period from germination to flag leaf emergence. Rain at the end of September produced good grain fill and satisfactory yield.
<b>Trial Design</b>	A randomised complete block design with three replicates was used. Plots were 3m long with 5 rows spaced 35 cm apart.
<b>Measurements</b>	Ten plants were randomly chosen from each plot for measurements
<b>RHS Chart - edition</b>	N/A
<b>Origin and Breeding</b>	
Controlled pollination: 'DBA Bindaroi' was developed from a cross between 200641 and 261102 made in 2007 by Dr. Ray Hare. Both the lines were developed within NSW DPI Durum breeding program. The female parent was released in 2009 as 'Caparoi'. Selections were made in F <sub>2</sub> rows for appearance, disease resistance, grain protein content, semolina yellow colour and dough quality. Selected lines were progressed as F <sub>2</sub> -derived F <sub>3</sub> bulks in a single row nursery. One selection from the F <sub>3</sub> nursery was designated as 190873 and was progressed to yield trials. The line was tested for yield and quality from 2010-2012. In 2013 the line was promoted to NVT testing. In 2015 the line was classified by Wheat Quality Australia as ADR. The line was approved for release and named 'DBA Bindaroi'. The first commercial crops will be grown in 2018. Breeders: Dr. Gururaj Kadkol, Dr. Mike Sissons and Dr. Ray Hare, together with David Gulliford, Adam Perfrement, Sarah Kampe, Max Cloake, Richard Morphett and Rebecca Harley, Department of Primary Industries, Tamworth, NSW.	

<b>Choice of Comparators</b> 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 glume	hairiness on external surface		absent	
Straw	pith in cross section		thin	
Awn	colour		whitish	
Ear	colour at maturity		White	
Season	type		spring type	
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>				
Name	Comments			
‘Caparoi’	a medium maturing and high grain quality line. It is a major variety recognised for its higher yield potential, adaptation to dry conditions and lodging tolerance. It is also the female parent of the candidate variety.			
‘Jandaroi’	an early maturing and high grain quality line. It was the most popular variety, until recently, recognised for its ability to produce DR1 quality grain under most conditions.			
<b>Varieties of Common Knowledge identified and subsequently excluded</b>				
Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety
‘Hyperno’	Awns	colour	white	black
‘DBA-Aurora’	Grain	protein content	high	low
‘EGA Bellaroi’	Phenology	earliness	early to medium early	late
‘DBA Lillaroi’	Culm	glaucosity of neck	absent or very weak	strong
‘DBA Vittaroi’	Culm	glaucosity of neck	absent or very weak	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	‘DBA Bindaroi’	‘Caparoi’	‘Jandaroi’
<input type="checkbox"/> Coleoptile: anthocyanin colouration	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/> First leaf: anthocyanin colouration	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/> *Plant: growth habit	erect	erect	erect
<input type="checkbox"/> Plants: 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	medium	early
<input checked="" type="checkbox"/> *Flag leaf: glaucosity of sheath	medium	medium to strong	strong
<input type="checkbox"/> *Flag leaf: glaucosity of blade	weak to medium	weak	medium
<input type="checkbox"/> Awn: anthocyanin colouration	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/> Culm: hairiness of uppermost node	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/> *Culm: glaucosity of neck	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/> *Ear: glaucosity	weak to medium	medium	medium
<input checked="" type="checkbox"/> *Plant: length	short to medium	medium	short to medium
<input type="checkbox"/> Ear: distribution of awns	whole length	whole length	whole length
<input type="checkbox"/> *Awns at tip of ear: length in relation to ear	longer	longer	longer
<input checked="" type="checkbox"/> *Lower glume: length of beak	short	short	medium
<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"/> *Awn: colour	whitish	whitish	whitish
<input type="checkbox"/> *Ear: length excluding awns	medium	medium	medium
<input type="checkbox"/> *Ear: colour at maturity	white	white	white
<input type="checkbox"/> Ear: shape in profile view	tapering	tapering	tapering
<input type="checkbox"/> *Ear: density	medium to dense	medium	medium
<input type="checkbox"/> Grain: shape	semi-elongated	semi-elongated	ovoid to semi-elongated
<input type="checkbox"/> Grain: length of brush hair in dorsal view	very short	very short	very short
<input type="checkbox"/> *Season: type	spring type	spring type	spring type

<b>Statistical Table</b>			
<b>Organ/Plant Part: Context</b>	<b>‘DBA Bindaroi’</b>	<b>‘Caparoi’</b>	<b>‘Jandaroi’</b>
<input checked="" type="checkbox"/> Ear : days to 50% ear emergence			
Mean	80.75	82.00	79.00
Std. Deviation	0.50	0.82	0.00
LSD/sig	1.07	P≤0.01	P≤0.01
<input type="checkbox"/> Flag leaf: length (cm)			
Mean	15.70	15.61	14.76
Std. Deviation	1.67	2.04	2.16

LSD/sig	1.21	ns	ns
<input type="checkbox"/> Flag leaf: width (mm)			
Mean	13.50	12.98	13.65
Std. Deviation	1.02	1.22	1.21
LSD/sig	0.66	ns	ns
<input checked="" type="checkbox"/> Grain: length (mm)			
Mean	7.73	7.58	8.10
Std. Deviation	0.28	0.35	0.29
LSD/sig	0.16	ns	P≤0.01
<input checked="" type="checkbox"/> Grain: width (mm)			
Mean	3.45	3.40	3.28
Std. Deviation	0.12	0.15	0.17
LSD/sig	0.07	ns	P≤0.01
<input checked="" type="checkbox"/> Ear: length including awn (cm)			
Mean	15.36	16.63	15.36
Std. Deviation	1.04	0.91	1.00
LSD/sig	0.55	P≤0.01	ns
<input type="checkbox"/> Ear: length excluding awn (cm)			
Mean	6.65	6.80	6.65
Std. Deviation	0.46	0.56	0.42
LSD/sig	0.30	ns	ns
<input checked="" type="checkbox"/> Ear: width (mm)			
Mean	13.97	13.74	11.77
Std. Deviation	0.75	0.83	0.86
LSD/sig	0.16	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Plant: height (cm)			
Mean	76.44	79.92	79.63
Std. Deviation	3.29	4.09	3.92
LSD/sig	2.28	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Rachis: internode length (mm)			
Mean	2.93	2.93	3.08
Std. Deviation	0.23	0.25	0.26
LSD/sig	0.13	ns	P≤0.01
<input checked="" type="checkbox"/> Grain: Screenings % (grain less than 1.8mm wide)			
Mean	1.52	1.25	0.95
Std. Deviation	0.14	0.23	0.16
LSD/sig	0.49	ns	P≤0.01
<input type="checkbox"/> Grain: 1000 grain weight (g)			
Mean	51.00	50.50	51.00
Std. Deviation	1.06	1.51	0.69
LSD/sig	2.49	ns	ns

### **Prior Applications and Sales**

Nil.

Description: **Gururaj Kadkol**, Tamworth Agricultural Institute, NSW DPI, Calala, NSW.

<b>Details of Application</b>		
<b>Application Number</b>	2017/324	
<b>Variety Name</b>	'PBA Butler'	
<b>Genus Species</b>	<i>Pisum sativum</i>	
<b>Common Name</b>	Field Pea	
<b>Synonym</b>	Nil	
<b>Accepted Date</b>	12 Dec 2017	
<b>Applicant</b>	Agriculture Victoria Services, Atwood, VIC. Grains Research and Development Corporation, Barton, ACT.	
<b>Agent</b>	Agriculture Victoria Services, Atwood, VIC.	
<b>Qualified Person</b>	Babu Ram Pandey	
<b>Details of Comparative Trial</b>		
<b>Location</b>	Horsham, VIC	
<b>Descriptor</b>	TG/7/10 Rev.	
<b>Period</b>	July to Nov 2017	
<b>Conditions</b>	Normal growing season, winter	
<b>Trial Design</b>	Randomized complete block design with 3 replications	
<b>Measurements</b>	Plant height, Number of nodes to the first flower, Stipule length, Stipule width	
<b>RHS Chart - edition</b>	RHS	
<b>Origin and Breeding</b>		
<p>Controlled pollination: 'PBA Butler' (breeding name 04-057P-05HO2003) was bred at Department of Economic Development, Jobs, Transport and Resources (DEDJTR), Horsham. 'PBA Butler' was identified by the Pulse Breeding Australia (PBA) field pea breeding team from a targeted crossing and selection program to improve yield and disease resistance. Cross was made in 2004 (04-057) between an early flowering variety 'Snowpeak' and a breeding line 97-015-02 in glasshouse in a normal season (winter). F1 hybrid seed was grown in 2005 summer to multiply seed and advance a generation. The F2 seeds were harvested in a bulk and the population was sown in the field with wider spacing than normal in the 2005 winter. Ten plants were harvested from the F2 population based on number of pods, flowering time, plant vigour, maturity, pod type etc. Single plant progenies were sown as paired rows in 2006. Best rows were harvested and evaluated in a preliminary yield trial in the following year. The best performing lines were advanced to multi-location yield trails (stage 1 to stage 3) in subsequent years. The lines were also screened for abiotic and biotic stresses. The line was renamed as OZP1101 in 2011 and was tested in National Variety Trials for five years. Seed increase was commenced in 2016 for variety release from 200 lines derived from single plants. 'PBA Butler' has similar traits as varieties 'Kaspa' and 'PBA Gunyah' such as semi-leafless, semi-dwarf, pink flowers, non-shattering pod and spherical seed. 'PBA Butler' is taller than 'Kaspa' and 'PBA Gunyah' and has significantly improved disease resistance particularly bacterial blight. Propagation: seed. Breeders: Babu Pandey, Garry Rosewarne and Tony Leonforte, DEDJTR-Horsham, VIC.</p>		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Flower	colour	pink
Leaf	leaflets	absent



Stem	internode length	short
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
'PBA Gunyah'	'PBA Gunyah' is one of the most popular field pea variety grown in Australia.	
'Kaspa'	'Kaspa' is one of the most popular field pea variety in Australia	

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

<b>Organ/Plant Part: Context</b>	<b>'PBA Butler'</b>	<b>'Kaspa'</b>	<b>'PBA Gunyah'</b>
<input type="checkbox"/> *Plant: anthocyanin colouration	present	present	present
<input type="checkbox"/> Stem: anthocyanin coloration of axil	single ring	single ring	single ring
<input type="checkbox"/> *Stem: fasciation	absent	absent	absent
<input checked="" type="checkbox"/> *Stem: length	long	medium	medium
<input type="checkbox"/> *Stem: number of nodes up to and including first fertile node	few to medium	few to medium	few to medium
<input type="checkbox"/> *Foliage: colour	green	green	green
<input type="checkbox"/> Foliage: intensity of colour (varieties with foliage color: green (Char. 6, state 2) only)	medium	medium	medium
<input type="checkbox"/> *Leaf: leaflets	absent	absent	absent
<input type="checkbox"/> *Stipule: length	medium	medium	medium
<input type="checkbox"/> *Stipule: width	medium	medium	medium
<input type="checkbox"/> *Stipule: flecking	present	present	present
<input checked="" type="checkbox"/> Stipule: density of flecking	medium	sparse	medium
<input checked="" type="checkbox"/> *Time of: flowering	late	late	medium
<input type="checkbox"/> *Plant: maximum number of flowers per node (varieties with stem fasciation absent)	two	two	two
<input type="checkbox"/> *Flower: colour of wing (varieties with plant anthocyanin coloration present only)	pink	pink	pink
<input type="checkbox"/> *Flower: shape of base of standard	moderately arched	moderately arched	level
<input type="checkbox"/> *Pod: length	medium to long	medium to long	medium
<input type="checkbox"/> *Pod: width at broadest part (mature leaf)	medium to broad	medium to broad	medium to broad
<input type="checkbox"/> *Pod: parchment	absent or partial	absent or partial	absent or partial
<input type="checkbox"/> *Pod: thickened wall (excluding varieties with pod parchment)	absent	absent	absent
<input type="checkbox"/> *Pod: shape of distal part (varieties with Pod: thickened wall absent only)	blunt	blunt	blunt

<input checked="" type="checkbox"/> *Pod: curvature	medium	weak	very weak to weak
<input type="checkbox"/> *Pod: colour	green	green	green
<input type="checkbox"/> Pod: intensity of green colour (varieties with pod colour green (Char. 43: state 2) only)	medium	medium	medium
<input type="checkbox"/> *Pod: suture strings (excluding varieties with pod parchment)	present	present	present
<input type="checkbox"/> *Pod: number of ovules	many	many	medium to many
<input type="checkbox"/> *Immature seed: intensity of green colour	medium	medium	medium
<input type="checkbox"/> *Seed: type of starch grains	simple	simple	simple
<input type="checkbox"/> *Seed: wrinkling of cotyledon (varieties with seed shape: cylindrical; and type of starch grain: simple only)	absent	absent	absent
<input type="checkbox"/> *Seed: colour of cotyledon	yellow	yellow	yellow
<input type="checkbox"/> *Seed: marbling of testa (varieties with plant anthocyanin coloration present only)	absent	absent	absent
<input type="checkbox"/> *Seed: violet or pink spots on testa (varieties with plant anthocyanin coloration present only)	absent	absent	absent
<input type="checkbox"/> *Seed: hilum colour	same color as testa	same color as testa	same color as testa
<input checked="" type="checkbox"/> Seed: colour of testa (varieties with plant anthocyanin coloration present only)	brownish green	reddish brown	reddish brown
<input type="checkbox"/> *Seed: weight	medium	medium	medium

### **Statistical Table**

<b>Organ/Plant Part: Context</b>	<b>'PBA Butler'</b>	<b>'Kaspa'</b>	<b>'PBA Gunyah'</b>
<input type="checkbox"/> Stem: height (cm)			
Mean	144.30	128.90	115.00
Std. Deviation	4.20	1.90	8.30
LSD/sig	9.2	P≤0.01	P≤0.01
<input type="checkbox"/> Stem: number of nodes to the first flower			
Mean	23.40	22.30	21.40
Std. Deviation	1.00	0.60	0.20
LSD /sig	2.4	ns	ns
<input type="checkbox"/> Stipule: length (mm)			
Mean	6.00	6.30	6.10
Std. Deviation	0.50	0.60	0.40
LSD /sig	1.1	ns	ns
<input type="checkbox"/> Stipule: width (mm)			

Mean	5.20	6.00	5.70
Std. Deviation	0.50	1.50	1.30
LSD /sig	1.8	ns	ns

**Prior Applications and Sales**

Nil.

Description: **Babu Ram Pandey** and **Garry Rosewarne**, DEDJTR-Horsham, VIC.

<b>Details of Application</b>		
<b>Application Number</b>	2016/057	
<b>Variety Name</b>	'Purple Star'	
<b>Genus Species</b>	<i>Rubus</i> subgenus <i>Eubatus</i>	
<b>Common Name</b>	Hybridberry	
<b>Synonym</b>	Nil	
<b>Accepted Date</b>	31 Mar 2016	
<b>Applicant</b>	The New Zealand Institute for Plant and Food Research Limited, Auckland, New Zealand	
<b>Agent</b>	AJ Park, Canberra, ACT	
<b>Qualified Person</b>	Joseph Stephens	
<b>Details of Comparative Trial</b>		
<b>Overseas Testing Authority</b>	New Zealand Plant Variety Office	
<b>Overseas Data Reference Number</b>	BLA004 (Grant no. 31147)	
<b>Location</b>	Plant and Food Research, 55 Old Mill Road, Motueka 7198, New Zealand	
<b>Descriptor</b>	Blackberry (UPOV TG/73/7)	
<b>Period</b>	2013-15	
<b>Conditions</b>	Warm temperate climate	
<b>Trial Design</b>	Randomised complete block, 4 replicates x 2 plant plots with candidate and comparator cultivars. Further reference cultivars planted alongside.	
<b>Measurements</b>	In accordance with UPOV TG/73/7	
<b>RHS Chart - edition</b>	2001	
<b>Origin and Breeding</b>		
Controlled pollination: originated as part of a planned breeding programme from a controlled pollination between 'Marahau' as the seed parent and selection 9110RRQ4 as the pollen parent carried out in 1995. Seed was germinated and grown on at Plant and Food Research (previously HortResearch) Old Mill Road, Motueka New Zealand. The variety was originally selected as 958RA in the summer of 1998-99. The variety was clonally vegetatively propagated by stem node cuttings and planted in further trials to determine its performance. Breeder: New Zealand Institute for Plant and Food Research Limited, Auckland, New Zealand.		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Dormant cane	spines	absent
Leaf	type	odd-pinnate
Fruiting	on current year's cane	absent
Plant	time of beginning of fruit ripening on previous year's cane	early to medium or medium

<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>				
<b>Name</b>		<b>Comments</b>		
‘Ranui’				
‘Karaka Black’				
‘Gem’				
‘Marahau’		seed parent		
<b>Varieties of Common Knowledge identified and subsequently excluded</b>				
<b>Variety</b>	<b>Distinguishing Characteristics</b>		<b>State of Expression in Candidate Variety</b>	<b>State of Expression in Comparator Variety</b>
‘Ranui’	Dormant cane	spines	absent	present
‘Karaka Black’	Dormant cane	spines	absent	present
‘Gem’	Plant	time of beginning of fruit ripening on previous year's cane	early-medium	very early-early

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

<b>Organ/Plant Part: Context</b>	<b>‘Purple Star’</b>	<b>‘Marahau’</b>
<input type="checkbox"/> *Plant: growth habit	semi-upright to spreading	spreading
<input type="checkbox"/> Plant: number of new canes	medium to many	-
<input type="checkbox"/> Dormant cane: length	medium to long	-
<input type="checkbox"/> Dormant cane: diameter	medium	-
<input type="checkbox"/> *Dormant cane: anthocyanin colouration	medium to strong	strong
<input type="checkbox"/> Dormant cane: number of branches	medium	-
<input type="checkbox"/> Dormant cane: predominant distribution of branches	only on upper half	-
<input type="checkbox"/> *Dormant cane: cross section	rounded	rounded
<input type="checkbox"/> *Dormant cane: spines	absent	absent
<input type="checkbox"/> Young shoot: anthocyanin colouration	strong	-
<input type="checkbox"/> Young shoot: intensity of green colour	light	-
<input type="checkbox"/> Young shoot: number of glandular hairs	absent or few	-
<input checked="" type="checkbox"/> Terminal leaflet: length	long	medium
<input type="checkbox"/> Terminal leaflet: width	broad	-
<input type="checkbox"/> Terminal leaflet: lobing	absent	-

<input type="checkbox"/>	Terminal leaflet: shape in cross-section	u-shaped	-
<input type="checkbox"/>	Terminal leaflet: undulation of margin	weak	-
<input type="checkbox"/>	Terminal leaflet: blistering between veins	weak	-
<input type="checkbox"/>	Leaflet: type of incision of margin	serrate	-
<input type="checkbox"/>	Leaflet: depth of incisions	shallow	-
<input checked="" type="checkbox"/>	*Leaf: predominant number of leaflets	seven	three
<input type="checkbox"/>	*Leaf: type	odd-pinnate	odd-pinnate
<input type="checkbox"/>	Leaf: intensity of green colour of upper side	light	-
<input type="checkbox"/>	Leaf: glossiness of upper side	weak to medium	-
<input type="checkbox"/>	Petiole: size of stipules	small to medium	-
<input type="checkbox"/>	Flower: diameter	medium to large	-
<input type="checkbox"/>	Flower: colour of petal	white	-
<input type="checkbox"/>	Fruiting lateral: length	medium	-
<input type="checkbox"/>	Fruit: length	medium to long	-
<input type="checkbox"/>	Fruit: width	medium to broad	-
<input type="checkbox"/>	Fruit: ratio length/width	medium	-
<input type="checkbox"/>	Fruit: number of drupelets	medium	-
<input type="checkbox"/>	Fruit: size of drupelet	medium to large	-
<input type="checkbox"/>	*Fruit: shape in longitudinal section	medium ovate	medium ovate
<input checked="" type="checkbox"/>	Fruit: colour	reddish black	bluish black
<input type="checkbox"/>	Time of: leaf bud burst	medium	-
<input type="checkbox"/>	*Fruiting: on current year's cane	absent	absent
<input type="checkbox"/>	*Time of: beginning of flowering on previous year's cane	early to medium	medium
<input type="checkbox"/>	*Time of: beginning of fruit ripening on previous year's cane	early to medium	medium

**Prior Applications and Sales:**

Country	Year	Status	Name Applied
New Zealand	2013	Granted	'Purple Star'

First sold in New Zealand in Jun 2012.

Description: **Joseph Stephens**, Select Breeding Solutions, Upper Moutere, New Zealand.

<b>Details of Application</b>	
<b>Application Number</b>	2015/278
<b>Variety Name</b>	'Farnsfield'
<b>Genus Species</b>	<i>Cannabis sativa</i>
<b>Common Name</b>	Industrial Hemp
<b>Synonym</b>	Nil
<b>Accepted Date</b>	03 Dec 2015
<b>Applicant</b>	Agri Fibre Industries Pty. Ltd., Woongara, QLD
<b>Agent</b>	N/A
<b>Qualified Person</b>	David Gillespie
<b>Details of Comparative Trial</b>	
<b>Location</b>	Woongarra, QLD
<b>Descriptor</b>	Hemp (UPOV TG/276/1)
<b>Period</b>	March 16 to June 30 2018
<b>Conditions</b>	Soil: Red Krasnozem, basal fertiliser of Nitrophoska special applied pre-planting supplying 120 units of Nitrogen, 3 units of Phosphorous and 140 units of Potassium per hectare plus trace elements, trickle irrigated and soluble fertilisers injected as required by the crop. No pesticides were applied as there was no insect or disease pressure.
<b>Trial Design</b>	Randomised complete block design containing 5 replicates containing 2 generations of the candidate variety 'Farnsfield' and a comparison variety 'Ruby' the most similar to the candidate bred from the same breeding program.
<b>Measurements</b>	Measurements were taken at various grow stages as defined by the UPOV TG and additions to the TG as applicable.
<b>RHS Chart - edition</b>	5th Edition
<b>Origin and Breeding</b>	
Controlled pollination: in early January 2006 of a maternal parent 'Guelph 3-09' that was crossed with the paternal parent a selection that later became 'FibreGem'. The maternal parent was tall in spring planting but shorter in autumn. 'Farnsfield' had high bast fibre content with low THC. The paternal parent was short, early flowering, very low to low in THC content with short inflorescence branches and medium bast fibre content. Progeny varied considerably in the second and third generations and single plant selections were made from progeny of the F <sub>3</sub> generation. Family selection of the best single plant selections were grown in a replicated experiment to choose the material that later became the candidate variety 'Farnsfield'. Subsequently the best family selections were grown in isolation and further single plants selected with sufficient seed retained for the next grow out. These were then grown again in isolation and samples taken for the PBR trial. Breeder: Agri Fibre Industries Pty. Ltd., Woongara, QLD.	

<b>Choice of Comparators</b> 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 male flowering	early
Plant	proportion of hermaphrodite plants	very low
Plant	proportion of female plants	medium
Plant	proportion of male plants	medium
Inflorescence	THC content	very low to medium

#### **Most Similar Varieties of Common Knowledge identified (VCK)**

Name	Comments
'Ruby'	Closest variety to the candidate variety and produced from the same breeding program. The candidate variety 'Farnsfield' and 'Ruby' are similar in many attributes but not identical.

#### **Varieties of Common Knowledge identified and subsequently excluded**

Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'FibreGem'	Plant	natural height	short (autumn) medium (spring)	short	male parent
'BundyGem'	Inflorescence	THC content	low to medium	very low	
'Xulan' syn. Frog One	Plant	natural height	short (autumn) medium (spring)	very tall	

#### **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	'Farnsfield'	'Ruby'
<input type="checkbox"/> Cotyledon: shape	medium obovate	broad obovate
<input type="checkbox"/> Cotyledon: colour	medium green	medium green
<input checked="" type="checkbox"/> Hypocotyl: anthocyanin colouration	very weak to weak	weak to medium
<input type="checkbox"/> Plant: intensity of anthocyanin colouration of crown	absent or very weak	absent or very weak
<input type="checkbox"/> Leaf: intensity of green colour	medium	medium
<input type="checkbox"/> Leaf: size of blade	medium	medium
<input type="checkbox"/> Leaf: length of petiole	medium	medium
<input type="checkbox"/> *Leaf: anthocyanin colouration of petiole	absent or very weak	absent or very weak
<input type="checkbox"/> *Leaf: number of leaflets	medium	medium
<input type="checkbox"/> Central leaflet: length	short	medium to long
<input type="checkbox"/> Central leaflet: width	narrow	medium to broad



<input type="checkbox"/> *Time of: male flowering	early	early
<input type="checkbox"/> Inflorescence: anthocyanin colouration of male flowers	absent or very weak	absent or very weak
<input type="checkbox"/> *Inflorescence: THC content	very low to medium	very low to medium
<input type="checkbox"/> *Plant: proportion of hermaphrodite plants	very low	very low
<input type="checkbox"/> *Plant: proportion of female plants	medium	medium
<input type="checkbox"/> *Plant: proportion of male plants	medium	medium
<input checked="" type="checkbox"/> *Plant: natural height	short	very short to short
<input type="checkbox"/> *Main stem: colour	medium green	medium green
<input checked="" type="checkbox"/> Main stem: length of internode	medium to long	short to medium
<input type="checkbox"/> Main stem: thickness	thick	medium
<input type="checkbox"/> Main stem: depth of grooves	medium	medium
<input type="checkbox"/> Main stem: pith in cross-section	medium	medium
<input type="checkbox"/> Seed: 1000 seed weight	low	medium
<input checked="" type="checkbox"/> Seed: colour of testa	yellowish brown	grey brown
<input checked="" type="checkbox"/> Seed: marbling	strong	medium

#### **Characteristics Additional to the Descriptor/TG**

<b>Organ/Plant Part: Context</b>	<b>'Farnsfield'</b>	<b>'Ruby'</b>
<input checked="" type="checkbox"/> Second basal inflorescence : length	short	medium
<input type="checkbox"/> Petiole: anthocyanin colouration	absent or very weak	weak
<input type="checkbox"/> Main stem: bast fibre content	high	high
<input type="checkbox"/> Cotyledon: colour (RHS)	147B	147B
<input type="checkbox"/> Leaf: intensity of leaf colour (RHS)	137A	137A
<input type="checkbox"/> Main stem: colour (RHS)	138A	138B
<input checked="" type="checkbox"/> Hypocotyl: intensity of anthocyanin colouration	absent or very weak	weak to medium

#### **Statistical Table**

<b>Organ/Plant Part: Context</b>	<b>'Farnsfield'</b>	<b>'Ruby'</b>
<input checked="" type="checkbox"/> Second basal inflorescence : length (mm)		
Mean	28.87	46.93
Std. Deviation	12.37	28.64
LSD/sig	7.56	P≤0.01
<input checked="" type="checkbox"/> First true leaf: width (mm)		
Mean	13.52	15.80
Std. Deviation	1.60	1.64
LSD/sig	0.55	P≤0.01

<input checked="" type="checkbox"/> Second true leaf: length (mm)		
Mean	58.02	61.12
Std. Deviation	5.40	6.90
LSD/sig	2.10	P≤0.01
<input checked="" type="checkbox"/> Second true leaf: width (mm)		
Mean	23.42	25.29
Std. Deviation	2.45	3.11
LSD/sig	0.97	P≤0.01
<input checked="" type="checkbox"/> Plant: Natural plant height (cm)		
Mean	118.12	106.68
Std. Deviation	15.97	14.53
LSD/sig	7.23	P≤0.01
<input checked="" type="checkbox"/> Stem node: length between 4th and 5th node (mm)		
Mean	209.70	168.70
Std. Deviation	29.97	26.84
LSD/sig	12.17	P≤0.01

### **Prior Applications and Sales**

Nil.

Description: **David Gillespie**, Kepnock, QLD

<b>Details of Application</b>	
<b>Application Number</b>	2016/101
<b>Variety Name</b>	'BellaRose'
<b>Genus Species</b>	<i>Prunus armeniaca x salicina</i>
<b>Common Name</b>	Interspecific apricot
<b>Synonym</b>	Nil
<b>Accepted Date</b>	25 Oct 2016
<b>Applicant</b>	Zaiger's Inc. Genetics, Modesto, California, USA
<b>Agent</b>	Graham's Factree Pty Ltd, Hoddles Creek, VIC
<b>Qualified Person</b>	Rebecca Fleming
<b>Details of Comparative Trial</b>	
<b>Overseas Testing Authority</b>	United States Patent and Trademark Office
<b>Overseas Data Reference Number</b>	USPP22,429
<b>Location</b>	
<b>Descriptor</b>	TG/70/4
<b>Period</b>	
<b>Conditions</b>	Where possible the overseas information for the candidate variety has been verified under local growing conditions.
<b>Trial Design</b>	The trial was conducted under normal growing conditions for Renmark, South Australia. Standard orchard practice and maintenance was used for the length of the trial including irrigation and fertilisation.
<b>Measurements</b>	
<b>RHS Chart - edition</b>	
<b>Origin and Breeding</b>	
<p>Cross Pollination: '288LF475' x '57EF372'. The present new variety of interspecific tree was originated by Zaiger's Inc. Genetics, at their experimental orchard located near Modesto, California. A large number of these first generation seedlings were budded onto older 'Nemaguard' Rootstock (non-patented) to induce earlier fruit production for evaluation. Under close and careful observation, one seedling, which is the present variety, exhibited desirable fruit and tree characteristics and was selected in 1997 for additional asexual propagation and commercialisation. Breeder: Zaiger's Inc. Genetics, Modesto, California, USA</p>	

<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Fruit	size	medium
Fruit	pubescence	present
Fruit	firmness of Flesh	firm

<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>	
<b>Name</b>	<b>Comments</b>
'Leah Cot'	The candidate variety has red skin compared to yellow orange, is 2 days earlier and the tree size is smaller than 'Leah Cot'
'BellaSun'	The candidate variety matures approximately 9 days earlier and has red skin compared to the yellow blushed skin of 'BellaSun'

<b>Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.</b>			
<b>Organ/Plant Part: Context</b>	<b>'BellaRose'</b>	<b>'BellaSun'</b>	<b>'Leah Cot'</b>
<input checked="" type="checkbox"/> Tree: vigour	weak to medium	strong	strong
<input type="checkbox"/> Tree: habit	upright	upright	upright to spreading
<input type="checkbox"/> Leaf blade: incisions of margin	serrate	serrate	biserrate
<input type="checkbox"/> Flower: position of stigma relative to anthers	below	same level	same level
<input type="checkbox"/> *Fruit: size	medium	medium	medium
<input checked="" type="checkbox"/> Fruit: shape in lateral view	elliptic	circular	circular
<input type="checkbox"/> Fruit: shape in ventral view	oblong		
<input type="checkbox"/> Fruit: height	medium		
<input type="checkbox"/> Fruit: lateral width	medium		
<input type="checkbox"/> Fruit: ventral width	medium		
<input type="checkbox"/> Fruit: ratio height/ventral width	medium		
<input type="checkbox"/> Fruit: ratio lateral width/ventral width	medium		
<input type="checkbox"/> Fruit: symmetry in ventral view	symmetric	symmetric	
<input type="checkbox"/> *Fruit: suture	slightly sunken		slightly sunken
<input type="checkbox"/> *Fruit: depth of stalk cavity	shallow to medium		
<input type="checkbox"/> *Fruit: shape of apex	truncate	truncate	retuse
<input type="checkbox"/> Fruit: presence of mucron	absent	absent	absent
<input type="checkbox"/> Fruit: surface	bumpy	smooth	
<input type="checkbox"/> Fruit: pubescence	present	present	present
<input type="checkbox"/> *Fruit: ground colour	yellow green	yellowish	light orange
<input checked="" type="checkbox"/> *Fruit: relative area of over colour	large	absent or very small	medium
<input type="checkbox"/> Fruit: hue of over colour	red		red

<input type="checkbox"/> Fruit: intensity of over colour	medium to dark		medium
<input type="checkbox"/> Fruit: pattern of over colour	solid flush		solid flush
<input type="checkbox"/> *Fruit: colour of flesh	medium orange	light orange	medium orange
<input type="checkbox"/> Fruit: texture of flesh	medium		
<input type="checkbox"/> Fruit: firmness of flesh	firm	firm	firm
<input type="checkbox"/> Fruit: ratio weight of fruit/weight of stone	small to medium		
<input checked="" type="checkbox"/> *Fruit: adherence of stone to flesh	weak to medium	strong	absent or very weak
<input type="checkbox"/> *Stone: shape in lateral view	elliptic		
<input type="checkbox"/> *Time of: beginning of fruit ripening	early to medium	medium	early to medium

**Prior Applications and Sales:**

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
USA	2010	Granted	'Bella Rose'

First sold in Australia on 3<sup>rd</sup> July 2015 and in the USA on 3<sup>rd</sup> January 2012

Description: **Rebecca Fleming**, Graham's Factree Pty Ltd, Hoddles Creek, VIC.

<b>Details of Application</b>	
<b>Application Number</b>	2015/157
<b>Variety Name</b>	'FallFiesta'
<b>Genus Species</b>	<i>Prunus salicina</i> x <i>armeniaca</i>
<b>Common Name</b>	Interspecific Plum
<b>Synonym</b>	N/A
<b>Accepted Date</b>	06 Aug 2015
<b>Applicant</b>	Zaiger's Inc. Genetics, Modesto, California, USA
<b>Agent</b>	Graham's Factree Pty Ltd, Hoddles Creek, VIC
<b>Qualified Person</b>	Rebecca Fleming
<b>Details of Comparative Trial</b>	
<b>Overseas Testing Authority</b>	United States of America Patent and Trademark Office
<b>Overseas Data Reference Number</b>	USPP22428
<b>Location</b>	
<b>Descriptor</b>	TG/84/4
<b>Period</b>	
<b>Conditions</b>	Where possible, the overseas data has been verified under local growing conditions.
<b>Trial Design</b>	
<b>Measurements</b>	
<b>RHS Chart - edition</b>	
<b>Origin and Breeding</b>	
<p>Cross Pollination: '178LM86' x 'Dapple Fire' The present new and distinct variety of Interspecific tree was originated by Zaiger's Inc. Genetics at their experimental orchard located near Modesto, California. A large number of these seedlings were budded onto older 'Nemaguard' Rootstock (non-patented) trees to induce earlier fruit production for evaluation. Under close and careful observation the present seedling exhibited desirable fruit and tree characteristics, it was selected in 2004 for additional asexual propagation and commercialization. Breeder: Zaiger's Inc. Genetics, Modesto, California, USA</p>	

<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Tree	vigour	strong
Tree	habit	upright
Fruit	ground colour of skin	yellow
Fruit	pattern of over colour	solid flush only
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
'Flavorfall'	Compared to 'Flavorfall' the present variety requires	

	approximately 200 hrs more chill and matures approximately 2 weeks later.
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<b>Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.</b>		
<b>Organ/Plant Part: Context</b>	<b>'FallFiesta'</b>	<b>'Flavorfall'</b>
<input type="checkbox"/> Tree: vigour	strong	strong
<input type="checkbox"/> *Tree: habit	upright	upright
<input type="checkbox"/> *Leaf blade: shape	elliptic	
<input checked="" type="checkbox"/> *Leaf blade: incisions of margin	bi-serrate	serrate
<input type="checkbox"/> Leaf: position of nectaries	equally on base of leaf blade and on petiole	equally on base of leaf blade and on petiole
<input type="checkbox"/> *Stigma: position in relation to anthers	below	
<input type="checkbox"/> Fruit: length of stalk	medium to long	
<input type="checkbox"/> *Fruit: size	medium to large	large
<input type="checkbox"/> *Fruit: height	tall	
<input type="checkbox"/> *Fruit: width	medium	
<input checked="" type="checkbox"/> *Fruit: shape in lateral view	elliptic	circular
<input type="checkbox"/> Fruit: symmetry	symmetric or slightly asymmetric	
<input type="checkbox"/> *Fruit: shape of base	truncate	depressed
<input type="checkbox"/> Fruit: shape of apex	rounded	rounded
<input type="checkbox"/> *Fruit: depth of suture	absent or very shallow	absent or very shallow
<input type="checkbox"/> *Fruit: bloom of skin	medium to strong	strong
<input type="checkbox"/> *Fruit: ground colour of skin	yellow	yellow
<input type="checkbox"/> *Fruit: relative area of over colour	large to very large	very large or whole surface
<input type="checkbox"/> *Fruit: over colour of skin	dark blue	dark blue
<input type="checkbox"/> *Fruit: pattern of over colour	solid flush only	solid flush only
<input type="checkbox"/> *Fruit: number of lenticels	few to medium	
<input type="checkbox"/> *Fruit: size of lenticels	small	
<input type="checkbox"/> *Fruit: colour of flesh	orange	yellow
<input type="checkbox"/> Fruit: firmness	firm	firm
<input type="checkbox"/> Fruit: juiciness	high	medium
<input type="checkbox"/> Fruit: acidity	medium	medium
<input type="checkbox"/> Fruit: sweetness	medium	medium

<input checked="" type="checkbox"/> *Fruit: adherence of stone to flesh	semi-adherent	adherent
<input type="checkbox"/> *Stone: size	medium to large	medium
<input type="checkbox"/> *Stone: shape in lateral view	medium elliptic	
<input type="checkbox"/> *Stone: shape in ventral view	narrow elliptic	
<input type="checkbox"/> Stone: texture of lateral surfaces	rough	
<input type="checkbox"/> Stone: width of stalk-end	narrow	
<input checked="" type="checkbox"/> *Time of: beginning of fruit ripening	very late	late

<b>Characteristics Additional to the Descriptor/TG</b>		
<b>Organ/Plant Part: Context</b>	<b>'FallFiesta'</b>	<b>'Flavorfall'</b>
<input checked="" type="checkbox"/> Plant: Chill Hours	800	600

**Prior Applications and Sales:**

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
USA	2010	Granted	'Fall Fiesta'

First sold in Australia on 17<sup>th</sup> July 2014 and in the USA on 3<sup>rd</sup> of January 2012

Description: **Rebecca Fleming**, Graham's Factree Pty Ltd, Hoddles Creek, VIC.



<b>Details of Application</b>	
<b>Application Number</b>	2015/156
<b>Variety Name</b>	'Sweet Pixzee'
<b>Genus Species</b>	<i>Prunus salicina x avium</i>
<b>Common Name</b>	Interspecific Plum Cherry
<b>Synonym</b>	N/A
<b>Accepted Date</b>	06 Aug 2015
<b>Applicant</b>	Zaiger's Inc. Genetics, Modesto, California, USA
<b>Agent</b>	Graham's Factree Pty Ltd, Hoddles Creek, VIC
<b>Qualified Person</b>	Rebecca Fleming
<b>Details of Comparative Trial</b>	
<b>Overseas Testing Authority</b>	United States Patent and Trademark Office
<b>Overseas Data Reference Number</b>	USPP23,211
<b>Location</b>	
<b>Descriptor</b>	Japanese Plum (New) TG/84/4
<b>Period</b>	
<b>Conditions</b>	Overseas data has been verified under local growing conditions.
<b>Trial Design</b>	
<b>Measurements</b>	
<b>RHS Chart - edition</b>	
<b>Origin and Breeding</b>	
Controlled pollination: The present new and distinct interspecific tree was developed by Zaiger's Inc. Genetics located near Modesto, California from a cross between the proprietary seedling '162LM354' and '21ZA1058'. A large number of these seedlings were grown onto older 'Nemaguard' Rootstock (non-patented) trees to induce earlier fruit production for evaluation. Under close and careful observation the present seedling exhibited desirable fruit and tree characteristics and was selected in 2004 for additional asexual propagation and commercialisation. Breeder: Zaiger's Inc. Genetics, Modesto, California, USA	

<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Flower	arrangement of petals	free
Time of	beginning of fruit ripening	medium
Fruit	Firmness	firm
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
'Nadia'	The present variety matures approximately 8 days earlier than 'Nadia', has speckled yellow-red skin compared to dark red to	

	purple and has yellow-red flesh compared to dark red.
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<b>Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.</b>		
<b>Organ/Plant Part: Context</b>	<b>‘Sweet Pixzee’</b>	<b>‘Nadia’</b>
<input type="checkbox"/> Tree: vigour	strong	medium to strong
<input type="checkbox"/> *Tree: habit	upright	
<input type="checkbox"/> *Leaf blade: incisions of margin	bi-serrate	
<input type="checkbox"/> Leaf: position of nectaries	equally on base of leaf blade and on petiole	
<input type="checkbox"/> Flower: arrangement of petals	free	free
<input type="checkbox"/> *Petal: shape	circular	
<input type="checkbox"/> *Stigma: position in relation to anthers	above	same level
<input type="checkbox"/> *Fruit: size	small to medium	small
<input checked="" type="checkbox"/> *Fruit: shape in lateral view	circular	oblong
<input type="checkbox"/> Fruit: symmetry	symmetric or slightly asymmetric	
<input type="checkbox"/> *Fruit: shape of base	truncate	
<input type="checkbox"/> Fruit: shape of apex	rounded	pointed
<input type="checkbox"/> *Fruit: depth of stalk cavity	medium	shallow
<input type="checkbox"/> *Fruit: width of stalk cavity	medium	
<input type="checkbox"/> *Fruit: depth of suture	absent or very shallow	
<input type="checkbox"/> *Fruit: bloom of skin	medium	
<input type="checkbox"/> *Fruit: ground colour of skin	yellowish green	
<input type="checkbox"/> *Fruit: relative area of over colour	very large or whole surface	
<input checked="" type="checkbox"/> *Fruit: over colour of skin	medium red	dark red
<input type="checkbox"/> *Fruit: pattern of over colour	solid flush only	
<input type="checkbox"/> *Fruit: number of lenticels	many	
<input type="checkbox"/> *Fruit: size of lenticels	medium	
<input checked="" type="checkbox"/> *Fruit: colour of flesh	orange	dark red
<input type="checkbox"/> Fruit: firmness	firm	firm
<input type="checkbox"/> Fruit: juiciness	medium	high
<input checked="" type="checkbox"/> *Fruit: adherence of stone to flesh	adherent	semi-adherent

<input type="checkbox"/> *Stone: size	medium	very small to small
<input type="checkbox"/> *Stone: shape in lateral view	narrow elliptic	
<input type="checkbox"/> *Stone: shape in ventral view	medium elliptic	
<input type="checkbox"/> *Time of: beginning of fruit ripening	medium	medium

**Prior Applications and Sales:**

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
USA	2011	Granted	'Sweet Pixie'

First sold in Australia on 7<sup>th</sup> July 2014 and in the USA on 27<sup>th</sup> November 2012

Description: **Rebecca Fleming**, Graham's Factree Pty Ltd, Hoddles Creek, VIC.

<b>Details of Application</b>	
<b>Application Number</b>	2016/260
<b>Variety Name</b>	'MU2'
<b>Genus Species</b>	<i>Pennisetum clandestinum</i>
<b>Common Name</b>	Kikuyu grass
<b>Accepted Date</b>	11 Oct 2016
<b>Applicant</b>	Lawn Solutions Australia, Berry, NSW
<b>Qualified Person</b>	Matthew Roche
<b>Details of Comparative Trial</b>	
<b>Location</b>	Australia's Warm-Season Turf GRC, 65-95 Gynther Road, Stockleigh QLD 4280
<b>Descriptor</b>	Couch grass <i>Cynodon dactylon</i> National descriptor PBR COUCH
<b>Period</b>	16 February 2017 to 12 January 2018
<b>Conditions</b>	Harvested slabs of the above turf varieties were provided by Muscat Turf Pty Ltd to Australian Sports Turf Consultants Qualified Person (QP) Matt Roche on 16 February 2017. Thirty (30) individual 100 mm diameter plugs were removed from the slabs of turf for each variety and planted in the prepared pots which contained River Sands Pro 2 Sports Turf Blend. No weed control or pesticides were applied throughout the duration of the trial. Nutrition was maintained by slow release fertiliser (18-10-9 on 16 Feb 2017, 24:2:9 on 22 Aug 2017 and 18-10-9 on 27 Oct 2017). Plants were irrigated to maintain unstressed growth and were cut routinely from the time of planting to 21 August 2017 to form a sward.
<b>Trial Design</b>	Thirty (30) 175 mm ANOVA squat pots of each variety were arranged in six (6) randomised blocks with five (5) plants per plot. Pots were positioned on benches within an enclosed nursery grow out area. All data were analysed through GenStat® Release 11.0 for Windows using standard Analysis of Variance procedures, which also generated protected Least Significant Differences (LSDs) for comparison of treatment means.
<b>Measurements</b>	Data was collected between November 2017 and January 2018. Single stolon runner length measurements from the side of the pot, sward height and inflorescence density per pot (140 days post last cut). Two stolons and two flowering tillers per pot were collected and stolon, leaf and or flower characteristics and root/rhizome density were measured over 4 days commencing 9 January 2018. Digital photos were taken 8 January 2018. A <i>Curvularia</i> leaf spot disease incidence rating (low = few lesions, moderate = distinct presence of the disease; and high = high incidence of the leaf spot disease was observed on the foliage) was also made on each plant. If multiple plants contained either a low and a moderate rating across a number of pots, a low to moderate rating was provided for example.

<b>RHS Chart - edition</b>	fifth edition				
<b>Origin and Breeding</b>					
<p>Chance Seedling: 'MU2' was discovered in 2015 as a chance seedling or mutant plant growing among their PBR protected <i>Pennisetum clandestinum</i> (kikuyu) variety 'Crowne' (Application no. 2009/259) on the breeder's turf farm at 698 Castlereagh Road, Agnes Banks NSW 2753. The plant, later designated 'MU2', was identifiable and chosen having a deeper green colour, no disease (including rust; causal organism <i>Phakopsora apoda</i>) present on the foliage while the surrounding 'Crowne' turfgrass did and the selection did not show any signs of having (male flower parts) anthers. A selected piece of plant material was removed and broken into vegetative sprigs to propagate and grow on a larger area of material for observation on the breeder's property. The original plant has now been multiplied at least 3 times without showing any discernible off types and remaining male-sterile. 'MU2' has also shown to hold together better following harvesting in sod rolls compared to 'Crowne' and "Common" kikuyu varieties. Breeder: Rob Muscat and Frank Muscat, Agnes Banks, NSW</p>					
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge					
<b>Organ/Plant Part</b>	<b>Context</b>		<b>State of Expression in Group of Varieties</b>		
Inflorescence	anthers		absent		
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>					
<b>Name</b>			<b>Comments</b>		
'RK19'			sold under the trademark of Village Green®		
'KIK203'			sold under the trademark of Kenda®		
'K-5'			sold under the trademark of Oakridge®		
'Crowne'					
<b>Varieties of Common Knowledge identified and subsequently excluded</b>					
<b>Variety</b>	<b>Distinguishing Characteristics</b>		<b>State of Expression in Candidate Variety</b>	<b>State of Expression in Comparator Variety</b>	<b>Comments</b>
'Noonan'	inflorescence	male-sterility	present	absent	
'Crofts'	inflorescence	male-sterility	present	absent	
'Breakwell'	inflorescence	male-sterility	present	absent	

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

<b>Organ/Plant Part: Context</b>	<b>'MU2'</b>	<b>'RK19'</b>	<b>'Crowne'</b>	<b>'K-5'</b>	<b>'KIK203'</b>
<input type="checkbox"/> Plant: ploidy	tetraploid	tetraploid	tetraploid	tetraploid	tetraploid
<input type="checkbox"/> Plant: type	mat-forming	mat-forming	mat-forming	mat-forming	mat-forming
<input type="checkbox"/> Plant: height	medium	medium	medium	medium	medium

<input type="checkbox"/>	Plant: longevity	perennial	perennial	perennial	perennial	perennial
<input type="checkbox"/>	Plant: spreading	laterally by stolons and rhizomes	laterally by stolons and rhizomes	laterally by stolons and rhizomes	laterally by stolons and rhizomes	laterally by stolons and rhizomes
<input type="checkbox"/>	Stolon: nodes	simple	simple	simple	simple	simple
<input checked="" type="checkbox"/>	Stolon: internode length	med to long	medium	long	med to long	med to long
<input type="checkbox"/>	Stolon: internode thickness	medium to broad	medium to broad	medium	medium	medium to broad
<input type="checkbox"/>	Stolon: colour when exposed to sunlight	148A	148A	148A	148A	146C
<input type="checkbox"/>	Culms: length	short to medium	medium to long	short to medium	short to medium	med to long
<input type="checkbox"/>	Leaf blade: shape	linear-triangular	linear-triangular	linear-triangular	linear-triangular	linear-triangular
<input checked="" type="checkbox"/>	Leaf blade: length	medium	long	long	long	long
<input type="checkbox"/>	Leaf blade: width	medium	medium	medium	medium	medium
<input type="checkbox"/>	Leaf blade: colour	137B	137A	137B	137A	137A
<input type="checkbox"/>	Ligule: appearance	a fringe of hairs	a fringe of hairs	a fringe of hairs	a fringe of hairs	a fringe of hairs
<input type="checkbox"/>	Inflorescence: type	an enclosed raceme	comprising only a few spikelets	an enclosed raceme	an enclosed raceme	an enclosed raceme
<input type="checkbox"/>	Culms: habit	decumbent	decumbent	decumbent	decumbent	decumbent
<input type="checkbox"/>	Leaf sheath: appearance	Inflated	inflated	inflated	inflated	inflated
<input type="checkbox"/>	Leaf blade: presentation	flat or conduplicate	flat or conduplicate	flat or conduplicate	flat or conduplicate	flat or conduplicate
<input type="checkbox"/>	Leaf blade: apex	obtuse	obtuse	obtuse	obtuse	obtuse
<input type="checkbox"/>	Inflorescence: anthers	absent	absent	absent	absent	absent

<b>Characteristics Additional to the Descriptor/TG</b>					
<b>Organ/Plant Part: Context</b>	<b>'MU2'</b>	<b>'RK19'</b>	<b>'Crowne'</b>	<b>'K-5'</b>	<b>'KIK203'</b>
<input type="checkbox"/> Plant: habit	prostrate creeping	prostrate creeping	prostrate creeping	prostrate creeping	prostrate creeping
<input type="checkbox"/> Culms: width	Medium	broad	medium	medium	broad
<input type="checkbox"/> Plant: Curvularia disease incidence rating	Low	low	high	low to high	low to high
<input checked="" type="checkbox"/> Inflorescence: density	High	moderate	low	moderate	moderate

<b>Statistical Table</b>					
<b>Organ/Plant Part: Context</b>	<b>'MU2'</b>	<b>'RK19'</b>	<b>'Crowne'</b>	<b>'K-5'</b>	<b>'KIK203'</b>
<input type="checkbox"/> Plant: stolon length from the side of the pot after 140 days post being cut (mm)					
Mean	574.00	466.00	703.00	569.00	586.00
Std. Deviation	129.00	188.00	195.00	188.00	168.00
LSD/sig	153	ns	ns	ns	ns
<input type="checkbox"/> Stolon: first stolon node with a lateral branch					
Mean	4.27	4.33	5.20	4.60	4.86
Std. Deviation	1.50	2.00	1.50	1.50	2.50
LSD/sig	2.04	ns	ns	ns	ns
<input checked="" type="checkbox"/> Stolon: length of fourth internode from stolon tip (mm)					
Mean	12.95	9.94	17.58	14.98	14.64
Std. Deviation	2.80	2.50	4.30	3.50	5.60
LSD/sig	3.06	ns	P<0.01	ns	ns
<input type="checkbox"/> Stolon: diameter of fourth internode from stolon tip (mm)					
Mean	4.16	4.00	3.59	3.68	4.01
Std. Deviation	0.40	0.30	0.30	0.30	0.50
LSD/sig	0.31	ns	P<0.01	P<0.01	ns
<input type="checkbox"/> Stolon: length of leaf sheath of fourth internode from stolon tip (mm)					
Mean	16.81	15.31	19.52	17.07	19.30
Std. Deviation	2.50	2.80	3.00	2.40	3.40
LSD/sig	2.23	ns	P<0.01	ns	P<0.01
<input type="checkbox"/> Stolon: length of leaf blade on fourth visible node from stolon tip (mm)					
Mean	20.44	21.65	31.07	23.64	34.24
Std. Deviation	6.90	10.70	9.50	10.90	15.70
LSD/sig	8.65	ns	P<0.01	ns	P<0.01
<input type="checkbox"/> Inflorescence: diameter of culm on flowering tillers between 3rd and 4th leaf (mm)					
Mean	1.91	1.94	1.64	1.80	1.96
Std. Deviation	0.30	0.30	0.30	0.30	0.30
Lsd/sig	0.17	ns	P<0.01	ns	ns
<input type="checkbox"/> Inflorescence: length of flag leaf on flowering tillers (mm)					
Mean	11.56	13.01	15.55	13.73	13.81
Std. Deviation	2.90	6.30	5.00	2.80	4.30
LSD/sig	2.73	ns	P<0.01	ns	ns
<input type="checkbox"/> Inflorescence: width of flag leaf on flowering tillers (mm)					
Mean	2.39	2.89	2.86	2.80	2.76
Std. Deviation	0.40	0.50	0.40	0.40	0.50
LSD/sig	0.31	P<0.01	P<0.01	P<0.01	P<0.01
<input type="checkbox"/> Inflorescence: length of sheath on fourth leaf on flowering tillers (mm)					
Mean	11.51	11.58	12.41	11.46	12.67
Std. Deviation	1.40	1.50	2.40	1.60	2.80

LSD/sig	1.59	ns	ns	ns	ns
<input checked="" type="checkbox"/> Inflorescence: length of blade on fourth leaf on flowering tillers (mm)					
Mean	16.75	20.99	25.58	21.38	23.88
Std. Deviation	5.00	6.40	9.40	8.50	8.30
LSD/sig	6.78	ns	P≤0.01	ns	P≤0.01
<input type="checkbox"/> Inflorescence: width of blade on fourth leaf on flowering tillers (mm)					
Mean	2.96	3.22	3.02	2.92	3.24
Std. Deviation	0.50	0.40	0.40	0.40	0.60
LSD/sig	0.3	ns	ns	ns	ns
<input checked="" type="checkbox"/> Inflorescence: density (count per pot)					
Mean	72.00	25.60	5.90	32.50	23.30
Std. Deviation	33.90	14.90	7.50	17.80	19.40
LSD/sig	17.37	P≤0.01	P≤0.01	P≤0.01	P≤0.01
<input type="checkbox"/> Inflorescence: number per tiller within cut sward (count per tiller)					
Mean	3.23	1.72	1.43	1.48	1.67
Std. Deviation	1.30	0.90	0.60	0.60	0.90
LSD/sig	0.66	P≤0.01	P≤0.01	P≤0.01	P≤0.01
<input type="checkbox"/> Sward: height 140 days post being cut (mm)					
Mean	87.37	72.85	80.57	90.10	74.90
Std. Deviation	13.30	10.30	12.90	13.30	14.80
LSD/sig	10.78	P≤0.01	ns	ns	P≤0.01
<input type="checkbox"/> Roots: visible rhizome depth at trial completion (330 dpp)					
Mean	173.00	154.90	158.80	148.50	162.30
Std. Deviation	10.60	27.80	31.30	35.20	26.60
LSD/sig	17.2	P≤0.01	ns	P≤0.01	ns

### **Prior Applications and Sales**

Nil.

Description: **Matthew Roche**, ASTC Pty Ltd, Cooparoo, QLD.



<b>Details of Application</b>	
<b>Application Number</b>	2015/155
<b>Variety Name</b>	'Frisskei'
<b>Genus Species</b>	<i>Lactuca sativa</i>
<b>Common Name</b>	Lettuce
<b>Synonym</b>	Nil
<b>Accepted Date</b>	28 Jul 2015
<b>Applicant</b>	Vilmorin, La Menitre, France
<b>Agent</b>	Shelston IP, Sydney, NSW
<b>Qualified Person</b>	John Oates

<b>Details of Comparative Trial</b>	
<b>Overseas Testing Authority</b>	GEVES (France)
<b>Overseas Data Reference Number</b>	4062299
<b>Location</b>	Brion (49) / Cavaillon (84)
<b>Descriptor</b>	CPVO –TP/013/5 Rev
<b>Period</b>	2016
<b>Measurements</b>	As per UPOV Technical guidelines
<b>RHS Chart - edition</b>	N/A

**Origin and Breeding**

Controlled pollination: Cross made in 2009 between the two parents, 9/8314 and 9/8331. F2 68/14144/01 screened in Holland in summer 2010. F3 10/15119/01 tested in France for *Bremia* resistance and *Nasonovia* resistance in autumn 2010. F3 10/15119/01 screened in Holland in summer 2011. F4 11/15769/17 tested in France for *Bremia* resistance and *Nasonovia* resistance in autumn 2011. F4 11/15769/17 screened in Holland in summer 2012. F5 12/17323/11 tested in France for *Bremia* resistance and *Nasonovia* resistance in autumn 2012 F6 12/17323/110 was produced in La Ménitré in summer 2013 Breeder: Vilmorin SA-LA MENITRE France.

**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	time of beginning of bolting under long day conditions	late to very late or late
Plant	resistance to downy mildew Isolate BI:16	present
Leaf	anthocyanin coloration	absent

**Most Similar Varieties of Common Knowledge identified (VCK)**

Name	Comments
'Elf'	
'Cosette'	

**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	'Frisskei'	'Cosette'	'Elf'
<input type="checkbox"/> *Seed: colour	white	white	white
<input type="checkbox"/> *Seedling: anthocyanin colouration	absent	absent	absent
<input type="checkbox"/> Leaf: attitude at 10-12 leaf stage	erect	erect	semi-erect
<input type="checkbox"/> Leaf blade: division	entire	entire	entire
<input type="checkbox"/> *Plant: diameter	medium	medium	medium
<input type="checkbox"/> *Plant: head formation	closed head	closed head	open head
<input type="checkbox"/> Head: degree of overlapping of upper part of leaves (varieties with closed head formation only)	weak to medium	weak to medium	very weak
<input type="checkbox"/> Head: density	dense to very dense	dense to very dense	medium
<input type="checkbox"/> Head: size	small	small	medium
<input type="checkbox"/> *Head: shape in longitudinal section	circular	circular	narrow elliptic
<input type="checkbox"/> Leaf: thickness	thick	thick	medium
<input type="checkbox"/> Leaf: attitude at harvest maturity	semi-erect	semi-erect	erect to semi-erect
<input type="checkbox"/> *Leaf: shape	narrow elliptic	medium elliptic	medium elliptic
<input type="checkbox"/> Leaf: shape of tip	rounded	rounded	rounded
<input type="checkbox"/> *Leaf: hue of green colour of outer leaves	absent	absent	absent
<input type="checkbox"/> *Leaf: intensity of colour of outer leaves	dark	dark	medium to dark
<input type="checkbox"/> *Leaf: anthocyanin colouration	absent	absent	absent
<input type="checkbox"/> Leaf: glossiness of upper side	strong	medium to strong	medium
<input type="checkbox"/> *Leaf: blistering	weak to medium	weak to medium	strong
<input checked="" type="checkbox"/> Leaf: size of blisters	small	medium to large	large
<input type="checkbox"/> *Leaf blade: degree of undulation of margin	absent or very weak	absent or very weak	weak to medium
<input type="checkbox"/> Leaf blade: incisions of margin on apical part	absent	absent	absent
<input type="checkbox"/> Leaf blade: venation	not flabellate	not flabellate	not flabellate
<input type="checkbox"/> Axillary: sprouting	weak to medium	weak to medium	absent or very weak
<input type="checkbox"/> *Time of: beginning of bolting under long day conditions	late to very late	late to very late	late
<input type="checkbox"/> Plant: height	short to medium	short to medium	medium
<input type="checkbox"/> Plant: fasciation	absent	absent	absent
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate Bl:2	present	present	present
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate Bl:5	present	present	present

<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:7	present	present	present
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:12	present	present	present
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:14	present	present	present
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:15	present	present	present
<input type="checkbox"/> *Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:16	present	present	present
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:17	present	-	present
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:18	present	-	present
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:20	present	-	present
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:21	present	present	present
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:22	present	-	present
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:23	present	present	present
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:24	present	absent	present
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:25	present	absent	present
<input checked="" type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI: 26	present	absent	present
<input checked="" type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:27	present	absent	present
<input checked="" type="checkbox"/> Resistance to: <i>Lettuce Mosaic Virus (LMV)</i> Strain Ls 1	absent	present	present
<input checked="" type="checkbox"/> Resistance to: <i>Nasonovia ribisnigri</i> biotype Nr:0	present	absent	present

<b>Characteristics Additional to the Descriptor/TG</b>			
<b>Organ/Plant Part: Context</b>	<b>'Frisskei'</b>	<b>'Cosette'</b>	<b>'Elf'</b>
<input checked="" type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:28	present	absent	absent
<input checked="" type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:29	present	absent	present
<input checked="" type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:30	present	absent	absent
<input checked="" type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:31	present	absent	-

**Prior Applications and Sales:**

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
EU	2015	Granted	'Frisskei'

First sold in Australia in March 2015.

Description: **John Oates**, VF Solutions, Merimbula, NSW.

<b>Details of Application</b>		
<b>Application Number</b>	2016/012	
<b>Variety Name</b>	'Buzbie'	
<b>Genus Species</b>	<i>Lactuca sativa</i>	
<b>Common Name</b>	Lettuce	
<b>Synonym</b>	N/A	
<b>Accepted Date</b>	11 Feb 2016	
<b>Applicant</b>	Nunhems B.V., Netherlands	
<b>Agent</b>	Shelston IP, Sydney, Australia	
<b>Qualified Person</b>	John Oates	
<b>Details of Comparative Trial</b>		
<b>Location</b>	Devon Meadows, Victoria	
<b>Descriptor</b>	TP/13/10 Rev.2	
<b>Period</b>	Weeks 29-46 2017	
<b>Conditions</b>	Sandy loam, raised beds, overhead irrigation on demand,	
<b>Trial Design</b>	4 rows wide raised beds, 300 plants per replicate	
<b>Measurements</b>	As per UPOV Guidelines	
<b>RHS Chart - edition</b>	2001	
<b>Origin and Breeding</b>		
Controlled pollination: A cross was made between the two parents and F2 plants showing desired characteristics were self-pollinated to produce the F3 generation. Desired characteristics included stability, shape, <i>Nasonovia</i> resistance, <i>Bremia</i> resistance and plant architecture. Selection continued to the F5 generation which was then promoted to Trial 1. Breeder: Nunhems B.V., Haelem, the Netherlands		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Seed	colour	white
Bolting	time of beginning under long days	very late
Leaf	anthocyanin colouration	absent
Disease	resistance to BI 16	present
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
'Amadeus'		

<b>Varieties of Common Knowledge identified and subsequently excluded</b>
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Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Mayoral'	Disease resistance	Nasonovia ribisnigri biotype Nr:0	present	absent	
'Claudius'	Disease resistance	Nasonovia ribisnigri biotype Nr:0	present	absent	

**Variety Description and Distinctness - Characteristics which distinguish the candidate from the comparators are marked with a tick.**

Organ/Plant Part: Context	'Buzbie'	'Amadeus'
<input type="checkbox"/> *Seed: colour	white	white
<input type="checkbox"/> *Seedling: anthocyanin colouration	absent	absent
<input type="checkbox"/> Leaf: attitude at 10-12 leaf stage	erect to semi-erect	semi-erect
<input type="checkbox"/> Leaf blade: division	entire	entire
<input checked="" type="checkbox"/> *Plant: diameter	small to medium	medium to large
<input type="checkbox"/> *Plant: head formation	closed head	closed head
<input checked="" type="checkbox"/> Head: degree of overlapping of upper part of leaves (varieties with closed head formation only)	weak	medium
<input type="checkbox"/> Head: density	dense	medium to dense
<input type="checkbox"/> Head: size	small to medium	medium
<input type="checkbox"/> *Head: shape in longitudinal section	narrow elliptic	broad elliptic
<input type="checkbox"/> Leaf: thickness	medium	thick
<input type="checkbox"/> Leaf: attitude at harvest maturity	semi-erect	erect to semi-erect
<input checked="" type="checkbox"/> *Leaf: shape	broad obtrullate	circular
<input type="checkbox"/> Leaf: shape of tip	rounded	rounded
<input type="checkbox"/> *Leaf: hue of green colour of outer leaves	absent	absent
<input type="checkbox"/> *Leaf: intensity of colour of outer leaves	medium to dark	medium to dark
<input type="checkbox"/> *Leaf: anthocyanin colouration	absent	absent
<input type="checkbox"/> Leaf: glossiness of upper side	weak to medium	weak to medium
<input checked="" type="checkbox"/> *Leaf: blistering	strong to very strong	medium to strong
<input type="checkbox"/> Leaf: size of blisters	medium to large	large

<input type="checkbox"/> *Leaf blade: degree of undulation of margin	weak	weak
<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	very shallow to shallow	very shallow to shallow
<input type="checkbox"/> Leaf blade: density of incisions on margin on apical part	medium to dense	medium to dense
<input type="checkbox"/> Leaf blade: type of incisions on apical part (varieties with shallow incisions on margin on apical part only)	sinuate	sinuate
<input type="checkbox"/> Leaf blade: venation	flabellate	flabellate
<input type="checkbox"/> Axillary: sprouting	very weak to weak	very weak to weak
<input type="checkbox"/> Time of: harvest maturity	early to medium	early to medium
<input type="checkbox"/> *Time of: beginning of bolting under long day conditions	late to very late	late
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:2	present	
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:5	present	
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:7	present	
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:12	present	
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:14	present	
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:15	present	
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:18	present	
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:20	present	
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:22	present	
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:24	present	
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:25	present	
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI: 26	present	

<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:27	present	
<input type="checkbox"/> *Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:16	present	present
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:17	present	present
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:21	present	present
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:23	present	present
<input type="checkbox"/> Resistance to: lettuce mosaic virus (LMV) Strain Ls 1	present	present
<input type="checkbox"/> Resistance to: <i>Nasonovia ribisnigri</i> biotype Nr:0	present	

<b>Characteristics Additional to the Descriptor/TG</b>		
<b>Organ/Plant Part: Context</b>	<b>‘Buzbie’</b>	<b>‘Amadeus’</b>
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:32	present	present
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:28	present	
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:29	present	
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:30	present	

<b>Statistical Table</b>		
<b>Organ/Plant Part: Context</b>	<b>‘Buzbie’</b>	<b>‘Amadeus’</b>
<input checked="" type="checkbox"/> Plant: diameter (mm)		
Mean	266.00	285.50
Std. Deviation	14.30	13.01
Lsd/sig	15.5061	P≤0.01

**Prior Applications and Sales:**

No prior applications.

First sold in Australia on 17<sup>th</sup> Feb 2015 as ‘NUN 06526 LTL’

Description: **John Oates**, VF solutions.



<b>Details of Application</b>	
<b>Application Number</b>	2015/031
<b>Variety Name</b>	'Densilva'
<b>Genus Species</b>	<i>Lactuca sativa</i>
<b>Common Name</b>	Lettuce
<b>Synonym</b>	
<b>Accepted Date</b>	18 Mar 2015
<b>Applicant</b>	Nunhems B.V., Haelen, The Netherlands
<b>Agent</b>	Shelston IP, Sydney, NSW
<b>Qualified Person</b>	John Oates
<b>Details of Comparative Trial</b>	
<b>Overseas Testing Authority</b>	Naktuiboouw
<b>Overseas Data Reference Number</b>	SLA3407
<b>Location</b>	Naktuinboouw, Roelofarendsveen, NL
<b>Descriptor</b>	TP/13/5
<b>Period</b>	2015
<b>Conditions</b>	
<b>Trial Design</b>	
<b>Measurements</b>	as per UPOV Technical guidelines
<b>RHS Chart - edition</b>	Sixth edition
<b>Origin and Breeding</b>	
Controlled pollination: After a cross was made between a Nunhems' variety and a Nunhems non-commercial breeding line a number of F1 plants were self pollinated. From the second until the fifth generation, pedigree selection was performed. From the sixth until the seventh generation, line selection was performed. Then the selection was classed as stable and has continued to remain so. Breeder: Nunhems B.V., Haelen, The Netherlands	

<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Seed	Colour	black
Leaf	anthocyanin colouration	absent
Bolting	time of beginning under long days	very late
Resistance	Isolate Bl:16	present
Plant	type	crisp
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
'Lorciva'		
'Mestiza'		

<b>Varieties of Common Knowledge identified and subsequently excluded</b>					
<b>Variety</b>	<b>Distinguishing Characteristics</b>		<b>State of Expression in Candidate Variety</b>	<b>State of Expression in Comparator Variety</b>	<b>Comments</b>
'Lorciva'	Bolting	time of beginning under long days	very late	late	
'Lorciva'	resistance	Isolates: 22,24-31	present	absent	

<b>Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.</b>		
<b>Organ/Plant Part: Context</b>	<b>'Densilva'</b>	<b>'Mestiza'</b>
<input type="checkbox"/> *Seed: colour	black	black
<input type="checkbox"/> *Seedling: anthocyanin colouration	absent	absent
<input type="checkbox"/> Leaf: attitude at 10-12 leaf stage	semi-erect to prostrate	semi-erect
<input type="checkbox"/> Leaf blade: division	entire	entire
<input type="checkbox"/> *Plant: diameter	large	large to very large
<input type="checkbox"/> *Plant: head formation	closed head	closed head
<input type="checkbox"/> Head: degree of overlapping of upper part of leaves (varieties with closed head formation only)	very strong	very strong
<input type="checkbox"/> Head: density	very dense	medium to dense
<input type="checkbox"/> Head: size	medium to large	large
<input type="checkbox"/> *Head: shape in longitudinal section	circular	circular
<input type="checkbox"/> Leaf: thickness	medium to thick	medium to thick
<input type="checkbox"/> Leaf: attitude at harvest maturity	semi-erect to horizontal	semi-erect to horizontal
<input type="checkbox"/> *Leaf: shape	transverse broad elliptic	obovate
<input type="checkbox"/> Leaf: shape of tip	rounded	rounded
<input type="checkbox"/> *Leaf: hue of green colour of outer leaves	absent	absent
<input type="checkbox"/> *Leaf: intensity of colour of outer leaves	light to medium	medium
<input type="checkbox"/> *Leaf: anthocyanin colouration	absent	absent
<input type="checkbox"/> Leaf: glossiness of upper side	weak	medium to strong
<input type="checkbox"/> *Leaf: blistering	weak to medium	medium
<input type="checkbox"/> Leaf: size of blisters	small	small to medium

<input type="checkbox"/> *Leaf blade: degree of undulation of margin	weak to medium	medium
<input type="checkbox"/> Leaf blade: incisions of margin on apical part	present	present
<input checked="" type="checkbox"/> *Leaf blade: depth of incisions on margin on apical part	shallow to medium	very shallow to shallow
<input type="checkbox"/> Leaf blade: density of incisions on margin on apical part	medium	sparse
<input type="checkbox"/> Leaf blade: type of incisions on apical part (varieties with shallow incisions on margin on apical part only)	sinuate	sinuate
<input type="checkbox"/> Leaf blade: venation	flabellate	flabellate
<input type="checkbox"/> Axillary: sprouting	absent or very weak	absent or very weak
<input type="checkbox"/> Time of: harvest maturity	medium to late	medium
<input type="checkbox"/> *Time of: beginning of bolting under long day conditions	very late	late to very late
<input type="checkbox"/> Plant: fasciation	absent	present
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:2	present	present
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:5	present	present
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:7	present	present
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:12	present	present
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:14	present	present
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:15	present	present
<input type="checkbox"/> *Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:16	present	present
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:17	present	present
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:18	present	present
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:20	present	present
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:21	present	present
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia</i>	present	present

<i>lactucae</i> ) Isolate BI:22		
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:23	present	present
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:24	present	present
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:25	present	present
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI: 26	present	present
<input type="checkbox"/> Resistance to: downy mildew ( <i>Bremia lactucae</i> ) Isolate BI:27	present	present
<input type="checkbox"/> Resistance to: lettuce mosaic virus (LMV) Strain Ls 1	absent	absent
<input type="checkbox"/> Resistance to: Nasonovia ribisnigri biotype Nr:0	absent	absent

**Prior Applications and Sales:**

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
EU	2014	Pending	'DENSILVA'
The Netherlands	2014	Pending	'DENSILVA'

First sold in Australia on 1<sup>st</sup> December 2014 and in Germany on 1<sup>st</sup> August 2014

Description: **John Oates**, VF Solutions, Merimbula NSW 2548

<b>Details of Application</b>	
<b>Application Number</b>	2017/045
<b>Variety Name</b>	'SUPA2142'
<b>Genus Species</b>	<i>Argyranthemum frutescens</i>
<b>Common Name</b>	Marguerite Daisy
<b>Synonym</b>	N/A
<b>Accepted Date</b>	26 Apr 2017
<b>Applicant</b>	NuFlora International Pty Ltd, Picton, NSW, Australia
<b>Agent</b>	Ramm Botanicals Pty Ltd, Kangy Angy, NSW
<b>Qualified Person</b>	Megan Bartley
<b>Details of Comparative Trial</b>	
<b>Location</b>	Kangy Angy NSW
<b>Descriptor</b>	<i>Argyranthemum</i> new ( <i>Argyranthemum frutescens</i> ) TG/222/1
<b>Period</b>	June to November 2017
<b>Conditions</b>	Cutting derived plants of the Candidate and comparators were potted into 140mm standard black plastic pots. 5g of Osmocote Exact standard was added to the surface of the pot at planting. The plants were potted up to 200mm and 250mm pots during the trial. Standard recommended rates of Osmocote Exact was applied when repotted. No supplementary liquid fertiliser was used. Plants were grown in the open in full sun. Potting mix was a general-purpose type based on composted pine bark pH 5.9. No significant pest or disease was encountered during the trial.
<b>Trial Design</b>	20 plants each of the candidate and comparators were arranged in a randomised manner.
<b>Measurements</b>	Observations were taken from 10 randomly selected plants. In accordance with the Technical Guideline, measurements were taken when there were 5 flowers open on the main inflorescence.
<b>RHS Chart - edition</b>	RHS Chart 6th Edition 2015
<b>Origin and Breeding</b>	
Controlled pollination: SUPA2142 was developed as part of a conventional breeding program for <i>Argyranthemum</i> suited to growing in pots and garden use conducted by the Plant Breeding Institute at Cobbitty, NSW. Female parent 'X10.121.1' was crossed with pollen parent 'X10.86.2' in October 2011. 'SUPA2142' was selected for development on the basis of suitability to pot production, hardiness, vigour and desirable flower colour. Breeder: Dr Shuming Luo, Dulwich Hill, NSW, Australia.	

<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Ray floret	main colour of upper side	pink

Plant	height	short
Flower head	type	semi double
Flower head	diameter	medium to large
Leaf	colour of upper side	medium green
Disc	diameter	small to medium
Disc	main colour	red
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
‘SUPA2220’		

<b>Varieties of Common Knowledge identified and subsequently excluded</b>					
<b>Variety</b>	<b>Distinguishing Characteristics</b>		<b>State of Expression in Candidate Variety</b>	<b>State of Expression in Comparator Variety</b>	<b>Comments</b>
‘Lazarg1 129’	Ray floret	main colour of upper side	bright pink	paler pink	pink and yellow two toned flower with sprayed effect rather than solid pink
‘KLEAF 10067’	Ray floret	main colour of upperside	pink	yellow	A two toned pink and yellow flower with yellow rather than pink as the dominant colour
‘Honey Bees Cream Orange’	Ray floret	main colour of upper side	bright pink	paler pink	A two toned pink and yellow flower paler than the candidate

<b>Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.</b>		
<b>Organ/Plant Part: Context</b>	<b>‘SUPA2142’</b>	<b>‘SUPA2220’</b>
<input type="checkbox"/> Plant: growth habit	upright	rounded
<input type="checkbox"/> *Plant: height	short	short
<input type="checkbox"/> Plant: density	sparse to medium	medium
<input type="checkbox"/> Stem: anthocyanin colouration	absent	absent
<input checked="" type="checkbox"/> *Leaf: length	medium	long to very long
<input type="checkbox"/> *Leaf: width	narrow to medium	medium
<input type="checkbox"/> *Leaf: color of upper side	medium green	medium green

<input checked="" type="checkbox"/> Lateral lobe: length	short	medium
<input type="checkbox"/> Lateral lobe: width	medium	medium
<input type="checkbox"/> Lateral lobe: depth of marginal incisions	shallow	shallow
<input type="checkbox"/> Peduncle: length	short	short
<input type="checkbox"/> *Flower head: type	semi double	semi double
<input type="checkbox"/> *Flower head: diameter	medium	medium to large
<input type="checkbox"/> Flower head: number of ray florets (non single flower head type varieties only)	medium	medium
<input type="checkbox"/> Ray floret: curvature of longitudinal axis	straight	straight
<input type="checkbox"/> *Ray floret: length	medium to long	long
<input type="checkbox"/> *Ray floret: width	medium to broad	medium
<input checked="" type="checkbox"/> *Ray floret: number of colours	two	one
<input type="checkbox"/> *Ray floret: main colour of upper side (RHS Colour Chart)	60C with yellow at base	71B with white at base
<input checked="" type="checkbox"/> *Ray floret: secondary colour of upper side (RHS Colour Chart)	2C when opening	No secondary colour (except white at base)
<input type="checkbox"/> Ray floret: main colour of lower side (RHS Colour Chart)	62C	70B
<input type="checkbox"/> *Disc: diameter (varieties with flower head type: single; semi double; and anemone like only)	small to medium	small to medium
<input type="checkbox"/> *Disc: main colour (varieties with flower head type: single and semi double only)	red	red
<input checked="" type="checkbox"/> *Time of: beginning of flowering	early to medium	late

<b>Characteristics Additional to the Descriptor/TG</b>		
<b>Organ/Plant Part: Context</b>	<b>‘SUPA2142’</b>	<b>‘SUPA2220’</b>
<input checked="" type="checkbox"/> Ray floret: shape	elliptic	linear

### **Prior Applications and Sales:**

No prior applications.

First sold in Australia on 15<sup>th</sup> March 2016 as ‘Super Chameleon’.

Description: **Megan Bartley**, Kangy Angy, NSW

<b>Details of Application</b>	
<b>Application Number</b>	2014/278
<b>Variety Name</b>	'Kirotanze'
<b>Genus Species</b>	<i>Impatiens</i> hybrid
<b>Common Name</b>	New Guinea Impatiens
<b>Synonym</b>	
<b>Accepted Date</b>	25-Feb-2015
<b>Applicant</b>	Innovaplant Zierpflanzen GmbH & Co KG, Gensingen, Germany.
<b>Agent</b>	Haars Nursery Pty Ltd, Sommerville, Vic 3912
<b>Qualified Person</b>	Mark Lunghusen
<b>Details of Comparative Trial</b>	
<b>Location</b>	Tyabb, Vic
<b>Descriptor</b>	UPOV TG/196/2 and CPVO-TP/196/3 Impatiens
<b>Period</b>	Autumn to spring 2017
<b>Conditions</b>	Plants were grown in commercial pine bark based media fertilized with controlled release fertilizer and treated for insects and diseases as required. Plants were grown in open air with overhead watering as required.
<b>Trial Design</b>	10 plants in block design
<b>Measurements</b>	Taken from middle third of stem
<b>RHS Chart - edition</b>	Sixth edition
<b>Origin and Breeding</b>	
Controlled pollination followed by seedling selection: In October 2010 a cross was made with Impatiens '06-433' an un-protected in-house breeding variety as the female parent and '07-199', an un-protected in-house breeding variety as the male parent. Seed was selected from this cross and was sown, germinated and grown on for evaluation. From the resultant seedlings 'Kirotanze' was selected based on the flower colour and undulating petal margins. Breeder Silvia Hoffmann, Innovaplant Zierpflanzen GmbH & Co KG, Gensingen, Germany.	

<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Leaf Blade	marking of upper side	absent
Flower	type	single
Flower	number of colours (eye zone excluded)	one
Flower	main colour of upper side	red
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
'Grenada'		



<b>Varieties of Common Knowledge identified and subsequently excluded</b>					
<b>Variety</b>	<b>Distinguishing Characteristics</b>		<b>State of Expression in Candidate Variety</b>	<b>State of Expression in Comparator Variety</b>	<b>Comments</b>
'Celebrette Hot Pink'	Flower	Colour	Red	Pink	

<b>Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.</b>		
<b>Organ/Plant Part: Context</b>	<b>'Kirotanze'</b>	<b>'Grenada'</b>
<input type="checkbox"/> *Plant: height of foliage	short	short
<input type="checkbox"/> *Plant: width	narrow to medium	medium
<input checked="" type="checkbox"/> Shoot: anthocyanin colouration	very strong	weak to medium
<input checked="" type="checkbox"/> Petiole: length	long	medium
<input type="checkbox"/> Petiole: anthocyanin colouration on upper side	medium to strong	medium
<input type="checkbox"/> *Leaf blade: length	medium	short to medium
<input checked="" type="checkbox"/> *Leaf blade: width	medium to broad	narrow to medium
<input type="checkbox"/> *Leaf blade: marking of upper side	absent	absent
<input type="checkbox"/> *Leaf blade: anthocyanin colouration of upper side	absent or very weak	very weak to weak
<input checked="" type="checkbox"/> *Leaf blade: colour of lower side between veins	green	red
<input type="checkbox"/> *Leaf blade: colour of veins on lower side	red	red
<input type="checkbox"/> Pedicel: length	medium	medium to long
<input checked="" type="checkbox"/> Pedicel: anthocyanin colouration	strong to very strong	weak
<input type="checkbox"/> *Flower: type	single	single
<input checked="" type="checkbox"/> *Flower: width	medium to broad	narrow
<input type="checkbox"/> *Flower: number of colours	one	one
<input checked="" type="checkbox"/> *Flower: main colour of upper side (RHS Colour Chart)	Red 43C	Red 44D
<input type="checkbox"/> *Flower: eye zone	present	present
<input checked="" type="checkbox"/> *Flower: size of eye	large to very large	small to medium
<input checked="" type="checkbox"/> Flower: main colour of eye zone (RHS Colour Chart)	Red-Purple N57A	Pink NN74B
<input checked="" type="checkbox"/> Upper petal: width (varieties with single	broad	narrow

flowers only)		
<input checked="" type="checkbox"/> Lateral petal: width (varieties with single flowers only)	medium	very narrow to narrow
<input checked="" type="checkbox"/> Lower petal: length (varieties with single flowers only)	medium to long	short
<input checked="" type="checkbox"/> Lower petal: depth of incision (varieties with single flowers only)	deep to very deep	medium to deep
<input checked="" type="checkbox"/> Spur: degree of curvature	strong	weak

**Prior Applications and Sales:**

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
EU	2011	Granted	'Kirotanze'

First sold in Australia on 21<sup>st</sup> November 2013

Description: **Mark Lunghusen**, Australian Horticultural Services Pty Ltd, Wonga Park VIC 3115

<b>Details of Application</b>	
<b>Application Number</b>	2014/304
<b>Variety Name</b>	'Kironanete'
<b>Genus Species</b>	<i>Impatiens</i> hybrid
<b>Common Name</b>	New Guinea Impatiens
<b>Synonym</b>	
<b>Accepted Date</b>	25 Feb 2015
<b>Applicant</b>	Innovaplant Zierpflanzen GmbH & Co KG
<b>Agent</b>	Haars Nursery Pty Ltd
<b>Qualified Person</b>	Mark Lunghusen
<b>Details of Comparative Trial</b>	
<b>Location</b>	Tyabb, Vic
<b>Descriptor</b>	TG/196/2
<b>Period</b>	Autumn to spring 2017
<b>Conditions</b>	Plants were grown in commercial pine bark based media fertilized with controlled release fertilizer and treated for insects and diseases as required. Plants were grown in open air with overhead watering as required.
<b>Trial Design</b>	10 plants in block design
<b>Measurements</b>	Taken from middle third of stem
<b>RHS Chart - edition</b>	Sixth edition
<b>Origin and Breeding</b>	
Controlled pollination followed by seedling selection: In November 2010 a cross was made with <i>Impatiens</i> '010-92' an un-protected in-house breeding variety as the female parent and '09-011', an un-protected in-house breeding variety as the male parent. Seed was selected from this cross and was sown, germinated and grown on for evaluation. From the resultant seedlings Kironanete was selected based on the flower colour and undulating petal margins. Breeder: Silvia Hoffmann, Gensingen, Germany.	

<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Leaf blade	marking of upper side	absent
Flower	type	single
Flower	number of colours (eye zone excluded)	one
Flower	main colour of upper side	red
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
'Kirotanze'	red flower	
'Martinique Grande'	red flower	

<b>Varieties of Common Knowledge identified and subsequently excluded</b>					
<b>Variety</b>	<b>Distinguishing Characteristics</b>		<b>State of Expression in Candidate Variety</b>	<b>State of Expression in Comparator Variety</b>	<b>Comments</b>
'Infinity Crimson'	Plant	Height	Short	tall	

<b>Variety Description and Distinctness - Characteristics which distinguish the candidate from the comparators are marked with a tick.</b>			
<b>Organ/Plant Part: Context</b>	<b>'Kironanete'</b>	<b>'Kirotanze'</b>	<b>'Martinique Grande'</b>
<input type="checkbox"/> *Plant: height of foliage	short	short	short
<input type="checkbox"/> *Plant: width	narrow to medium	narrow to medium	narrow to medium
<input type="checkbox"/> Shoot: anthocyanin colouration	very strong	very strong	very strong
<input checked="" type="checkbox"/> Petiole: length	long	long	very long
<input checked="" type="checkbox"/> Petiole: anthocyanin colouration on upper side	medium	medium to strong	strong
<input type="checkbox"/> *Leaf blade: length	short to medium	medium	short to medium
<input type="checkbox"/> *Leaf blade: width	medium	medium to broad	medium
<input type="checkbox"/> *Leaf blade: marking of upper side	absent	absent	absent
<input type="checkbox"/> *Leaf blade: anthocyanin colouration of upper side	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/> *Leaf blade: colour of lower side between veins	green	green	green
<input type="checkbox"/> *Leaf blade: colour of veins on lower side	red	red	red
<input checked="" type="checkbox"/> Pedicel: length	medium	medium	long to very long
<input checked="" type="checkbox"/> Pedicel: anthocyanin colouration	medium to strong	strong to very strong	very strong
<input type="checkbox"/> *Flower: type	single	single	single
<input checked="" type="checkbox"/> *Flower: width	medium to broad	medium to broad	very broad
<input type="checkbox"/> *Flower: number of colours	one	one	one

<input type="checkbox"/> *Flower: main colour of upper side (RHS Colour Chart)	red 45B	red 43C	red 45B
<input type="checkbox"/> *Flower: eye zone	present	present	present
<input checked="" type="checkbox"/> *Flower: size of eye	small to medium	large to very large	medium
<input checked="" type="checkbox"/> Flower: main colour of eye zone (RHS Colour Chart)	red 53CS	red-purple n57A	red n45A
<input checked="" type="checkbox"/> Upper petal: width (varieties with single flowers only)	medium to broad	broad	very broad
<input checked="" type="checkbox"/> Lateral petal: width (varieties with single flowers only)	medium to broad	medium	broad to very broad
<input checked="" type="checkbox"/> Lower petal: length (varieties with single flowers only)	medium to long	medium to long	long to very long
<input checked="" type="checkbox"/> Lower petal: depth of incision (varieties with single flowers only)	deep	deep to very deep	medium
<input type="checkbox"/> Spur: degree of curvature	medium to strong	strong	medium to strong

### **Prior Applications and Sales:**

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
USA	2014	Granted	'Kironanete'

First sold in Australia on 21<sup>st</sup> November 2013

Description: **Mark Lughusen**, Australian Horticultural Services Pty Ltd, Wonga Park, Vic 3115

<b>Details of Application</b>		
<b>Application Number</b>	2014/204	
<b>Variety Name</b>	'Graza 53'	
<b>Genus Species</b>	<i>Avena sativa</i>	
<b>Common Name</b>	Oats	
<b>Synonym</b>	Nil	
<b>Accepted Date</b>	7 October 2014	
<b>Applicant</b>	Her Majesty The Queen in Right of Canada as represented by the Minister of Agriculture and Agri-Food, Lacombe, Alberta, Canada.	
<b>Agent</b>	Austgrains Pty Ltd, Moree, NSW	
<b>Qualified Person</b>	Stephen Moore	
<b>Details of Comparative Trial</b>		
<b>Location</b>	The University of Sydney Plant Breeding Institute, Narrabri, NSW	
<b>Descriptor</b>	Oats ( <i>Avena sativa</i> ) UPOV TG/20/10	
<b>Period</b>	June to November 2017	
<b>Conditions</b>	Sown into long fallow self-mulching grey clay soil, field I6. Propagation methods the same for all varieties. All plants growing normally	
<b>Trial Design</b>	Plots arranged in randomised complete blocks, 12m long and 2m wide (5 rows) in 6 replicates	
<b>Measurements</b>	Taken from 20 random plants per replicate from approximately 2,500 plants	
<b>RHS Chart - edition</b>	N/A	
<b>Origin and Breeding</b>		
Controlled pollination: 2004-2007 crossing performed in Canada. Lines sent to Ag Canada Breeding nursery in Palmerston North, New Zealand for selection in 2007. Selected lines at Ag Canada Breeding nursery, Palmerston North NZ sent to QAS. Quarantine NO IP 07002693 2008 lines grown out by HSR Group at Orbost, Victoria. Australia Seed Production Agreement SSS JRC: 1263-9942 grown out by Plant Tech at Ararat, Victoria and Tocumwal, NSW for further selection. 2010 lines grown and selections made by Plant Tech at Tamworth, NSW 2011. Lines grown out at Heritage Seeds Nursery, Howlong, NSW. 2012 Lines selected and bulked up at Farm "West Merribee", Binya, NSW. 'Graza 53' selected to be bulked up (not planted) due to seasonal conditions. Breeder: Dr Jennifer Mitchel Fetch, Agriculture & Agri-Food Canada Research Centre, Lacombe, Alberta, Canada.		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Leaf blade	hairiness of margins of leaf below flag leaf	absent or very weak
Panicle	attitude of spikelets	pendulous
Grain	husk	present
Primary grain	glaucosity of lemma	absent

Primary grain	hairiness of back of lemma	absent
Grain	colour of lemma	yellow

**Most Similar Varieties of Common Knowledge identified (VCK)**

Name	Comments
'Aladdin'	
'Comet'	
'Genie'	
'Taipan'	

**Varieties of Common Knowledge identified and subsequently excluded**

Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety
'Drover'	Plant	time of panicle emergence	medium	very early to early
'Graza 80'	Plant	time of panicle emergence	medium	late
'Graza 85'	Panicle	orientation of branches	unilateral	equilateral
'Graza 51'	Panicle	orientation of branches	unilateral	equilateral

**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	'Graza 53'	'Aladdin'	'Comet'	'Genie'	'Taipan'
<input checked="" type="checkbox"/> Plant: growth habit	intermediate to semi-prostrate	semi-erect to intermediate	semi-prostrate	prostrate	intermediate
<input checked="" type="checkbox"/> Lowest leaves: hairiness of sheaths	weak	absent or very weak	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/> *Leaf blade: hairiness of margins of leaf below flag leaf	absent or very weak	absent or very weak	absent or very weak	absent or very weak	absent or very weak
<input checked="" type="checkbox"/> Plant: frequency of plants with recurved flag leaves	absent or very low	medium	low	very low to low	medium to high
<input type="checkbox"/> *Stem: hairiness of uppermost node	absent	absent	absent	absent	absent
<input checked="" type="checkbox"/> Panicle: orientation of branches	unilateral	equilateral	equilateral	equilateral	equilateral
<input type="checkbox"/> Panicle: attitude of branches	semi-erect	semi-erect	semi-erect	semi-erect	semi-erect
<input type="checkbox"/> Panicle: attitude of spikelets	pendulous	pendulous	pendulous	pendulous	pendulous
<input type="checkbox"/> Glumes: glaucosity	absent or very weak	absent or very weak	absent or very weak	absent or very weak	weak
<input type="checkbox"/> Glumes: length	medium to long	medium	medium to long	medium to long	medium

<input type="checkbox"/> *Primary grain: glaucosity of lemma	absent	absent	absent	absent	absent
<input type="checkbox"/> *Grain: husk	present	present	present	present	present
<input checked="" type="checkbox"/> Primary grain: tendency to be awned	absent or very weak	weak	weak to medium	weak	very strong
<input type="checkbox"/> Primary grain: length of lemma	medium	medium	medium	medium	medium
<input type="checkbox"/> *Grain: colour of lemma	yellow	yellow	yellow	yellow	yellow
<input type="checkbox"/> Primary grain: hairiness of back of lemma	absent	absent	absent	absent	absent
<input checked="" type="checkbox"/> Primary grain: hairiness of base	weak to medium	absent or very weak	very weak to weak	absent or very weak	absent or very weak
<input checked="" type="checkbox"/> Primary grain: length of basal hairs	medium to long	short	short	short to medium	-

#### **Statistical Table**

<b>Organ/Plant Part: Context</b>	<b>‘Graza 53’</b>	<b>‘Aladdin’</b>	<b>‘Comet’</b>	<b>‘Genie’</b>	<b>‘Taipan’</b>
<input checked="" type="checkbox"/> Plant: length (cm)					
Mean	102.70	91.12	107.56	108.62	99.12
Std. Deviation	6.80	7.96	4.99	6.67	5.90
LSD/sig	7.46	P≤0.01	ns	ns	ns
<input checked="" type="checkbox"/> Panicle: length (cm)					
Mean	24.42	20.70	23.70	24.20	21.40
Std. Deviation	3.41	2.99	1.63	3.64	2.14
LSD/sig	3.33	P≤0.01	ns	ns	ns
<input checked="" type="checkbox"/> Primary grain: length of rachilla (mm)					
Mean	2.45	2.10	2.20	2.20	2.30
Std. Deviation	0.15	0.29	0.17	0.18	0.21
LSD/sig	0.20	P≤0.01	P≤0.01	P≤0.01	ns
<input checked="" type="checkbox"/> Plant: time of panicle emergence (Julian days)					
Mean	290.00	283.00	284.00	282.00	282.00
Std. Deviation	2.15	1.22	0.89	1.21	0.98
LSD/sig	1.25	P≤0.01	P≤0.01	P≤0.01	P≤0.01

#### **Prior Applications and Sales**

Nil.

Description: **Stephen Moore**, Kew, NSW.

Note: This is an amended detailed description. The original description was published in Plant Varieties Journal Vol. 28 No.3.



<b>Details of Application</b>		
<b>Application Number</b>	2014/110	
<b>Variety Name</b>	'Graza 85'	
<b>Genus Species</b>	<i>Avena sativa</i>	
<b>Common Name</b>	Oats	
<b>Synonym</b>	Nil	
<b>Accepted Date</b>	27 Jun 2014	
<b>Applicant</b>	Her Majesty The Queen in Right of Canada as represented by the Minister of Agriculture and Agri-Food, Lacombe, Alberta, Canada.	
<b>Agent</b>	Austgrains Pty Ltd, Moree, NSW	
<b>Qualified Person</b>	Stephen Moore	
<b>Details of Comparative Trial</b>		
<b>Location</b>	The University of Sydney Plant Breeding Institute, Narrabri, NSW	
<b>Descriptor</b>	Oats ( <i>Avena sativa</i> ) UPOV TG/20/10	
<b>Period</b>	June to November 2017	
<b>Conditions</b>	Sown into long fallow self-mulching grey clay soil, field I6. Propagation methods the same for all varieties. All plants growing normally	
<b>Trial Design</b>	Plots arranged in randomised complete blocks, 12m long and 2m wide (5 rows) in 6 replicates	
<b>Measurements</b>	Taken from 20 random plants per replicate from approximately 2,500 plants	
<b>RHS Chart - edition</b>	N/A	
<b>Origin and Breeding</b>		
Controlled pollination: 2004-2007 crossing performed in Canada. Lines sent to Ag Canada Breeding Nursery in Palmerston North, New Zealand for selection. Selected lines at Ag Canada Breeding Nursery, Palmerston North, New Zealand sent to Australia via QAS Quarantine No. IP 07002693. In 2008 lines grown out by HSR Group at Orbost, Victoria Australia under Seed Production Agreement SSS:JRC:1263-9942 . Lines grown out in 2009 by Plant Tech lines at Ararat, Victoria and Tocumwal, NSW for further selection. During 2010 lines grown and selections made by Plant Tech at Tamworth, NSW. Lines grown out in 2011 at Heritage Seeds Nursery, Howlong, NSW. Selected line 'Graza 85' bulked up in 2012 at Farm "West Merribee", Binya, NSW. 'Graza 85' further bulked up at Farm "West Merribee", Binya, NSW. Breeder: Dr Jennifer Mitchel Fetch, Agriculture & Agri-Food Canada Research Centre, Lacombe, Alberta, Canada.		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Leaf blade	hairiness of margins of leaf below flag leaf	absent or very weak
Panicle	attitude of spikelets	pendulous

Grain	husk	present
Primary grain	glaucosity of lemma	absent
Primary grain	hairiness of back of lemma	absent
Grain	colour of lemma	yellow

#### Most Similar Varieties of Common Knowledge identified (VCK)

Name	Comments
'Aladdin'	
'Comet'	
'Genie'	
'Taipan'	

#### Varieties of Common Knowledge identified and subsequently excluded

Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety
'Drover'	Plant	time of panicle emergence	medium	very early to early
'Graza 80'	Plant	time of panicle emergence	medium	late
'Graza 53'	Panicle	orientation of branches	equilateral	unilateral
'Graza 51'	Stem	hairiness of uppermost node	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	'Graza 85'	'Aladdin'	'Comet'	'Genie'	'Taipan'
<input checked="" type="checkbox"/> Plant: growth habit	intermediate to semi-prostrate	semi-erect to intermediate	semi-prostrate	prostrate	intermediate
<input type="checkbox"/> Lowest leaves: hairiness of sheaths	absent or very weak	absent or very weak	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/> *Leaf blade: hairiness of margins of leaf below flag leaf	absent or very weak	absent or very weak	absent or very weak	absent or very weak	absent or very weak
<input checked="" type="checkbox"/> Plant: frequency of plants with recurved flag leaves	medium	medium	low	very low to low	medium to high
<input type="checkbox"/> *Stem: hairiness of uppermost node	absent	absent	absent	absent	absent
<input type="checkbox"/> Panicle: orientation of branches	equilateral	equilateral	equilateral	equilateral	equilateral
<input type="checkbox"/> Panicle: attitude of branches	semi-erect	semi-erect	semi-erect	semi-erect	semi-erect
<input type="checkbox"/> Panicle: attitude of spikelets	pendulous	pendulous	pendulous	pendulous	pendulous
<input type="checkbox"/> Glumes: glaucosity	absent or very weak	absent or very weak	absent or very weak	absent or very weak	weak

<input type="checkbox"/> Glumes: length	medium to long	medium	medium to long	medium to long	medium
<input type="checkbox"/> *Primary grain: glaucosity of lemma	absent	absent	absent	absent	absent
<input type="checkbox"/> *Grain: husk	present	present	present	present	present
<input checked="" type="checkbox"/> Primary grain: tendency to be awned	absent or very weak	weak	weak to medium	weak	very strong
<input type="checkbox"/> Primary grain: length of lemma	medium	medium	medium	medium	medium
<input type="checkbox"/> *Grain: colour of lemma	yellow	yellow	yellow	yellow	yellow
<input type="checkbox"/> Primary grain: hairiness of back of lemma	absent	absent	absent	absent	absent
<input checked="" type="checkbox"/> Primary grain: hairiness of base	strong	absent or very weak	very weak to weak	absent or very weak	absent or very weak
<input checked="" type="checkbox"/> Primary grain: length of basal hairs	long	short	short	short to medium	-

### **Statistical Table**

<b>Organ/Plant Part: Context</b>	<b>‘Graza 85’</b>	<b>‘Aladdin’</b>	<b>‘Comet’</b>	<b>‘Genie’</b>	<b>‘Taipan’</b>
<input checked="" type="checkbox"/> Plant: length (cm)					
Mean	107.30	91.12	107.56	108.62	99.12
Std. Deviation	7.09	7.96	4.99	6.67	5.90
LSD/sig	7.9	P≤0.01	ns	ns	P≤0.01
<input checked="" type="checkbox"/> Panicle: length (cm)					
Mean	30.00	20.70	23.70	24.20	21.40
Std. Deviation	3.37	2.99	1.63	3.64	2.14
LSD/sig	3.33	P≤0.01	P≤0.01	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Primary grain: length of rachilla (mm)					
Mean	2.03	2.10	2.20	2.20	2.30
Std. Deviation	0.15	0.29	0.17	0.18	0.21
LSD/sig	0.21	ns	ns	ns	P≤0.01
<input checked="" type="checkbox"/> Plant: time of panicle emergence (Julian days)					
Mean	290.00	283.00	284.00	282.00	282.00
Std. Deviation	1.72	1.22	0.89	1.21	0.98
LSD/sig	1.14	P≤0.01	P≤0.01	P≤0.01	P≤0.01

### **Prior Applications and Sales**

Nil.

Description: **Stephen Moore**, Kew, NSW.

Note: This is an amended detailed description. The original description was published in Plant Varieties Journal Vol. 28 No.3.

<b>Details of Application</b>		
<b>Application Number</b>	2017/275	
<b>Variety Name</b>	'Bilby'	
<b>Genus Species</b>	<i>Avena sativa</i>	
<b>Common Name</b>	Oats	
<b>Synonym</b>	Nil	
<b>Accepted Date</b>	17 Nov 2017	
<b>Applicant</b>	Minister for Agriculture, Food and Fisheries (through SARDI), Adelaide, South Australia; Grains Research and Development Corporation (GRDC), Kingston, ACT, Australia	
<b>Agent</b>	n/a	
<b>Qualified Person</b>	Michelle Williams	
<b>Details of Comparative Trial</b>		
<b>Location</b>	Turretfield Research Centre, SA	
<b>Descriptor</b>	UPOV TG/20/10 for Oats	
<b>Period</b>	03/07/2017 to 14/12/2017	
<b>Conditions</b>	A trial was sown on the 3rd of July 2017 at Turretfield Research Centre on a red brown earth soil with Mediterranean climate. The trial was replicated with 3 reps. Plot size was 5 rows x 210mm spacing x 5m length.	
<b>Trial Design</b>	Randomised Complete Block Design	
<b>Measurements</b>	Measurements were taken in the metric system following UPOV guidelines	
<b>RHS Chart - edition</b>	n/a	
<b>Origin and Breeding</b>		
Controlled pollination: In 2006 the breeder's line 98011-6 was control pollinated with the breeder's line 98240-19. F3 seed of the cross was sown as a population at Kingsford Research Centre (near Gawler, SA) in 2008 and single heads selected. 06204-16 was the sixteenth head selected from the cross 06204. It was promoted to unreplicated trials in winter 2010 and to replicated trials in 2012. 06204-16 was promoted to stage 4 replicated grain trials in 2013 and has remained in these trials since that time. Breeder: Dr Pamela Zwer and Ms Sue Hoppo, Adelaide, South Australia.		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Seed	lignin content	high
Roots	cereal cyst nematode	susceptible
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
'Mitika'	Hull Lignin	
'Bannister'	Cereal Cyst Nematode	

<b>Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.</b>			
<b>Organ/Plant Part: Context</b>	<b>'Bilby'</b>	<b>'Bannister'</b>	<b>'Mitika'</b>
<input type="checkbox"/> Plant: growth habit	semi-erect	semi-erect	intermediate
<input type="checkbox"/> Lowest leaves: hairiness of sheaths	absent or very weak	medium	absent or very weak
<input type="checkbox"/> *Leaf blade: hairiness of margins of leaf below flag leaf	absent or very weak	medium	weak
<input type="checkbox"/> *Time of: panicle emergence	early to medium	early to medium	early
<input type="checkbox"/> *Stem: hairiness of uppermost node	absent	present	present
<input type="checkbox"/> Panicle: orientation of branches	equilateral	equilateral	equilateral
<input type="checkbox"/> Panicle: attitude of branches	semi-erect	semi-erect	semi-erect
<input type="checkbox"/> Panicle: attitude of spikelets	pendulous	pendulous	pendulous
<input type="checkbox"/> Glumes: glaucosity	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/> Glumes: length	medium to long	medium to long	medium
<input type="checkbox"/> *Primary grain: glaucosity of lemma	absent	absent	absent
<input type="checkbox"/> *Plant: length	medium	medium	very short
<input type="checkbox"/> Panicle: length	short	short	short
<input type="checkbox"/> *Grain: husk	present	present	present
<input type="checkbox"/> Primary grain: tendency to be awned	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/> Primary grain: length of lemma	short	short	medium
<input checked="" type="checkbox"/> *Grain: colour of lemma	yellow	brown	brown
<input type="checkbox"/> Primary grain: hairiness of back of lemma	absent	absent	absent
<input type="checkbox"/> Primary grain: hairiness of base	absent or very weak	absent or very weak	weak
<input type="checkbox"/> Primary grain: length of basal hairs	very short	very short	short to medium
<input type="checkbox"/> Primary grain: length of rachilla	short	short	short

### **Prior Applications and Sales: Nil**

Description: **Michelle Williams**, SARDI, Adelaide, South Australia

<b>Details of Application</b>		
<b>Application Number</b>	2017/330	
<b>Variety Name</b>	'SPFR1'	
<b>Genus Species</b>	<i>Ipomoea batatas</i>	
<b>Common Name</b>	Sweet Potato	
<b>Synonym</b>	Nil	
<b>Accepted Date</b>	18 Dec 2017	
<b>Applicant</b>	The New Zealand Institute for Plant and Food Research Limited, Auckland, New Zealand	
<b>Agent</b>	A J Park, Canberra, ACT	
<b>Qualified Person</b>	Stephen Lewthwaite	
<b>Details of Comparative Trial</b>		
<b>Overseas Testing Authority</b>	New Zealand Plant Variety Office	
<b>Overseas Data Reference Number</b>	VEM016	
<b>Location</b>	Pukekohe, New Zealand	
<b>Descriptor</b>	UPOV TG/258/1 (2010)	
<b>Period</b>	2014-2015	
<b>Conditions</b>	Field grown trial	
<b>Trial Design</b>	Replicated block design. A plot consisted of 20 plants, with each cultivar replicated three times.	
<b>Measurements</b>	Observations made on plants/plant parts derived from 30 plants.	
<b>RHS Chart - edition</b>	N/A	
<b>Origin and Breeding</b>		
Controlled pollination: The variety was derived from crossing flowers of 'Beauregard' and 'Radical'. A seed from the cross was germinated and planted in the field at the Plant and Food Research Pukekohe Research Centre. This clone was selected at harvest in 2011, as it produced attractive roots with deep purple skin and flesh. The clone is maintained vegetatively by sprouting storage roots then detaching and planting the sprouts in the field to produce the subsequent crop. Breeder: The New Zealand Institute for Plant and Food Research Limited, Auckland, New Zealand		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Storage root	main colour of flesh	purple
Storage root	shape	oblong
Storage root	main colour of the skin	medium purple

<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>				
<b>Name</b>		<b>Comments</b>		
'Beauregard'		seed parent		
'Radical'		pollen parent		
'Purple Star'				
<b>Varieties of Common Knowledge identified and subsequently excluded</b>				
<b>Variety</b>	<b>Distinguishing Characteristics</b>		<b>State of Expression in Candidate Variety</b>	<b>State of Expression in Comparator Variety</b>
'Beauregard'	Storage root	main flesh colour	purple	orange
'Purple Star'	Storage root	shape	oblong	elliptic

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

<b>Organ/Plant Part: Context</b>	<b>'SPFR1'</b>	<b>'Radical'</b>
<input type="checkbox"/> *Plant: growth habit	semi-upright	semi-upright
<input type="checkbox"/> Stem: length of primary shoots	medium	medium
<input type="checkbox"/> Stem: length of internode	short	short
<input type="checkbox"/> Stem: diameter of internode	small	medium
<input type="checkbox"/> Stem: anthocyanin colouration of internode	medium	strong
<input type="checkbox"/> *Stem: anthocyanin colouration of tip	medium	medium
<input type="checkbox"/> Stem: anthocyanin coloration of node	medium	strong
<input type="checkbox"/> *Stem: pubescence of tip	absent or sparse	medium
<input checked="" type="checkbox"/> *Leaf blade: lobes	three lobes	absent
<input type="checkbox"/> Leaf blade: depth of lobing (varieties with leaf blade lobes present only)	shallow	-
<input type="checkbox"/> Leaf blade: colour (excluding anthocyanin coloration)	green	green
<input type="checkbox"/> Leaf blade: anthocyanin colouration of upper side	absent or weak	absent or weak
<input type="checkbox"/> Leaf blade: extent of anthocyanin colouration on abaxial veins	small	medium
<input type="checkbox"/> Leaf blade: intensity of anthocyanin colouration on abaxial veins	medium	weak

<input checked="" type="checkbox"/> Young leaf blade: main colour on upper side	medium green	medium purple
<input type="checkbox"/> *Petiole: anthocyanin colouration	absent or very weak	strong
<input type="checkbox"/> Petiole: length	short	medium
<input type="checkbox"/> *Storage root: shape	oblong	oblong
<input type="checkbox"/> Storage root: ratio length/width	medium	moderately elongated
<input type="checkbox"/> Storage root: thickness of cortex relative to overall diameter	medium	medium
<input type="checkbox"/> *Storage root: main colour of skin	medium purple	medium purple
<input type="checkbox"/> Storage root: secondary colour of skin	absent	absent
<input type="checkbox"/> *Storage root: main colour of flesh	purple	purple
<input type="checkbox"/> Storage root: intensity of main colour of flesh	dark	dark
<input type="checkbox"/> Storage root: depth of eyes	shallow	shallow

**Prior Applications and Sales:**

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
New Zealand	2014	Granted	'SPFR1'

First sold in New Zealand in Feb 2014.

Description: **Stephen Lewthwaite**, The New Zealand Institute for Plant and Food Research Limited, Pukekohe, New Zealand.



<b>Details of Application</b>	
<b>Application Number</b>	2018/062
<b>Variety Name</b>	'Wooroolin Runner'
<b>Genus Species</b>	<i>Arachis hypogaea</i>
<b>Common Name</b>	Peanut
<b>Accepted Date</b>	18 Apr 2018
<b>Applicant</b>	G Crumpton and Sons and Company Pty Ltd, Crawford, QLD
<b>Qualified Person</b>	Dr Donald S. Loch
<b>Details of Comparative Trial</b>	
<b>Location</b>	Memerambi, QLD, Australia (Latitude 26°26'S, longitude 151°49'E, elevation 462 masl)
<b>Descriptor</b>	UPOV TG/93/4
<b>Period</b>	8 Dec 2017 – 11 May 2018
<b>Conditions</b>	Seed sown on 8 Dec 2017 in 90 cm rows (5 seeds per plot) on a red volcanic (krasnozem or ferrosol) soil under rain-grown (i.e. dryland) conditions; seed treated with azoxystrobin (Dynasty). Weed control by pre-emergence metolachlor (Clincher Plus) prior to planting, followed 30 days after germination by an application of imazapic (Flame). Applied 4 tonnes of pig manure during fallow approx. one month before planting; applied 60 kg/ha of muriate of potash and 60 kg DAP (di-ammonium phosphate) just prior to planting. Sprayed with azoxystrobin + cyproconazole (Amistar Xtra) 10 weeks after planting.
<b>Trial Design</b>	30 plants of each of 6 cultivars ('Wooroolin Runner', 'NC7', 'Wheeler', 'Fisher' 'UF98509' syn. Holt, 'MRVB') arranged in 6 randomised blocks with 5 plants per plot in single rows 90 cm apart; 15 cm between plants in the row.
<b>Measurements</b>	Numbers of lateral branches counted and leaf characteristics measured on 4 May 2018 (one leaf per plant sampled from ±5th visible node from the apex on a strongly growing lateral branch). Mature seeds harvested from each plot on 11 May 2018; pod and kernel (seed) lengths (25 measurements per plot sample, 2-seeded pods only) completed on 20 Jun 2018. Analyses of variance (ANOVAs) conducted with Genstat Release 12; differences significant at the 1% level quantified using Fisher's protected LSDs.
<b>RHS Chart - edition</b>	5th edition
<b>Origin and Breeding</b>	
Seedling selection: A mixed field sowing of 'Wheeler' and 'NC-7' in the early 2000s produced some natural hybrid seedlings that were noted in the following generation. The progeny of these hybrid plants were then bulked to create an experimental population which was grown for several years and allowed to segregate naturally via self-pollination. In the 2011-12 growing season, single plant selections were made from the segregating bulk population, one of which (C12-075) was the progenitor of the present variety. From the next generation, four morphologically similar plants were bulked and re-sown. The second and third generations from the single plant	

selections consisted of bulks of twenty morphologically similar plants. Uniformity of the final selections was assessed at the end of the 2014-15 growing season and re-confirmed at the start of the 2015-16 season. Thereafter, seed increase was from bulking all plants of the current generation. In summary, the pedigree string for 'Wooroolin Runner' was C12-075 (single plant) - B1 (4-plant bulk) - B1 (20-plant bulk) - B1 (20-plant bulk). Breeder: Ian Haak (G Crumpton and Sons and Company Pty Ltd, Crawford, 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
Crop maturity	number of days to harvest	very late (155 days)
Kernel	size (100 kernel weight)	medium or high

**Most Similar Varieties of Common Knowledge identified (VCK)**

Name	Comments
'NC7'	Old American cultivar; parent of 'Wooroolin Runner'
'Wheeler'	Application No. 2003/049; granted 23 Jul 2004; parent of 'Wooroolin Runner'
'Fisher'	Application No. 2007/087; granted 25 Aug 2010
'UF98509' syn. Holt	Application No. 2003/317; granted 15 Jun 2005
'MRVB'	Application No. 2018/063; 'sister variety to 'Wooroolin Runner'

**Varieties of Common Knowledge identified and subsequently excluded**

Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Middleton'	Kernel	colour of testa	beige	pink	application no. 2003/048; granted 23 Jul 2004
'Middleton'	Crop maturity	number of days to harvest	155 days	140 days	
'Page'	Kernel	colour of testa	beige	pink	application no. 2007/089; granted 30 Sep 2010
'Page'	Crop maturity	number of days to harvest	155 days	120 days	
'Kairi'	Kernel	colour of testa	beige	pink	application no. 2015/011; granted 28 Feb 2017
'Kairi'	Kernel	size (100 kernel weight)	medium	small	

'Redvale'	Crop maturity	number of days to harvest	155 days	105 days	application no. 2013/033; granted 23 Apr 2015
'Redvale'	Kernel	size (100 kernel weight)	medium	small	
'Taabinga'	Crop maturity	number of days to harvest	155 days	105 days	application no. 2015/012; granted 28 Feb 2017
'Taabinga'	Kernel	size (100 kernel weight)	medium	small	
'CP99'	Crop maturity	number of days to harvest	155 days	105 days	application no. 2015/025; granted 18 Aug 2017
'CP99'	Kernel	colour of testa	beige	pink	
'EC-98 (AO)'	Kernel	colour of testa	beige	pink	application no. 2015/024; granted 19 Sep 2016
'Tamrun OL11'	Kernel	colour of testa	beige	pink	application no. 2015/023; granted 19 Sep 2016

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

<b>Organ/Plant Part: Context</b>	<b>'Wooroolin Runner'</b>	<b>'Fisher'</b>	<b>'MRVB'</b>	<b>'NC7'</b>	<b>'Wheeler'</b>	<b>'UF98509' syn. Holt</b>
<input type="checkbox"/> Plant: density	dense	dense	dense	dense	dense	dense
<input type="checkbox"/> Stem: anthocyanin colouration	absent or weak	absent or weak	absent or weak	absent or weak	absent or weak	absent or weak
<input type="checkbox"/> Main stem: presence of flowers	absent	absent	absent	absent	absent	absent
<input type="checkbox"/> Leaf: intensity of green colour	medium	medium	medium	medium	medium	medium
<input checked="" type="checkbox"/> Leaflet: length	medium	medium	medium	medium	long	medium
<input checked="" type="checkbox"/> Leaflet: position of broadest part	moderately towards apex	at middle	strongly towards apex	at middle	at middle	strongly towards apex
<input checked="" type="checkbox"/> Leaflet: shape of apex	broad pointed	narrow pointed	rounded	broad pointed	broad pointed	broad pointed
<input type="checkbox"/> Primary branch: flowering pattern	sequential	sequential	sequential	sequential	sequential	sequential
<input checked="" type="checkbox"/> Pod: constrictions	absent or very weak	medium	absent or very weak	weak	weak	weak

<input type="checkbox"/> Pod: reticulation of surface	weak	weak	weak	medium	weak	weak
<input type="checkbox"/> Pod: number of kernels	two	two	two	two	two	two
<input type="checkbox"/> Kernel: presence of secondary colour of testa	absent	absent	absent	absent	absent	absent
<input type="checkbox"/> Kernel: 100 kernel weight	medium	high	high	high	high	medium
<input type="checkbox"/> Pod: thickness of shell	thin	thin	thin	thin	thin	thin

### Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'Wooroolin Runner'	'Fisher'	'MRVB'	'NC7'	'Wheeler'	'UF98509' syn. Holt
<input checked="" type="checkbox"/> Plant: growth habit	prostrate	medium	medium	semi-erect	erect	semi-prostrate
<input type="checkbox"/> Leaf: colour (RHS)	146A	144A	146B	146A	146A	146A
<input checked="" type="checkbox"/> Plant: branching	sparse to medium	profuse	medium	medium	medium to profuse	profuse
<input checked="" type="checkbox"/> Pod: prominence of beak	absent or very weak	absent or very weak	absent or very weak	medium	absent or very weak	absent or very weak
<input checked="" type="checkbox"/> Pod: prominence of keel	absent or very weak	absent or very weak	absent or very weak	medium	absent or very weak	absent or very weak
<input checked="" type="checkbox"/> Kernel: shape	cylindrical	cylindrical	cylindrical	cylindrical	cylindrical	truncated
<input type="checkbox"/> Kernel: main colour of testa	beige	beige	beige	beige	pink	pink
<input type="checkbox"/> Plant: Time of maturity	very late	very late	very late	very late	very late	very late

### Statistical Table

Organ/Plant Part: Context	'Wooroolin Runner'	'Fisher'	'MRVB'	'NC7'	'Wheeler'	'UF98509' syn. Holt
<input checked="" type="checkbox"/> Leaf: leaflet length (mm)						
Mean	51.70	55.17	51.77	52.50	59.57	53.93
Std. Deviation	5.23	6.29	5.85	4.65	4.66	4.43
LSD/sig	5.69	ns	ns	ns	P≤0.01	ns
<input checked="" type="checkbox"/> Leaf: leaflet width (mm)						
Mean	29.47	30.13	29.30	28.97	33.30	29.80
Std. Deviation	2.08	1.98	2.26	1.99	2.82	1.99
LSD/sig	2.27	ns	ns	ns	P≤0.01	ns
<input type="checkbox"/> Leaf: leaflet length:width ratio						
Mean	1.76	1.84	1.77	1.82	1.81	1.81
Std. Deviation	0.15	0.25	0.19	0.15	0.13	0.10
LSD/sig	0.16	ns	ns	ns	ns	ns
<input checked="" type="checkbox"/> Leaf: length of central rachis (mm)						
Mean	13.73	16.47	14.90	13.67	16.67	13.43

Std. Deviation	1.76	1.70	1.60	1.45	3.57	1.78
LSD/sig	2.30	P≤0.01	ns	ns	P≤0.01	ns
<input checked="" type="checkbox"/> Leaf: petiole length (mm)						
Mean	42.47	52.17	46.20	46.10	57.80	45.40
Std. Deviation	5.24	6.48	6.19	4.79	6.85	5.12
LSD/sig	5.60	P≤0.01	ns	ns	P≤0.01	ns
<input type="checkbox"/> Leaf: length of leaf sheath + stipule (mm)						
Mean	35.07	35.63	32.70	31.57	38.37	36.87
Std. Deviation	3.60	3.89	2.95	2.24	3.65	4.07
LSD/sig	4.18	ns	ns	ns	ns	ns
<input checked="" type="checkbox"/> Pod: length (mm)						
Mean	32.28	40.93	41.79	41.94	41.47	33.93
Std. Deviation	1.82	2.11	2.29	2.97	2.55	2.24
LSD/sig	1.65	P≤0.01	P≤0.01	P≤0.01	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Seed: kernel length (mm)						
Mean	16.31	20.09	20.47	20.49	20.43	17.16
Std. Deviation	1.17	1.14	1.24	1.38	1.53	1.31
LSD/sig	0.81	P≤0.01	P≤0.01	P≤0.01	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Plant: number of basal lateral branches						
Mean	5.05	5.74	5.17	5.40	5.17	5.78
Std. Deviation	0.22	0.59	0.58	0.50	0.56	0.55
LSD/sig	0.45	P≤0.01	ns	ns	ns	P≤0.01

### **Prior Applications and Sales:**

Nil

Description: **D.S. Loch**, Alexandra Hills, QLD & **I. Haak**, Crawford, QLD

<b>Details of Application</b>	
<b>Application Number</b>	2018/063
<b>Variety Name</b>	'MRVB'
<b>Genus Species</b>	<i>Arachis hypogaea</i>
<b>Common Name</b>	Peanut
<b>Accepted Date</b>	18 Apr 2018
<b>Applicant</b>	G Crumpton and Sons and Company Pty Ltd, Crawford, QLD
<b>Qualified Person</b>	Dr Donald S. Loch
<b>Details of Comparative Trial</b>	
<b>Location</b>	Memerambi, QLD, Australia (Latitude 26°26'S, longitude 151°49'E, elevation 462 masl)
<b>Descriptor</b>	UPOV TG/93/4
<b>Period</b>	8 Dec 2017 – 11 May 2018
<b>Conditions</b>	Seed sown on 8 Dec 2017 in 90 cm rows (5 seeds per plot) on a red volcanic (krasnozem or ferrosol) soil under rain-grown (i.e. dryland) conditions; seed treated with azoxystrobin (Dynasty). Weed control by pre-emergence metolachlor (Clincher Plus) prior to planting, followed 30 days after germination by an application of imazapic (Flame). Applied 4 tonnes of pig manure during fallow approx. one month before planting; applied 60 kg/ha of muriate of potash and 60 kg DAP (di-ammonium phosphate) just prior to planting. Sprayed with azoxystrobin + cyproconazole (Amistar Xtra) 10 weeks after planting.
<b>Trial Design</b>	30 plants of each of 6 cultivars ('MRVB', 'NC7', 'Wheeler', 'Fisher' 'UF98509' syn. Holt, 'Wooroolin Runner') arranged in 6 randomised blocks with 5 plants per plot in single rows 90 cm apart; 15 cm between plants in the row.
<b>Measurements</b>	Numbers of lateral branches counted and leaf characteristics measured on 4 May 2018 (one leaf per plant sampled from ±5th visible node from the apex on a strongly growing lateral branch). Mature seeds harvested from each plot on 11 May 2018; pod and kernel (seed) lengths (25 measurements per plot sample, 2-seeded pods only) completed on 20 Jun 2018. Analyses of variance (ANOVAs) conducted with Genstat Release 12; differences significant at the 1% level quantified using Fisher's protected LSD
<b>RHS Chart - edition</b>	5th edition
<b>Origin and Breeding</b>	
Seedling selection: A mixed field sowing of 'Wheeler' and 'NC-7' in the early 2000s produced some natural hybrid seedlings that were noted in the following generation. The progeny of these hybrid plants were then bulked to create an experimental population which was grown for several years and allowed to segregate naturally via self-pollination. In the 2011-12 growing season, single plant selections were made from the segregating bulk population, one of which (C12-048) was the progenitor of the present variety. From the next generation, four morphologically similar plants were bulked and resown. The second and third generations from the single plant	

selections consisted of bulks of twenty morphologically similar plants. Uniformity of the final selections was assessed at the end of the 2014-15 season and re-confirmed at the start of the 2015-16 season. Thereafter, seed increase involved bulking all plants of the current generation. In summary, the pedigree string for 'MRVB' was C12-048 (single plant) - B1 (4-plant bulk) - B1 (20-plant bulk) - B1 (20-plant bulk). Breeder: Ian Haak (G Crumpton and Sons and Company Pty Ltd, Crawford, 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	time of maturity	very late (155 days)
Kernel	size (100 kernel weight)	medium or high

**Most Similar Varieties of Common Knowledge identified (VCK)**

Name	Comments
'NC7'	Old American cultivar; parent of 'MRVB'
'Wheeler'	Application No. 2003/049; granted 23 Jul 2004; parent of 'MRVB'
'Fisher'	Application No. 2007/087; granted 25 Aug 2010
'UF98509' syn. Holt	Application No. 2003/317; granted 15 Jun 2005
'Wooroolin Runner'	Application No. 2018/062; 'sister variety to 'MRVB'

**Varieties of Common Knowledge identified and subsequently excluded**

Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Middleton'	Kernel	colour of testa	beige	pink	application no. 2003/048; granted 23 Jul 2004
'Middleton'	Crop maturity	number of days to harvest	155 days	140 days	
'Page'	Kernel	colour of testa	beige	pink	application no. 2007/089; granted 30 Sep 2010
'Page'	Crop maturity	number of days to harvest	155 days	120 days	
'Kairi'	Kernel	colour of testa	beige	pink	application no. 2015/011; granted 28 Feb 2017
'Kairi'	Kernel	size (100 kernel weight)	high	small	
'Redvale'	Crop maturity	number of days to harvest	155 days	105 days	application no. 2013/033; granted 23 Apr 2015
'Redvale'	Kernel	size (100	high	small	

		kernel weight)			
'Taabinga'	Crop maturity	number of days to harvest	155 days	105 days	application no. 2015/012; granted 28 Feb 2017
'Taabinga'	Kernel	size (100 kernel weight)	high	small	
'CP99'	Crop maturity	number of days to harvest	155 days	105 days	application no. 2015/025; granted 18 Aug 2017
'CP99'	Kernel	colour of testa	beige	pink	
'EC-98 (AO)'	Kernel	colour of testa	beige	pink	application no. 2015/024; granted 19 Sep 2016
'Tamrun OL11'	Kernel	colour of testa	beige	pink	application no. 2015/023; granted 19 Sep 2016

**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	'MRVB'	'Fisher'	'NC7'	'Wheeler'	'Wooroolin Runner'	'UF98509' syn. Holt
<input type="checkbox"/> Plant: density	dense	dense	dense	dense	dense	dense
<input type="checkbox"/> Stem: anthocyanin colouration	absent or weak	absent or weak	absent or weak	absent or weak	absent or weak	absent or weak
<input type="checkbox"/> Main stem: presence of flowers	absent	absent	absent	absent	absent	absent
<input type="checkbox"/> Leaf: intensity of green colour	medium	medium	medium	medium	medium	medium
<input checked="" type="checkbox"/> Leaflet: length	medium	medium	medium	long	medium	medium
<input checked="" type="checkbox"/> Leaflet: position of broadest part	strongly towards apex	at middle	at middle	at middle	moderately towards apex	strongly towards apex
<input checked="" type="checkbox"/> Leaflet: shape of apex	rounded	narrow pointed	broad pointed	broad pointed	broad pointed	broad pointed
<input type="checkbox"/> Primary branch: flowering pattern	sequential	sequential	sequential	sequential	sequential	sequential
<input checked="" type="checkbox"/> Pod: constrictions	absent or very weak	medium	weak	weak	absent or very weak	weak
<input type="checkbox"/> Pod: reticulation of surface	weak	weak	medium	weak	weak	weak
<input type="checkbox"/> Pod: number of kernels	two	two	two	two	two	two



<input type="checkbox"/> Kernel: presence of secondary colour of testa	absent	absent	absent	absent	absent	absent
<input type="checkbox"/> Kernel: 100 kernel weight	high	high	high	high	medium	medium
<input type="checkbox"/> Pod: thickness of shell	thin	thin	thin	thin	thin	thin

### Characteristics Additional to the Descriptor/TG

Organ/Plant Part: Context	'MRVB'	'Fisher'	'NC7'	'Wheeler'	'Wooroolin Runner'	'UF98509' syn. Holt
<input checked="" type="checkbox"/> Plant: growth habit	medium	medium	semi-erect	erect	prostrate	semi-prostrate
<input type="checkbox"/> Leaf: colour (RHS)	146B	144A	146A	146A	146A	146A
<input type="checkbox"/> Plant: branching	medium	profuse	medium to profuse	medium	sparse to medium	profuse
<input checked="" type="checkbox"/> Pod: prominence of beak	absent or very weak	absent or very weak	medium	absent or very weak	absent or very weak	absent or very weak
<input checked="" type="checkbox"/> Pod: prominence of keel	absent or very weak	absent or very weak	medium	absent or very weak	absent or very weak	absent or very weak
<input checked="" type="checkbox"/> Kernel: shape	cylindrical	cylindrical	cylindrical	cylindrical	cylindrical	truncated
<input checked="" type="checkbox"/> Kernel: main colour of testa	beige	beige	beige	pink	beige	pink
<input type="checkbox"/> Plant: time of maturity	very late	very late	very late	very late	very late	very late

### Statistical Table

Organ/Plant Part: Context	'MRVB'	'Fisher'	'NC7'	'Wheeler'	'Wooroolin Runner'	'UF98509' syn. Holt
<input checked="" type="checkbox"/> Plant: number of basal lateral branches						
Mean	5.17	5.74	5.40	5.17	5.05	5.78
Std. Deviation	0.58	0.59	0.50	0.56	0.22	0.55
LSD/sig	0.45	P≤0.01	ns	ns	ns	P≤0.01
<input checked="" type="checkbox"/> Leaf: leaflet length (mm)						
Mean	51.77	55.17	52.50	59.97	51.70	53.93
Std. Deviation	5.85	6.29	4.65	4.66	5.23	4.43
LSD/sig	5.69	ns	ns	P≤0.01	ns	ns
<input checked="" type="checkbox"/> Leaf: leaflet width (mm)						
Mean	29.30	30.13	28.97	33.30	29.47	29.80
Std. Deviation	2.26	1.98	1.99	2.82	2.08	1.99
LSD/sig	2.27	ns	ns	P≤0.01	ns	ns
<input type="checkbox"/> Leaf: leaflet length:width ratio						
Mean	1.77	1.84	1.82	1.81	1.76	1.81
Std. Deviation	0.19	0.25	0.15	0.13	0.15	0.10
LSD/sig	0.16	ns	ns	ns	ns	ns
<input checked="" type="checkbox"/> Leaf: length of central rachis (mm)						
Mean	14.90	16.47	13.67	16.67	13.73	13.43

Std. Deviation	1.60	1.70	1.45	3.57	1.76	1.78
LSD/sig	2.30	ns	ns	P≤0.01	ns	ns
☑ Leaf: petiole length (mm)						
Mean	46.20	52.17	46.10	57.80	42.47	45.40
Std. Deviation	6.19	6.48	4.79	6.85	5.24	5.12
LSD/sig	5.60	P≤0.01	ns	P≤0.01	ns	ns
☑ Leaf: length of leaf sheath + stipule (mm)						
Mean	32.70	35.63	31.57	38.37	35.07	36.87
Std. Deviation	2.95	3.89	2.24	3.65	3.60	4.07
LSD/sig	4.18	ns	ns	P≤0.01	ns	ns
☑ Pod: length (mm)						
Mean	41.79	40.93	41.94	41.47	32.28	33.93
Std. Deviation	2.29	2.11	2.97	2.55	1.82	2.24
LSD/sig	1.65	ns	ns	ns	P≤0.01	P≤0.01
☑ Seed: kernel length (mm)						
Mean	20.47	20.09	20.49	20.43	16.31	17.16
Std. Deviation	1.24	1.14	1.38	1.53	1.17	1.31
LSD/sig	0.81	ns	ns	ns	P≤0.01	P≤0.01

### **Prior Applications and Sales:**

Nil

Description: **D.S. Loch**, Alexandra Hills, QLD & **I. Haak**, Crawford, QLD

<b>Details of Application</b>	
<b>Application Number</b>	2013/314
<b>Variety Name</b>	'Anatoki'
<b>Genus Species</b>	<i>Acca sellowiana</i>
<b>Common Name</b>	Pineapple Guava
<b>Synonym</b>	N/A
<b>Accepted Date</b>	12 Feb 2014
<b>Applicant</b>	Roy Hart, Motueka, New Zealand
<b>Agent</b>	Graham's Factree Pty Ltd, Hoddles Creek, VIC
<b>Qualified Person</b>	Graham Fleming
<b>Details of Comparative Trial</b>	
<b>Overseas Testing Authority</b>	New Zealand Intellectual Property Office
<b>Overseas Data Reference Number</b>	FEI011 Grant 3130
<b>Location</b>	
<b>Descriptor</b>	TG/306/1
<b>Period</b>	
<b>Conditions</b>	
<b>Trial Design</b>	Where possible, overseas data has been verified under local growing conditions.
<b>Measurements</b>	
<b>RHS Chart - edition</b>	
<b>Origin and Breeding</b>	
<p>Cross Pollination: The present variety of feijoa was originated by Roy Hart at his farm in Motueka, New Zealand. It originated from a cross pollination of unnamed Brazilian seedling 5973 x 'Apollo'. Under close and careful observations the present variety was chosen for commercialisation in view of its early harvesting date and large size, the present variety provides a degree of commercial and consumer appeal not present with other known varieties. Breeder: Roy Hart, Motueka, New Zealand.</p>	

<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Fruit	skin surface	rough
Time	of beginning of harvest	early to medium
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
'Apollo'	'Apollo' matures earlier and is larger than 'Anatoki'	
'Kaiteri'	'Kaiteri' is larger and approximately 1 week earlier	
'Kakariki'	'Kakariki' matures approximately 2 weeks earlier	
'Unique'	'Unique' has smaller fruit size	

‘Waingaro’	‘Waingaro’ has smaller fruit size
‘Triumph’	‘Triumph’ has smaller fruit size and later maturity

<b>Varieties of Common Knowledge identified and subsequently excluded</b>					
Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
‘Apollo’	Fruit	Size	Smaller	Larger	
‘Kaiteri’	Fruit	Size	Medium to large	Very Large	
‘Kakariki’	Fruit	Maturity	Early to Medium	Very Early	
‘Triumph’	Fruit	Size	Early to Medium	Late	

<b>Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.</b>			
Organ/Plant Part: Context	‘Anatoki’	‘Unique’	‘Waingaro’
<input type="checkbox"/> Plant: vigour	strong		
<input type="checkbox"/> Plant: growth habit	upright to spreading		
<input type="checkbox"/> Current season’s shoot: length of internode	medium		
<input type="checkbox"/> Leaf blade: length	medium to long		
<input type="checkbox"/> Leaf blade: width	medium		
<input type="checkbox"/> Leaf blade: length/width ratio	medium		
<input type="checkbox"/> Leaf blade: shape	elliptic		
<input type="checkbox"/> Leaf blade: shape of apex	acute		
<input type="checkbox"/> Leaf blade: shape of base	obtuse		
<input type="checkbox"/> Leaf blade: cross section of margin	sinuate		
<input type="checkbox"/> Flower: number of sepals	four		
<input type="checkbox"/> Flower: number of petals	only four		
<input type="checkbox"/> Flower: number of styles	only one		
<input checked="" type="checkbox"/> Fruit: size	medium to large	very small to small	small to medium
<input type="checkbox"/> Fruit: length	long		
<input type="checkbox"/> Fruit: diameter	broad to very broad		
<input type="checkbox"/> Fruit: ratio length/diameter	very small to small		

<input type="checkbox"/> Fruit: shape	elliptic		
<input type="checkbox"/> Fruit: symmetry	asymmetric		
<input type="checkbox"/> Fruit: shape of apex	rounded		
<input type="checkbox"/> Fruit: calyx splitting	present		
<input type="checkbox"/> Fruit: sepal attitude	semi erect		
<input type="checkbox"/> Fruit: point of attachment of stalk	depressed		
<input type="checkbox"/> Fruit: stalk scar shape	oblong		
<input type="checkbox"/> Fruit: intensity of green skin colour	medium to dark		
<input type="checkbox"/> Fruit: surface of skin	rough		
<input type="checkbox"/> Fruit: intensity of skin rugosity	weak to medium		
<input type="checkbox"/> Fruit: skin longitudinal grooving	weakly expressed		
<input type="checkbox"/> Fruit: colour of outer pericarp	cream		
<input type="checkbox"/> Fruit: number of locules	greater than four		
<input type="checkbox"/> Fruit: diameter of locules in relation to fruit	medium to large		
<input type="checkbox"/> Fruit: shape of locule apex	truncate		
<input type="checkbox"/> Fruit: appearance of locules	clear		
<input type="checkbox"/> Fruit: appearance of core	fleshy		
<input type="checkbox"/> Fruit: colour of seed	brown		
<input type="checkbox"/> Pollination type	self sterile		
<input type="checkbox"/> Time of beginning of harvest	broad to very broad		
<input type="checkbox"/> Flower: number of styles	early to medium		

<b>Characteristics Additional to the Descriptor/TG</b>			
<b>Organ/Plant Part: Context</b>	<b>‘Anatoki’</b>	<b>‘Unique’</b>	<b>‘Waingaro’</b>
Petal width	15 – 22 mm		
Petal length	15 – 24 mm		
Flower diameter	51 mm		
Calyx: intensity of splitting	medium to strong		
Fruit shape slightly	asymmetric		

**Prior Applications and Sales:**

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
New Zealand	2007	Granted	'Anatoki'
USA	2009	Granted	'Anatoki'

First sold in Australia on 24<sup>th</sup> July 2018 and in New Zealand on 12<sup>th</sup> February 2008

Description: **Rebecca Fleming**, Graham's Factree Pty Ltd, Hoddles Creek, VIC.

<b>Details of Application</b>	
<b>Application Number</b>	2012/026
<b>Variety Name</b>	'Ivory Russet'
<b>Genus Species</b>	<i>Solanum tuberosum</i>
<b>Common Name</b>	Potato
<b>Synonym</b>	N/A
<b>Accepted Date</b>	29 May 2012
<b>Applicant</b>	IPR B.V., The Netherlands
<b>Agent</b>	Forth Farm Produce Pty Ltd trading as Harvest Moon, Forth, TAS
<b>Qualified Person</b>	Kevin Clayton-Greene
<b>Details of Comparative Trial</b>	
<b>Location</b>	Solan, Waikere, SA
<b>Descriptor</b>	TG/23/6
<b>Period</b>	Oct 2016 - January 2017
<b>Conditions</b>	Plantlets ex-Genetic resources Centre raised from tissue cultures and planted into potting mix in 200mm diameter plastic pots. Pots placed on benches in a screened polythene clad greenhouse to maintain freedom from insect vectors and viruses.
<b>Trial Design</b>	Three replicates of 20 plants per variety.
<b>Measurements</b>	Measurements were taken in metric system following UPOV guidelines.
<b>RHS Chart - edition</b>	N/A
<b>Origin and Breeding</b>	
Controlled pollination: Seed parent 'RZ 93-7105' crossed to the pollen parent 'Innovator' followed by field observation and selection of F1 at Metslawier, the Netherlands. The selected lines were trialed in multi-location trials around the world followed by varietal selection. The selected varietal line was multiplied vegetatively both <i>in vitro</i> and in the field for release of the variety. Breeder: HZPC Holland B.V., The Netherlands.	

<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Flower	colour	violet
Plant	foliage structure	intermediate type
Lightsprout	habit of tip	closed to intermediate

<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>	
<b>Name</b>	<b>Comments</b>

‘Innovator’	Parent
‘Russet Burbank’	Most common French fry variety with a similar tuber colour and skin

<b>Variety Description and Distinctness - Characteristics which distinguish the candidate from the comparators are marked with a tick.</b>			
<b>Organ/Plant Part: Context</b>	<b>‘Ivory Russet’</b>	<b>‘Innovator’</b>	<b>‘Russet Burbank’</b>
<input checked="" type="checkbox"/> Lightsprout: size	medium	Medium to large	small
<input checked="" type="checkbox"/> *Lightsprout: shape	spherical	broad cylindrical	broad cylindrical
<input checked="" type="checkbox"/> *Lightsprout: intensity of anthocyanin colouration	medium to strong	Weak to medium	medium
<input type="checkbox"/> *Lightsprout: proportion of blue in anthocyanin colouration of base	absent or low	medium	absent or low
<input type="checkbox"/> *Lightsprout: pubescence of base	medium to strong	very strong	Weak to medium
<input type="checkbox"/> Lightsprout: size of tip in relation to base	medium to large	medium	medium to large
<input type="checkbox"/> Lightsprout: habit of tip	closed to intermediate	closed	closed
<input type="checkbox"/> Lightsprout: anthocyanin colouration of tip	weak	Absent or very weak	absent or very weak
<input type="checkbox"/> Lightsprout: pubescence of tip	medium	Very weak to weak	Weak to medium
<input type="checkbox"/> *Lightsprout: number of root tips	medium	medium	medium
<input checked="" type="checkbox"/> Lightsprout: length of lateral shoots	short to medium	long to very long	short
<input type="checkbox"/> Plant: foliage structure	intermediate type	intermediate type	stem type
<input type="checkbox"/> *Plant: growth habit	upright to semi-upright	upright t	spreading
<input type="checkbox"/> *Stem: anthocyanin colouration	absent or very weak	absent or very weak	absent or very weak
<input checked="" type="checkbox"/> Leaf: outline size	small	Medium to large	Medium to large
<input type="checkbox"/> Leaf: openness	intermediate to open	open	open
<input type="checkbox"/> Leaf: presence of secondary leaflets	weak to medium	medium	Medium to strong
<input type="checkbox"/> Leaf: green colour	medium	medium	Medium to dark
<input type="checkbox"/> Leaf: anthocyanin colouration on	absent or very	absent or very	absent or very



midrib of upper side	weak	weak	weak
<input checked="" type="checkbox"/> Second pair of lateral leaflets: size	small	medium	Medium to large
<input type="checkbox"/> Second pair of lateral leaflets: width in relation to length	narrow to medium	medium	Narrow to medium
<input type="checkbox"/> Terminal and lateral leaflets: frequency of coalescence	absent or very low	low to medium	absent or very low
<input type="checkbox"/> Leaflet: waviness of margin	very weak to weak	medium to strong	weak to medium
<input type="checkbox"/> Leaflet: depth of veins	deep	medium to deep	Shallow to medium
<input type="checkbox"/> Leaflet: glossiness of the upperside	dull	Very dull to dull	Dull to medium
<input type="checkbox"/> Leaflet: pubescence of blade at apical rosette	present	present	present
<input type="checkbox"/> Flower bud: anthocyanin colouration	weak to medium	absent or very weak	Medium to strong
<input checked="" type="checkbox"/> Plant: height	short	medium	very tall
<input checked="" type="checkbox"/> *Plant: frequency of flowers	medium	medium	low
<input type="checkbox"/> Inflorescence: size	medium	large	Small to medium
<input type="checkbox"/> Inflorescence: anthocyanin colouration on peduncle	weak	absent or very weak	absent or veryweak to medium
<input type="checkbox"/> Flower corolla: size	medium	Medium to large	medium
<input checked="" type="checkbox"/> *Flower corolla: intensity of anthocyanin colouration on inner side	medium to strong	absent or very weak	absent or very weak
<input type="checkbox"/> *Flower corolla: proportion of blue in anthocyanin colouration on inner side	absent or low	absent or low	absent or low
<input checked="" type="checkbox"/> *Flower corolla: extent of anthocyanin colouration on inner side	large	absent or very small	absent or very small
<input checked="" type="checkbox"/> *Plant: time of maturity	early	early	Late to very late
<input type="checkbox"/> *Tuber: shape	long	long-oval	long
<input checked="" type="checkbox"/> Tuber: depth of eyes	shallow	shallow	deep
<input type="checkbox"/> *Tuber: colour of skin	reddish brown	yellow	yellow
<input type="checkbox"/> *Tuber: colour of base of eye	yellow	yellow	yellow

<input checked="" type="checkbox"/> *Tuber: colour of flesh	white	light yellow	white
<input type="checkbox"/> Tuber: anthocyanin colouration of skin in reaction to light (light beige and yellow skinned varieties only)	weak	absent or very weak	absent or very weak

**Prior Applications and Sales:**

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
EU	2007	Granted	'Ivory Russet'
The Netherlands	2008	Granted	'Ivory Russet'
Canada	2011	Applied	'Ivory Russet'
New Zealand	2010	Applied	'Ivory Russet'
South Africa	2009	Applied	'Ivory Russet'

First sold on 27 Nov 2008 in The Netherlands

Description: **Kevin Clayton-Greene**, Crop & Nursery Services, Forth, Tasmania 7310

<b>Details of Application</b>	
<b>Application Number</b>	2015/044
<b>Variety Name</b>	'PurplePelisse'
<b>Genus Species</b>	<i>Solanum tuberosum</i>
<b>Common Name</b>	Potato
<b>Synonym</b>	'PurpleBliss'
<b>Accepted Date</b>	27 Mar 2015
<b>Applicant</b>	Oregon State University, USA
<b>Agent</b>	Anchor Organics, Pyengana, Tas 7216
<b>Qualified Person</b>	Stewart McKay
<b>Details of Comparative Trial</b>	
<b>Location</b>	Agronico P/L, Leith, Tasmania
<b>Descriptor</b>	TG/23/6
<b>Period</b>	20 Oct 2017 - 2 Feb 2018
<b>Conditions</b>	Potato plants were grown from hardened off in-vitro plantlets and placed into a recirculating hydroponic propagation system in a controlled environment. Standard nutrient fertilization and disease/insect preventative controls were used.
<b>Trial Design</b>	RCBD with two replicates consisting of 30 plants per replicate were used
<b>Measurements</b>	Measurements were taken in metric system. Trial data was collected on 7-Nov-2017 using the standard UPOV descriptors. Lightsprout photos were taken on 5th January 2018 and tuber assessments done on 5th February 2018.
<b>RHS Chart - edition</b>	N/A
<b>Origin and Breeding</b>	
<p>Controlled pollination: Purple Pelisse was initially selected by Oregon State University Agriculture Experiment Station Scientists at Madras, Oregon in 2001 from a cross between NDOP5847-1 and Red Bulk pollen made in 2000 by Dr. Charles Brown (USDA/ARS, Prosser, WA) (Figure 1). It was tested as POR01PG16-1 (P= Prosser, WA cross; OR= Oregon selection; PG= pigmented) for 6 years in public and industry trials throughout the western U.S, including the Western Regional Specialty Trials (in CA, CO, ID, OR, TX and WA) in 2006 and 2007. The Oregon State University Potato Variety Development Program, led by Dr. M. Isabel Vales, and Oregon State University sponsored POR01PG16-1 in all trials and supplied all seed. Purple Pelisse was released in 2009 by Oregon State University, in cooperation with the USDA/ARS and the universities of Idaho and Washington. The stable and uniform characteristics of the subject variety, discussed elsewhere herein, were observed annually over the time interval from at least 2002 to 2007. These observations occurred in Oregon, Idaho, Washington and/or Western Regional Trials. Breeder: Dr Charles Brown, Oregon State University.</p>	

<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Tuber	type	fingerling
Inflorescence	flower colour	purple
Vegetation	growth habit	Semi-upright
Lightsprout	pubescence of base	Strong
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
'Purple Majesty'		

<b>Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.</b>		
<b>Organ/Plant Part: Context</b>	<b>'PurplePelisse'</b>	<b>'Purple Majesty'</b>
<input type="checkbox"/> Lightsprout: size	medium	medium
<input type="checkbox"/> *Lightsprout: shape	broad cylindrical	narrow cylindrical
<input type="checkbox"/> *Lightsprout: intensity of anthocyanin colouration	strong	medium to strong
<input type="checkbox"/> *Lightsprout: proportion of blue in anthocyanin colouration of base	high	high
<input type="checkbox"/> *Lightsprout: pubescence of base	strong	strong
<input type="checkbox"/> Lightsprout: size of tip in relation to base	medium	small to medium
<input checked="" type="checkbox"/> Lightsprout: habit of tip	closed	intermediate
<input checked="" type="checkbox"/> Lightsprout: anthocyanin colouration of tip	strong	medium
<input checked="" type="checkbox"/> Lightsprout: pubescence of tip	very weak to weak	weak to medium
<input type="checkbox"/> *Lightsprout: number of root tips	few	few to medium
<input checked="" type="checkbox"/> Lightsprout: length of lateral shoots	very short to short	short to medium
<input type="checkbox"/> Plant: foliage structure	stem type	stem type
<input type="checkbox"/> *Plant: growth habit	upright	semi-upright
<input checked="" type="checkbox"/> *Stem: anthocyanin colouration	very strong	medium to strong
<input type="checkbox"/> Leaf: outline size	small to medium	medium
<input type="checkbox"/> Leaf: openness	intermediate to open	open
<input type="checkbox"/> Leaf: presence of secondary leaflets	medium	medium
<input checked="" type="checkbox"/> Leaf: green colour	medium to dark	light to medium
<input checked="" type="checkbox"/> Leaf: anthocyanin colouration on midrib of upper side	very strong	weak to medium
<input type="checkbox"/> Second pair of lateral leaflets: size	medium to large	medium to large

<input checked="" type="checkbox"/> Second pair of lateral leaflets: width in relation to length	narrow	medium to broad
<input checked="" type="checkbox"/> Terminal and lateral leaflets: frequency of coalescence	low	absent or very low
<input checked="" type="checkbox"/> Leaflet: waviness of margin	medium	very weak to weak
<input checked="" type="checkbox"/> Leaflet: depth of veins	medium	shallow
<input type="checkbox"/> Leaflet: glossiness of the upper side	dull to medium	dull
<input type="checkbox"/> Leaflet: pubescence of blade at apical rosette	present	present
<input type="checkbox"/> Flower bud: anthocyanin colouration	very strong	
<input type="checkbox"/> Plant: height	medium	short to medium
<input checked="" type="checkbox"/> *Plant: frequency of flowers	medium to high	low
<input type="checkbox"/> Inflorescence: size	small	small
<input type="checkbox"/> Inflorescence: anthocyanin colouration on peduncle	very weak to weak	
<input type="checkbox"/> Flower corolla: size	medium	
<input type="checkbox"/> *Flower corolla: intensity of anthocyanin colouration on inner side	weak to medium	
<input type="checkbox"/> *Flower corolla: proportion of blue in anthocyanin colouration on inner side	absent or low	
<input type="checkbox"/> *Flower corolla: extent of anthocyanin colouration on inner side	small	
<input checked="" type="checkbox"/> *Plant: time of maturity	early to medium	very early to early
<input checked="" type="checkbox"/> *Tuber: shape	long	oval
<input checked="" type="checkbox"/> Tuber: depth of eyes	medium	shallow
<input type="checkbox"/> *Tuber: colour of skin	purple	purple
<input type="checkbox"/> *Tuber: colour of base of eye	blue	blue
<input type="checkbox"/> *Tuber: colour of flesh	blue	blue

<b>Characteristics Additional to the Descriptor/TG</b>		
<b>Organ/Plant Part: Context</b>	<b>'PurplePelisse'</b>	<b>'Purple Majesty'</b>
<input type="checkbox"/> Petal: Colour	light purple	
<input type="checkbox"/> Tuber: skin type	smooth	smooth

**Prior Applications and Sales:**

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
EU	2010	Granted	'Purple Pelisse'

USA	2013	Granted	'Purple Pelisse'
Canada	2009	Granted	'Purple Pelisse'

First sold in the USA on 15<sup>th</sup> December 2015 as 'Purple Fiesta'

Description: **Stewart McKay**, Leith, Tasmania,

<b>Details of Application</b>	
<b>Application Number</b>	2015/141
<b>Variety Name</b>	'Medusa'
<b>Genus Species</b>	<i>Chenopodium quinoa</i>
<b>Common Name</b>	Quinoa
<b>Synonym</b>	Nil
<b>Accepted Date</b>	25 Sep 2015
<b>Applicant</b>	Australian Grown Superfoods Pty Ltd, Narrogin, WA
<b>Agent</b>	N/A
<b>Qualified Person</b>	David Collins

### **Details of Comparative Trial**

<b>Location</b>	Highbury, WA
<b>Descriptor</b>	TG/CHENO(proj. 2)
<b>Period</b>	June 2015 to November 2015
<b>Conditions</b>	Plants sown in open beds at 4kg/ha. Soil lateritic gravel, medium loam, pH 5.3 in CaCl <sub>2</sub> . Site sprayed with 50kg Urea + 50kg MOP. Immediately before sowing site treated with 1L Gramoxone + 1.7L Treflan 480 + 200mL Alpha Cypermethrin + 200mL Chlorpyrifos. Crop sown on 03/06/2015 with 70kg Mapszcz. Trial sprayed with 500mL Select + 100mL targa 100 + 1% AMS + 1% Hasten on the 20/08/2015. Trial treated with 400mL Alpha Cypermethrin for control of bud worm.
<b>Trial Design</b>	Randomised block design, plots 20m long by 2.5m (6 rows) by 2 replications. Approximately 200 plants per plot. Candidate plus 2 comparators.
<b>Measurements</b>	Taken from 10 randomly selected plants per plot. One measurement per plant.
<b>RHS Chart - edition</b>	RHS Chart - 3rd edition

### **Origin and Breeding**

Selection from source material: The parent variety of Faro-type seed was planted and 15 plants out of 13 000 plants were selected for early maturity and taller stem height. The selected plants were grown out and 80 plants out of 16 000 were once again selected for early maturity and taller stems at maturity. The selected seed was then grown on a broad-acre scale of 2 hectares and further selection of plants took place (approximately 20% of plants) based on the selection criteria of early plant maturity and taller plants. The Medusa variety has been stable for the last 3 growing seasons. Breeder: Australian Grown Superfoods Pty Ltd, Narrogin, WA.

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

<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Foliage	colour (growth stage 5)	green
Leaf	size	medium
Stem	pigmentation	pink
Seed	colour	yellow/light brown

<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>	
<b>Name</b>	<b>Comments</b>
'Atlas'	Seed colour whitish, foliage green at growth stage 5, leaf size is medium and stem pigmentation is pink(growth stage9)..
'Parent'	Seed colour whitish, foliage green at growth stage 5, leaf size is medium and stem pigmentation is pink (growth stage9).

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

<b>Organ/Plant Part: Context</b>	<b>'Medusa'</b>	<b>'Atlas'</b>	<b>'Parent variety'</b>
<input type="checkbox"/> Foliage: main colour (growth stage 5)	green	green	green
<input checked="" type="checkbox"/> Foliage: intensity of glaucosity	medium strong	weak	weak
<input checked="" type="checkbox"/> Leaf: shape	triangular	rhombic	rhombic
<input checked="" type="checkbox"/> Leaf: indentation of margin	medium to strong	weak	weak
<input checked="" type="checkbox"/> Time of flowering	early	medium to late	late
<input checked="" type="checkbox"/> Inflorescence: colour (growth stage 8)	red	yellow	yellow
<input checked="" type="checkbox"/> Plant: height (growth stage 8)	long	short medium	short
<input checked="" type="checkbox"/> Inflorescence: type	keyshape/ glomerulate	amaranth shape	amaranth shape
<input checked="" type="checkbox"/> Stem: branching	weak	weak	strong
<input checked="" type="checkbox"/> Plant: height at maturity (growth stage 10)	tall	short to medium	short
<input checked="" type="checkbox"/> Panicle: position	towards terminal	distributed across plant	distributed across plant
<input checked="" type="checkbox"/> Panicle: density	lax	medium	medium
<input checked="" type="checkbox"/> Panicle: colour at maturity (growth stage 11)	red	yellow	yellow
<input checked="" type="checkbox"/> Panicle: length (growth stage 11)	medium long	short	short

**Characteristics Additional to the Descriptor/TG**

<b>Organ/Plant Part: Context</b>	<b>Medusa</b>	<b>Atlas</b>	<b>Parent variety</b>
<input type="checkbox"/> Leaf: size	medium	medium	medium
<input type="checkbox"/> Stem: pigmentation (growth stage 9)	pink	pink	pink
<input checked="" type="checkbox"/> Foliage: main colour at flowering (growth stage 9) RHS Colour Chart	57B	16B	16B
<input type="checkbox"/> Seed: colour	yellow-light brown	whitish	yellow-light brown

**Statistical Table**

<b>Organ/Plant Part: Context</b>	<b>'Medusa'</b>	<b>'Atlas'</b>	<b>'Parent variety'</b>
<input checked="" type="checkbox"/> Plant: height at maturity (growth stage 10) mm			
Mean	58.05	37.56	41.88



Std. Deviation	7.89	6.22	9.11
Lsd/sig	6.60	P≤0.01	P≤0.01
<input type="checkbox"/> Panicle: length at maturity (growth stage 11) mm			
Mean	22.83	12.16	14.60
Std. Deviation	6.03	3.43	3.46
Lsd/sig	4.12	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Plant: height (growth stage 5) mm			
Mean	35.03	25.42	26.50
Std. Deviation	6.48	5.56	7.67
Lsd/sig	5.51	P≤0.01	P≤0.01
<input type="checkbox"/> Leaf: length (growth stage 6) mm			
Mean	34.30	35.62	35.72
Std. Deviation	5.30	5.43	4.49
Lsd/sig	4.32	ns	ns
<input type="checkbox"/> Leaf : width (growth stage 6) mm			
Mean	27.91	28.17	26.59
Std. Deviation	4.65	5.30	4.91
Lsd/sig	4.09	ns	ns

### **Prior Applications and Sales**

Nil

Description: David Collins, Northam, WA.

<b>Details of Application</b>	
<b>Application Number</b>	2011/154
<b>Variety Name</b>	'KORpauvio'
<b>Genus Species</b>	<i>Rosa</i> hybrid
<b>Common Name</b>	Rose
<b>Synonym</b>	Nil
<b>Accepted Date</b>	15 Aug 2012
<b>Applicant</b>	W. Kordes' Sohne Rosenschulen GmbH & Co KG, Germany.
<b>Agent</b>	Treloar Roses Pty Ltd, Portland, VIC.
<b>Qualified Person</b>	Christopher Prescott
<b>Details of Comparative Trial</b>	
<b>Location</b>	145 Moores Road, Clyde, VIC
<b>Descriptor</b>	Rose TG/11/8
<b>Period</b>	November-2017 to April-2018
<b>Conditions</b>	The examination was conducted on the 19th of April 2018 in a covered greenhouse with ventilation with no additional heating. The trial plants were on their own roots and planted on the 5th of November 2017. The plants were cut back to approximately 150mm tall on the 20th of January 2018 and allowed to grow for 2 flowering cycles for the examination. The temperature range during the last cycle had a minimum of 15 °C and a maximum of 35 °C. Nutrition was maintained as part of a hydroponic system used for the commercial production of cut flower roses. Pest and diseases were controlled by the use of chemical spraying when necessary.
<b>Trial Design</b>	The trial was set on a single raised bench in 330mm pots of coconut coir. Each pot consisted of 5 plants with 2 pots (10 plants) of the candidate and 2 pots (10 plants) of the comparator.
<b>Measurements</b>	Measurements were taken in the metric system following the UPOV TG
<b>RHS Chart - edition</b>	1995
<b>Origin and Breeding</b>	
Controlled pollination: 'KORpauvio' was the resultant seedling from a cross between an the seed parent 'MEIZeli and an unnamed seedling as the pollen parent in May 1999 at the breeding facility of W. Kordes Sohne in Sparrieshoop, Germany. The seedling was selected in May 2002 and was budded onto <i>Rosa canina</i> planted in the open field. Follow up selections took place from 2003 to 2006 and was commercially introduced in October 2007. All processes were conducted by or under the supervision of Wilhelm Kordes. Breeder: Wilhelm Kordes, Sohne Rosenschulen GmbH & Co KG, Germany.	

<b>Choice of Comparators</b> 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	shrub
Plant	height	medium/medium to tall
Flower	type	double
Flower	colour group	pink
Petal	size	large
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
Name	Comments	
'AUSimple'		

<b>Varieties of Common Knowledge identified and subsequently excluded</b>					
Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Tan97139'	Petal	main colour inner side	RHS 68B	RHS 27D	

**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	'KORpauvio'	'AUSimple'
<input type="checkbox"/> *Plant: growth type	shrub	shrub
<input checked="" type="checkbox"/> *Plant: growth habit (excluding varieties with growth type climber)	semi upright	strongly spreading
<input type="checkbox"/> Plant: height	medium to tall	medium
<input type="checkbox"/> Young shoot: anthocyanin colouration	present	present
<input checked="" type="checkbox"/> Young shoot: intensity of anthocyanin colouration	strong	medium
<input checked="" type="checkbox"/> Stem: number of prickles	few	medium
<input type="checkbox"/> Prickles: predominant colour	reddish	reddish
<input checked="" type="checkbox"/> Leaf: size	very large	small to medium
<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	strong	medium
<input checked="" type="checkbox"/> *Leaflet: undulation of margin	strong	weak
<input type="checkbox"/> *Terminal leaflet: shape of blade	ovate	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 checked="" type="checkbox"/>	Flowering shoot: flowering laterals	absent	present
<input type="checkbox"/>	Flowering shoot: number of flowers (varieties with no flowering laterals only)	medium	-
<input type="checkbox"/>	Flower bud: shape in longitudinal section	broad ovate	medium ovate
<input type="checkbox"/>	*Flower: type	double	double
<input checked="" type="checkbox"/>	*Flower: number of petals	medium	few
<input type="checkbox"/>	*Flower: colour group	pink	pink
<input type="checkbox"/>	Flower: colour of the centre	pink	-
<input checked="" type="checkbox"/>	Flower: density of petals	medium	loose
<input checked="" type="checkbox"/>	*Flower: diameter	very large	large
<input checked="" type="checkbox"/>	*Flower: shape	star-shaped	irregularly rounded
<input type="checkbox"/>	Flower: profile of upper part	flattened convex	flattened convex
<input 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	very strong	strong
<input type="checkbox"/>	Petals: reflexing of petals one-by-one	present	present
<input type="checkbox"/>	*Petal: shape	obovate	obcordate
<input checked="" type="checkbox"/>	Petal: incisions	weak	medium
<input type="checkbox"/>	Petal: reflexing of margin	weak to medium	absent or very weak
<input checked="" type="checkbox"/>	Petal: undulation	strong	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	one
<input type="checkbox"/>	*Petal: intensity of colour	lighter towards the base	lighter towards the base
<input type="checkbox"/>	*Petal: main colour on the inner side (RHS Colour Chart)	68B	68C
<input type="checkbox"/>	*Petal: basal spot on the inner side	present	present
<input type="checkbox"/>	*Petal: size of basal spot on inner side	medium	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)	73C	73B
<input type="checkbox"/> Outer stamen: predominant colour of filament	orange	medium yellow
<input checked="" type="checkbox"/> Seed vessel: size	small	medium
<input type="checkbox"/> Hip: shape in longitudinal section	funnel-shaped	funnel-shaped

### **Prior Applications and Sales**

<b>Country</b>	<b>Year</b>	<b>Current Status</b>	<b>Name Applied</b>
EU	2007	Granted	'KORpauvio'
Switzerland	2008	Granted	'KORpauvio'
USA	2008	Granted	'KORpauvio'
South Africa	2009	Granted	'KORpauvio'
Japan	2009	Granted	'KORpauvio'

First sold in October 2010 Germany.

Description: **Christopher Prescott**, Prescott Roses Pty Ltd, BERWICK, VIC.

<b>Details of Application</b>	
<b>Application Number</b>	2010/326
<b>Variety Name</b>	'AUSIMPLE'
<b>Genus Species</b>	<i>Rosa</i> hybrid
<b>Common Name</b>	Rose
<b>Synonym</b>	Nil
<b>Accepted Date</b>	20 Jan 2011
<b>Applicant</b>	David Austin Roses Limited, UK.
<b>Agent</b>	Siebler Publishing Services, Hartwell, VIC.
<b>Qualified Person</b>	Christopher Prescott
<b>Details of Comparative Trial</b>	
<b>Location</b>	145 Moores Road, Clyde, VIC (elevation 16m).
<b>Descriptor</b>	Rose TG/11/8
<b>Period</b>	November-2017 to April-2018
<b>Conditions</b>	The examination was conducted on the 19th of April 2018 in a covered greenhouse with ventilation with no additional heating. The trial plants were on their own roots and planted on the 5th of November 2017. The plants were cut back to approximately 150mm tall on the 20th of January 2018 and allowed to grow for 2 flowering cycles for the examination. The temperature range during the last cycle had a minimum of 15 °C and a maximum of 35 °C. Nutrition was maintained as part of a hydroponic system used for the commercial production of cut flower roses. Pest and diseases were controlled by the use of chemical spraying when necessary.
<b>Trial Design</b>	The trial was set on a single raised bench in 330mm pots of coconut coir. Each pot consisted of 5 plants with 2 pots (10 plants) of the candidate and 2 pots (10 plants) of the comparator.
<b>Measurements</b>	Measurements were taken in the metric system following the UPOV TG
<b>RHS Chart - edition</b>	1995
<b>Origin and Breeding</b>	
Controlled pollination: 'AUSimple' is the resultant seedling from a cross of two separate unnamed seedlings selected from the breeding facility of David Austin Roses in 1999. This seedling was first selected in July 2000 from which bud eyes were grafted onto <i>Rosa laxa</i> . Further selections took place in 2001, 2003, 2005 and 2006 with each selection trial material being taken from the preceding trial, and with each selection trial increasing the volume of plants up to 5,000 in 2006 prior to commercialisation in 2007. Through this period all subsequent generations proved stable with no off types observed. All work was carried out by, or under the supervision of David Austin at Bowling Green Lane, Albrighton, Wolverhampton, United Kingdom. Breeder: David Austin Roses Limited, 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 type	shrub
Plant	growth habit	strongly spreading
Flower	type	double
Flower	number of petals	few
Flower	density of petals	loose
Flower	colour group	pink

**Most Similar Varieties of Common Knowledge identified (VCK)**

Name	Comments
'AUSrimini'	

**Varieties of Common Knowledge identified and subsequently excluded**

Variety	Distinguishing Characteristics	State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'AUSLAND'	Flower fragrance	weak	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	'AUSIMPLE'	'AUSrimini'
<input type="checkbox"/> *Plant: growth type	shrub	shrub
<input type="checkbox"/> *Plant: growth habit (excluding varieties with growth type climber)	strongly spreading	strongly spreading
<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	medium	medium
<input checked="" type="checkbox"/> Stem: number of prickles	medium	many
<input type="checkbox"/> Prickles: predominant colour	reddish	reddish
<input type="checkbox"/> Leaf: size	small to medium	medium
<input type="checkbox"/> Leaf: intensity of green colour	dark	medium to dark
<input checked="" type="checkbox"/> Leaf: anthocyanin colouration	present	absent
<input checked="" type="checkbox"/> *Leaf: glossiness of upper side	medium	strong
<input checked="" type="checkbox"/> *Leaflet: undulation of margin	weak	medium
<input type="checkbox"/> *Terminal leaflet: shape of blade	ovate	ovate
<input type="checkbox"/> Terminal leaflet: shape of base of blade	rounded	obtuse
<input type="checkbox"/> Terminal leaflet: shape of apex of	acute	acute

blade		
<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
<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	few	few to medium
<input type="checkbox"/> *Flower: colour group	pink	pink
<input type="checkbox"/> Flower: density of petals	loose	loose
<input type="checkbox"/> *Flower: diameter	large	large
<input 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	flattened convex	concave
<input checked="" type="checkbox"/> Flower: fragrance	absent or weak	medium
<input checked="" type="checkbox"/> *Sepal: extensions	strong	weak
<input type="checkbox"/> Petals: reflexing of petals one-by-one	present	present
<input type="checkbox"/> *Petal: shape	obcordate	obovate
<input checked="" type="checkbox"/> Petal: incisions	medium	strong
<input type="checkbox"/> Petal: reflexing of margin	absent or very weak	absent or very weak
<input checked="" type="checkbox"/> Petal: undulation	weak	medium
<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 type="checkbox"/> *Petal: number of colours on inner side	one	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)	68C	65C
<input type="checkbox"/> *Petal: basal spot on the inner side	present	present
<input type="checkbox"/> *Petal: size of basal spot on inner side	medium	medium



<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)	73B	65D
<input type="checkbox"/> Outer stamen: predominant colour of filament	medium yellow	medium yellow
<input type="checkbox"/> Seed vessel: size	medium	medium
<input checked="" type="checkbox"/> Hip: shape in longitudinal section	funnel-shaped	pitcher-shaped

### **Prior Applications and Sales**

<b>Country</b>	<b>Year</b>	<b>Current Status</b>	<b>Name Applied</b>
UK	2007	Granted	'AUSIMPLE'
Japan	2008	Granted	'AUSIMPLE'
KR	2011	Granted	'AUSIMPLE'
NZ	2012	Granted	'AUSIMPLE'

First sold in May 2007 in UK.

Description: **Christopher Prescott**, Prescott Roses Pty Ltd, BERWICK, VIC.

<b>Details of Application</b>	
<b>Application Number</b>	2014/078
<b>Variety Name</b>	'Ausboxer'
<b>Genus Species</b>	<i>Rosa</i> hybrid
<b>Common Name</b>	Rose
<b>Synonym</b>	Nil
<b>Accepted Date</b>	13 May 2014
<b>Applicant</b>	David Austin Roses Limited, UK.
<b>Agent</b>	Siebler Publishing Services, Hartwell, VIC.
<b>Qualified Person</b>	Christopher Prescott
<b>Details of Comparative Trial</b>	
<b>Location</b>	145 Moores Road, Clyde, VIC (elevation 16m).
<b>Descriptor</b>	Rose TG/11/8
<b>Period</b>	November-2017 to April-2018
<b>Conditions</b>	The examination was conducted on the 19th of April 2018 in a covered greenhouse with ventilation with no additional heating. The trial plants were on their own roots and planted on the 5th of November 2017. The plants were cut back to approximately 150mm tall on the 20th of January 2018 and allowed to grow for 2 flowering cycles for the examination. The temperature range during the last cycle had a minimum of 15°C and a maximum of 35°C. Nutrition was maintained as part of a hydroponic system used for the commercial production of cut flower roses. Pest and diseases were controlled by the use of chemical spraying when necessary.
<b>Trial Design</b>	The trial was set on a single raised bench in 330mm pots of coconut coir. Each pot consisted of 5 plants with 2 pots (10 plants) of the candidate and 2 pots (10 plants) of the comparator.
<b>Measurements</b>	Measurements were taken in the metric system following the UPOV TG
<b>RHS Chart - edition</b>	1995
<b>Origin and Breeding</b>	
Controlled pollination: In 2002 Mr Austin selected an unnamed seedling to be the mother and an unnamed seedling to be the father. The resulting seed was sown in January 2003, resulting in a number of seedlings. The best of these seedlings was then selected by Mr Austin. From this plant, two buds were taken and grafted (using the 'T'-budding method) onto <i>Rosa Inermis</i> rootstock under glass. Two years later, the variety was considered good enough for increasing by stenting to six plants. The following year it was selected again and gradually it was increased to ninety plants which were kept and monitored at the David Austin Roses Nursery in Albrighton prior to introduction as a commercial cut-flower rose in 2010. Breeder: David Austin Roses Limited, UK.	

<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Plant	growth type	shrub
Plant	growth habit	upright
Flower	type	double
Flower	number of petals	very many
Flower	colour group	white or near white
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
'AUSlevel'		

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

<b>Organ/Plant Part: Context</b>	<b>'Ausboxer'</b>	<b>'AUSlevel'</b>
<input type="checkbox"/> *Plant: growth type	shrub	shrub
<input type="checkbox"/> *Plant: growth habit (excluding varieties with growth type climber)	upright	semi upright
<input checked="" type="checkbox"/> Plant: height	tall	short to medium
<input type="checkbox"/> Young shoot: anthocyanin colouration	present	present
<input checked="" type="checkbox"/> Young shoot: intensity of anthocyanin colouration	medium	very weak
<input checked="" type="checkbox"/> Stem: number of prickles	medium	very many
<input checked="" type="checkbox"/> Prickles: predominant colour	reddish	yellowish
<input type="checkbox"/> Leaf: size	medium	medium
<input type="checkbox"/> Leaf: intensity of green colour	medium	medium
<input checked="" type="checkbox"/> Leaf: anthocyanin colouration	present	absent
<input checked="" type="checkbox"/> *Leaf: glossiness of upper side	medium	weak
<input checked="" type="checkbox"/> *Leaflet: undulation of margin	very strong	weak
<input type="checkbox"/> *Terminal leaflet: shape of blade	ovate	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	medium	medium
<input checked="" type="checkbox"/> Flowering shoot: number of flowers per lateral (varieties with flowering laterals only)	very few	medium
<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 many	very many
<input type="checkbox"/> *Flower: colour group	white or near white	white or near white
<input type="checkbox"/> Flower: density of petals	medium	loose to medium
<input checked="" type="checkbox"/> *Flower: diameter	medium	large
<input type="checkbox"/> *Flower: shape	round	irregularly rounded
<input checked="" type="checkbox"/> Flower: profile of upper part	flat	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 type="checkbox"/> *Sepal: extensions	medium	medium
<input type="checkbox"/> Petals: reflexing of petals one-by-one	present	present
<input type="checkbox"/> *Petal: shape	obovate	obovate
<input checked="" type="checkbox"/> Petal: incisions	very weak to weak	medium
<input type="checkbox"/> Petal: reflexing of margin	very weak to weak	absent or very weak
<input type="checkbox"/> Petal: undulation	very strong	strong
<input type="checkbox"/> *Petal: size	medium	medium
<input type="checkbox"/> *Petal: length	medium	medium
<input checked="" type="checkbox"/> *Petal: width	broad	medium
<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)	155C	155C
<input type="checkbox"/> *Petal: basal spot on the inner side	absent	absent
<input type="checkbox"/> *Petal: main colour on the outer side (RHS Colour Chart)	155C	155C
<input checked="" type="checkbox"/> Outer stamen: predominant colour of filament	medium yellow	pink
<input type="checkbox"/> Seed vessel: size	medium	small to medium
<input type="checkbox"/> Hip: shape in longitudinal section	pitcher-shaped	pitcher-shaped

### **Prior Applications and Sales**

<b>Country</b>	<b>Year</b>	<b>Current Status</b>	<b>Name Applied</b>
USA	2011	Granted	'Ausboxer'
CN	2012	Granted	'Ausboxer'
JP	2012	Granted	'Ausboxer'
KR	2014	Granted	'Ausboxer'

First sold in May 2010 USA.

Description: **Christopher Prescott**, Prescott Roses Pty Ltd, BERWICK, VIC.

<b>Details of Application</b>	
<b>Application Number</b>	2017/073
<b>Variety Name</b>	'AUSWINSTON'
<b>Genus Species</b>	<i>Rosa</i> hybrid
<b>Common Name</b>	Rose
<b>Synonym</b>	Nil
<b>Accepted Date</b>	19 Apr 2017
<b>Applicant</b>	David Austin Roses Limited, UK.
<b>Agent</b>	Siebler Publishing Services, Hartwell, VIC.
<b>Qualified Person</b>	Christopher Prescott
<b>Details of Comparative Trial</b>	
<b>Location</b>	145 Moores Road, Clyde, VIC (elevation 16m).
<b>Descriptor</b>	Rose TG/11/8
<b>Period</b>	November-2017 to April-2018
<b>Conditions</b>	The examination was conducted on the 19th of April 2018 in a covered greenhouse with ventilation with no additional heating. The trial plants were on their own roots and planted on the 5th of November 2017. The plants were cut back to approximately 150mm tall on the 20th of January 2018 and allowed to grow for 2 flowering cycles for the examination. The temperature range during the last cycle had a minimum of 15°C and a maximum of 35°C. Nutrition was maintained as part of a hydroponic system used for the commercial production of cut flower roses. Pest and diseases were controlled by the use of chemical spraying when necessary.
<b>Trial Design</b>	The trial was set on a single raised bench in 330mm pots of coconut coir. Each pot consisted of 5 plants with 2 pots (10 plants) of the candidate and 2 pots (10 plants) of the comparator.
<b>Measurements</b>	Measurements were taken in the metric system following the UPOV TG
<b>RHS Chart - edition</b>	1995
<b>Origin and Breeding</b>	
Controlled pollination: In 2005, at the nursery of David Austin Roses Limited, Bowling Green Lane, Albrighton, England, an unnamed seedling was selected to be the mother and an unnamed seedling was selected to be the father. The resulting seed was sown in January 2006, from which a number of seedlings grew. The best of these seedlings was then selected and from this plant, in July 2006, 8 buds were taken and grafted (using the 'T-budding' method) onto <i>Rosa Laxa</i> root-stock outdoors. The following year, in 2007, the variety was considered good enough to be increased by grafting to 30 plants. Next year, in 2008, the increase was up to 200, and two years after that, in 2010, it was increased to 1,500. In 2012 the variety was increased by further budding to 5,000, sufficient budding for a commercial introduction in the UK in May 2013. Breeder: David Austin Roses Limited, UK.	
<b>Choice of Comparators</b> 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		shrub		
Flower	type		double		
Flower	colour group		pink		
Flower	density of petals		medium		
Most Similar Varieties of Common Knowledge identified (VCK)					
Name		Comments			
'Auslounge'					
'AUSchris'					
Varieties of Common Knowledge identified and subsequently excluded					
Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'AUSvolume'	Flower	density of petals	medium	dense	

**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	'AUSWINSTON'	'AUSchris'	'Auslounge'
<input type="checkbox"/> *Plant: growth type	shrub	shrub	shrub
<input type="checkbox"/> *Plant: growth habit (excluding varieties with growth type climber)	semi upright	moderately spreading	upright
<input checked="" type="checkbox"/> Plant: height	very tall	medium	short to medium
<input type="checkbox"/> Young shoot: anthocyanin colouration	present	present	present
<input type="checkbox"/> Young shoot: intensity of anthocyanin colouration	weak	very weak	very weak
<input checked="" type="checkbox"/> Stem: number of prickles	medium	few	very many
<input type="checkbox"/> Prickles: predominant colour	reddish	reddish	yellowish
<input type="checkbox"/> Leaf: size	large to very large	large	small to medium
<input type="checkbox"/> Leaf: intensity of green colour	light to medium	medium	light to medium
<input type="checkbox"/> Leaf: anthocyanin colouration	absent	present	absent
<input checked="" type="checkbox"/> *Leaf: glossiness of upper side	weak to medium	very strong	very weak to weak
<input checked="" type="checkbox"/> *Leaflet: undulation of margin	medium	strong	weak
<input type="checkbox"/> *Terminal leaflet: shape of blade	ovate	ovate	ovate
<input checked="" type="checkbox"/> Terminal leaflet: shape of base of blade	obtuse	rounded	cordate
<input type="checkbox"/> Terminal leaflet: shape of apex of blade	acute	acute	obtuse

<input type="checkbox"/>	Flowering shoot: flowering laterals	present	present	present
<input type="checkbox"/>	Flowering shoot: number of flowering laterals	medium	very few	medium
<input type="checkbox"/>	Flower bud: shape in longitudinal section	broad ovate	broad ovate	elliptic
<input type="checkbox"/>	*Flower: type	double	double	double
<input type="checkbox"/>	*Flower: number of petals	many to very many	many	medium
<input type="checkbox"/>	*Flower: colour group	pink	pink	pink
<input type="checkbox"/>	Flower: colour of the centre	pink	pink	pink
<input type="checkbox"/>	Flower: density of petals	medium	medium	medium
<input checked="" type="checkbox"/>	*Flower: diameter	large	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	concave	flat	flat
<input checked="" type="checkbox"/>	Flower: fragrance	medium	absent or weak	absent or weak
<input checked="" type="checkbox"/>	*Sepal: extensions	very strong	strong	weak
<input type="checkbox"/>	Petals: reflexing of petals one-by-one	present	present	present
<input checked="" type="checkbox"/>	*Petal: shape	obcordate	obovate	rounded
<input type="checkbox"/>	Petal: incisions	weak	weak	weak
<input type="checkbox"/>	Petal: reflexing of margin	medium	weak	weak
<input type="checkbox"/>	Petal: undulation	medium	medium	medium
<input type="checkbox"/>	*Petal: size	medium	medium	small to medium
<input checked="" type="checkbox"/>	*Petal: length	long	medium	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	lighter towards the base
<input type="checkbox"/>	*Petal: main colour on the inner side (RHS Colour Chart)	57A	57B	66B
<input type="checkbox"/>	*Petal: basal spot on the inner side	present	present	present
<input type="checkbox"/>	*Petal: size of basal spot on inner side	small	small	very small
<input type="checkbox"/>	*Petal: colour of basal spot on inner side	light yellow	light yellow	white

<input type="checkbox"/> *Petal: main colour on the outer side (RHS Colour Chart)	66B	66C	66D
<input type="checkbox"/> Outer stamen: predominant colour of filament	medium yellow	medium yellow	medium yellow
<input checked="" type="checkbox"/> Seed vessel: size	small	medium	medium
<input type="checkbox"/> Hip: shape in longitudinal section	funnel-shaped	funnel-shaped	pitcher-shaped

### **Prior Applications and Sales**

<b>Country</b>	<b>Year</b>	<b>Current Status</b>	<b>Name Applied</b>
EU	2013	Granted	‘AUSWINSTON’
Japan	2014	Granted	‘AUSWINSTON’

First sold in May 2015 Japan.

Description: **Christopher Prescott**, Prescott Roses Pty Ltd, BERWICK, VIC.



<b>Details of Application</b>	
<b>Application Number</b>	2014/166
<b>Variety Name</b>	'Auschris'
<b>Genus Species</b>	<i>Rosa</i> sp
<b>Common Name</b>	Rose
<b>Synonym</b>	Nil
<b>Accepted Date</b>	01 Sep 2014
<b>Applicant</b>	David Austin Roses Limited, UK.
<b>Agent</b>	Siebler Publishing Services, Hartwell, VIC.
<b>Qualified Person</b>	Christopher Prescott
<b>Details of Comparative Trial</b>	
<b>Location</b>	145 Moores Road, Clyde, VIC (elevation 16m).
<b>Descriptor</b>	Rose TG/11/8
<b>Period</b>	November-2017 to April-2018
<b>Conditions</b>	The examination was conducted on the 19th of April 2018 in a covered greenhouse with ventilation with no additional heating. The trial plants were on their own roots and planted on the 5th of November 2017. The plants were cut back to approximately 150mm tall on the 20th of January 2018 and allowed to grow for 2 flowering cycles for the examination. The temperature range during the last cycle had a minimum of 15°C and a maximum of 35°C. Nutrition was maintained as part of a hydroponic system used for the commercial production of cut flower roses. Pest and diseases were controlled by the use of chemical spraying when necessary.
<b>Trial Design</b>	The trial was set on a single raised bench in 330mm pots of coconut coir. Each pot consisted of 5 plants with 2 pots (10 plants) of the candidate and 2 pots (10 plants) of the comparator.
<b>Measurements</b>	Measurements were taken in the metric system following the UPOV TG
<b>RHS Chart - edition</b>	1995
<b>Origin and Breeding</b>	
Controlled pollination: In 2004, an unnamed seedling was selected to be the mother and an unnamed seedling to be the father. The resulting seed was sown in January 2005, resulting in a number of seedlings. The best of these seedlings was then selected. From this plant, two buds were taken and grafted (using the 'T'-budding method) onto <i>Rosa Inermis</i> rootstock under glass. Two years later, the variety was considered good enough for increasing by stenting to six plants. The following year it was selected again and gradually it was increased by vegetative propagation to ninety plants which were kept and monitored at the David Austin Roses Nursery in Albrighton prior to introduction as a commercial cut-flower rose in 2011. Breeder: David Austin Roses Limited, UK.	

<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge					
<b>Organ/Plant Part</b>		<b>Context</b>	<b>State of Expression in Group of Varieties</b>		
Plant		growth type	shrub		
Plant		height	medium		
Flower		type	double		
Flower		colour group	pink		
Flower		shape	irregularly rounded		
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>					
<b>Name</b>			<b>Comments</b>		
'AUSvibrant'					
<b>Varieties of Common Knowledge identified and subsequently excluded</b>					
<b>Variety</b>	<b>Distinguishing Characteristics</b>		<b>State of Expression in Candidate Variety</b>	<b>State of Expression in Comparator Variety</b>	<b>Comments</b>
'AUSglade'	Flower	number of petals	many (65)	very many (150)	

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

<b>Organ/Plant Part: Context</b>	<b>'Auschris'</b>	<b>'AUSvibrant'</b>
<input type="checkbox"/> *Plant: growth type	shrub	shrub
<input checked="" type="checkbox"/> *Plant: growth habit (excluding varieties with growth type climber)	moderately spreading	semi upright
<input type="checkbox"/> Plant: height	medium	medium
<input type="checkbox"/> Young shoot: anthocyanin colouration	present	present
<input checked="" type="checkbox"/> Young shoot: intensity of anthocyanin colouration	very weak	weak
<input checked="" type="checkbox"/> Stem: number of prickles	few	medium
<input type="checkbox"/> Prickles: predominant colour	reddish	reddish
<input checked="" type="checkbox"/> Leaf: size	large	small
<input type="checkbox"/> Leaf: intensity of green colour	medium	medium
<input checked="" type="checkbox"/> Leaf: anthocyanin colouration	present	absent
<input checked="" type="checkbox"/> *Leaf: glossiness of upper side	very strong	medium
<input type="checkbox"/> *Leaflet: undulation of margin	strong	strong
<input type="checkbox"/> *Terminal leaflet: shape of blade	ovate	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 checked="" type="checkbox"/>	Flowering shoot: flowering laterals	present	absent
<input type="checkbox"/>	Flowering shoot: number of flowering laterals	very few	-
<input type="checkbox"/>	Flowering shoot: number of flowers per lateral (varieties with flowering laterals only)	very few	-
<input type="checkbox"/>	Flower bud: shape in longitudinal section	broad ovate	medium ovate
<input type="checkbox"/>	*Flower: type	double	double
<input checked="" type="checkbox"/>	*Flower: number of petals	many	very many
<input type="checkbox"/>	*Flower: colour group	pink	pink
<input type="checkbox"/>	Flower: colour of the centre	pink	pink
<input checked="" type="checkbox"/>	Flower: density of petals	medium	very dense
<input type="checkbox"/>	*Flower: diameter	medium	small to medium
<input type="checkbox"/>	*Flower: shape	irregularly rounded	irregularly rounded
<input type="checkbox"/>	Flower: profile of upper part	flattened convex	convex
<input checked="" type="checkbox"/>	*Flower: profile of lower part	flat	concave
<input checked="" type="checkbox"/>	Flower: fragrance	absent or weak	strong
<input type="checkbox"/>	*Sepal: extensions	strong	strong to very strong
<input type="checkbox"/>	Petals: reflexing of petals one-by-one	present	present
<input checked="" type="checkbox"/>	*Petal: shape	obovate	elliptic
<input type="checkbox"/>	Petal: incisions	weak	weak
<input checked="" type="checkbox"/>	Petal: reflexing of margin	weak	medium
<input type="checkbox"/>	Petal: undulation	medium	medium
<input type="checkbox"/>	*Petal: size	medium	small to medium
<input type="checkbox"/>	*Petal: length	medium	medium
<input type="checkbox"/>	*Petal: width	medium	medium
<input type="checkbox"/>	*Petal: number of colours on inner side	one	one
<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)	57B	74A
<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
<input type="checkbox"/> *Petal: colour of basal spot on inner side	light yellow	light yellow
<input checked="" type="checkbox"/> *Petal: main colour on the outer side (RHS Colour Chart)	66C	74B
<input type="checkbox"/> Outer stamen: predominant colour of filament	medium yellow	medium yellow
<input type="checkbox"/> Seed vessel: size	medium	medium
<input checked="" type="checkbox"/> Hip: shape in longitudinal section	funnel-shaped	pitcher-shaped

### **Prior Applications and Sales**

<b>Country</b>	<b>Year</b>	<b>Current Status</b>	<b>Name Applied</b>
EU	2012	Granted	'Auschris'
USA	2012	Granted	'Auschris'
Japan	2012	Granted	'Auschris'
Russia	2012	Granted	'Auschris'
Brazil	2014	Granted	'Auschris'
South Korea	2014	Granted	'Auschris'

First sold in May 2011 QZ & USA

Description: **Christopher Prescott**, Prescott Roses Pty Ltd, BERWICK, VIC.

<b>Details of Application</b>		
<b>Application Number</b>	2017/244	
<b>Variety Name</b>	'Ridley 0808'	
<b>Genus Species</b>	<i>Vaccinium</i> hybrid	
<b>Common Name</b>	Southern Highbush Blueberry	
<b>Accepted Date</b>	20 Dec 2017	
<b>Applicant</b>	Mountain Blue Orchards Pty Ltd, Lindendale , NSW	
<b>Qualified Person</b>	Ian Paananen	
<b>Details of Comparative Trial</b>		
<b>Location</b>	Tabulam, NSW	
<b>Descriptor</b>	TG/137/4 Blueberry	
<b>Period</b>	September 2016-September 2017	
<b>Conditions</b>	Trial conducted in standard commercial field production conditions, plants propagated from cuttings, planted into field from 125mm pots.	
<b>Trial Design</b>	6 plants per variety randomly blocked in standard commercial beds	
<b>Measurements</b>	Fruit and leaf observations from 4 plants with 20 ripe fruit randomly picked and measurements taken from 10 of these fruit at random. Leaf observations from largest mature leaf on a branch.	
<b>RHS Chart - edition</b>	2015	
<b>Origin and Breeding</b>		
Controlled pollination: seed parent 'M09-48-01' x pollen parent 'M08-34-01' in 2011 in Lindendale, NSW. The seed parent is characterised by firm fruit and medium-late time of beginning of fruit ripening. The pollen parent is characterised by small leaf size and small fruit size. 202-2014: seed from the stated parents grown on (approx 100 plants produced) grown on. 2014: single seedling (M14-08-08) selection made with desirable commercial traits and concluded as being of commercial value due to its distinctive traits. 2014- present: Continued propagation of cuttings for commercial scale testing of field and post harvest performance. As a result it was concluded to be a distinct and viable commercial variety and named Ridley 0808. Selection took place in Lindendale, NSW in 2008. Selection criteria: strong plant growth vigour, upright plant habit, low chilling requirement, very late timing, desirable fruit, suited to handling. Propagation: vegetative cuttings and micropropagation were found to be uniform and stable. Breeder: Ridley Bell, Lindendale, NSW.		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Fruit	shape in longitudinal section	oblate
Fruit	size	large to very large

<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>	
<b>Name</b>	<b>Comments</b>
'Ridley 1607'	
'C00-09'	

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

<b>Organ/Plant Part: Context</b>	<b>'Ridley 0808'</b>	<b>'C00-09'</b>	<b>'Ridley 1607'</b>
<input type="checkbox"/> *Plant: vigour	strong to very strong	medium to strong	strong to very strong
<input type="checkbox"/> *Plant: growth habit	upright	semi-upright	semi-upright
<input type="checkbox"/> One-year-old shoot: colour	green	green	greenish red
<input checked="" type="checkbox"/> *Leaf: length	medium	long to very long	long
<input checked="" type="checkbox"/> Leaf: width	medium to broad	very broad	medium to broad
<input type="checkbox"/> *Leaf: shape	elliptic	elliptic	elliptic
<input type="checkbox"/> Leaf: colour of upper side	green	green	green
<input type="checkbox"/> *Leaf: intensity of green colour on upper side (varieties with green leaf colour only)	medium	medium	medium
<input type="checkbox"/> *Leaf: margin	entire	entire	entire
<input type="checkbox"/> Flower bud: anthocyanin colouration	weak	weak	weak
<input type="checkbox"/> Flower: shape of corolla	urceolate	urceolate	urceolate
<input type="checkbox"/> *Flower: size of corolla tube	medium	medium	medium
<input type="checkbox"/> *Flower: anthocyanin colouration of corolla tube	weak	absent or very weak	absent or very weak
<input type="checkbox"/> Flower: ridges on corolla tube	present	present	present
<input type="checkbox"/> Fruit cluster: density	sparse to medium	medium	medium
<input type="checkbox"/> *Unripe fruit: intensity of green colour	medium	medium	light
<input type="checkbox"/> *Fruit: size	large to very large	large to very large	large
<input type="checkbox"/> *Fruit: shape in longitudinal section	oblate	oblate	oblate
<input type="checkbox"/> Fruit: attitude of sepals	erect	erect	erect
<input type="checkbox"/> Fruit: type of sepals	straight	straight	straight
<input type="checkbox"/> Fruit: diameter of calyx basin	large to very large	large	large
<input type="checkbox"/> Fruit: depth of calyx basin	deep	deep	deep
<input type="checkbox"/> *Fruit: intensity of bloom	strong	strong	strong

<input type="checkbox"/> *Fruit: colour of skin	dark blue	dark blue	dark blue
<input checked="" type="checkbox"/> Fruit: firmness	medium to firm	firm	very firm
<input checked="" type="checkbox"/> *Fruit: sweetness	medium	strong	high
<input checked="" type="checkbox"/> *Fruit: acidity	medium	weak to medium	high
<input type="checkbox"/> *Plant: fruiting type	on one-year-old and current season's shoots	on one-year-old shoots only	on one-year-old and current season's shoots
<input type="checkbox"/> *Time of: vegetative bud burst	medium to late	late	early
<input type="checkbox"/> *Time of: beginning of flowering on current year's shoot (varieties which fruit on one-year-old and current season's shoots only)	very late	late	late to very late
<input type="checkbox"/> *Time of: beginning of fruit ripening on current year's shoot (varieties which fruit on one-year-old and current season's shoots)	very late	late	late to very late

#### **Statistical Table**

<b>Organ/Plant Part: Context</b>	<b>'Ridley 0808'</b>	<b>'C00-09'</b>	<b>'Ridley 1607'</b>
<input checked="" type="checkbox"/> Leaf: width (mm)			
Mean	30.50	37.90	30.30
Std. Deviation	3.00	4.00	3.40
LSD/sig	4.34	P≤0.01	ns
<input checked="" type="checkbox"/> Fruit: diameter of calyx basin (mm)			
Mean	8.70	7.40	7.60
Std. Deviation	1.00	0.50	0.60
LSD/sig	0.94	P≤0.01	P≤0.01

#### **Prior Applications and Sales:**

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
USA	2017	Pending	'Ridley 0808'

First sold in Australia, February 2017

Description: **Ian Paananen**, Macmasters Beach, NSW

<b>Details of Application</b>		
<b>Application Number</b>	2017/245	
<b>Variety Name</b>	'Ridley 1607'	
<b>Genus Species</b>	<i>Vaccinium</i> hybrid	
<b>Common Name</b>	Southern Highbush Blueberry	
<b>Accepted Date</b>	01 Mar 2018	
<b>Applicant</b>	Mountain Blue Orchards Pty Ltd, Lindendale, NSW	
<b>Qualified Person</b>	Ian Paananen	
<b>Details of Comparative Trial</b>		
<b>Location</b>	Tabulam, NSW	
<b>Descriptor</b>	TG/137/4	
<b>Period</b>	September 2016-September 2017	
<b>Conditions</b>	Trial conducted in standard commercial field production conditions, plants propagated from cuttings, planted into field from 125mm pots.	
<b>Trial Design</b>	6 plants per variety randomly blocked in standard commercial beds	
<b>Measurements</b>	Fruit and leaf observations from 4 plants with 20 ripe fruit randomly picked and measurements taken from 10 of these fruit at random. Leaf observations from largest mature leaf on a branch.	
<b>RHS Chart - edition</b>	2015	
<b>Origin and Breeding</b>		
Controlled pollination: seed parent 'Ridley 1403' x pollen parent 'Ridley 4609' in 2011 in Lindendale, NSW. The seed parent is characterised by early-medium time of flowering and fruit ripening. The pollen parent is characterised by firm fruit with late time of fruit ripening. 2012-2014: seed from the stated parents grown on (approx 100 plants produced) grown on. 2014: single seedling (M14-16-07) selection made with desirable commercial traits and concluded as being of commercial value due to its distinctive traits. 2014- present: Continued propagation of cuttings for commercial scale testing of field and post harvest performance. As a result it was concluded to be a distinct and viable commercial variety and named 'Ridley 1607'. Selection took place in Lindendale, NSW in 2014. Selection criteria: strong plant growth vigor, upright-semi upright habit, low chilling requirement, late timing, desirable fruit traits. Propagation: vegetative cuttings and micropropagation were found to be uniform and stable. Breeder: Ridley Bell, Lindendale, NSW.		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Leaf	width	medium to broad or broad
Fruit	size	large
Fruit	shape	oblate
Fruit	sweetness	high or high to very high



<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>	
<b>Name</b>	<b>Comments</b>
'Ridley 4609'	parent variety
'Ridley 1602'	sibling variety
'Ridley 1105'	

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

<b>Organ/Plant Part: Context</b>	<b>'Ridley 1607'</b>	<b>'Ridley 1105'</b>	<b>'Ridley 1602'</b>	<b>'Ridley 4609'</b>
<input checked="" type="checkbox"/> *Plant: vigour	strong to very strong	strong	strong to very strong	medium
<input type="checkbox"/> *Plant: growth habit	semi-upright	upright	semi-upright	semi-upright
<input type="checkbox"/> One-year-old shoot: colour	greenish red	greenish red	greenish red	green
<input type="checkbox"/> *Leaf: length	long	long	long to very long	medium to long
<input type="checkbox"/> Leaf: width	medium to broad	broad	medium to broad	medium to broad
<input type="checkbox"/> *Leaf: shape	elliptic	elliptic	elliptic	elliptic
<input type="checkbox"/> Leaf: colour of upper side	green	green	green	green
<input type="checkbox"/> *Leaf: intensity of green colour on upper side (varieties with green leaf colour only)	medium	medium	medium	medium
<input type="checkbox"/> *Leaf: margin	entire	entire	entire	entire
<input type="checkbox"/> Flower bud: anthocyanin colouration	weak	weak	weak	weak
<input type="checkbox"/> Flower: shape of corolla	urceolate	urceolate	urceolate	urceolate
<input type="checkbox"/> *Flower: size of corolla tube	medium	medium	medium	medium
<input type="checkbox"/> *Flower: anthocyanin colouration of corolla tube	absent or very weak	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/> Flower: ridges on corolla tube	present	present	present	present
<input type="checkbox"/> Fruit cluster: density	medium	medium	medium	medium
<input type="checkbox"/> *Unripe fruit: intensity of green colour	light	light	light	light
<input type="checkbox"/> *Fruit: size	large	large	large	large
<input type="checkbox"/> *Fruit: shape in longitudinal section	oblate	oblate	oblate	oblate
<input type="checkbox"/> Fruit: attitude of sepals	erect	erect	erect	erect
<input type="checkbox"/> Fruit: type of sepals	straight	straight	straight	straight
<input type="checkbox"/> Fruit: diameter of calyx basin	large	medium to large	large	large

<input checked="" type="checkbox"/>	Fruit: depth of calyx basin	deep	medium	deep	deep
<input checked="" type="checkbox"/>	*Fruit: intensity of bloom	strong	strong	strong	medium
<input type="checkbox"/>	*Fruit: colour of skin	dark blue	dark blue	dark blue	dark blue
<input checked="" type="checkbox"/>	Fruit: firmness	very firm	firm	very firm	firm
<input type="checkbox"/>	*Fruit: sweetness	high	high	high to very high	high
<input checked="" type="checkbox"/>	*Fruit: acidity	high	medium	medium to high	medium
<input type="checkbox"/>	*Plant: fruiting type	on one-year-old and current season's shoots	on one-year-old and current season's shoots	on one-year-old and current season's shoots	on one-year-old and current season's shoots
<input type="checkbox"/>	*Time of: vegetative bud burst	Early	early	very early	late
<input type="checkbox"/>	*Time of: beginning of flowering on current year's shoot (varieties which fruit on one-year-old and current season's shoots only)	late to very late	very early	very early to early	late
<input type="checkbox"/>	*Time of: beginning of fruit ripening on current year's shoot (varieties which fruit on one-year-old and current season's shoots)	late to very late	very early	very early to early	late

**Prior Applications and Sales:**

Country	Year	Status	Name Applied
USA	2017	Pending	'Ridley 1607'

Description: **Ian Paananen**, Macmasters Beach, NSW

<b>Details of Application</b>		
<b>Application Number</b>	2017/100	
<b>Variety Name</b>	'Ridley 1105'	
<b>Genus Species</b>	<i>Vaccinium</i> hybrid	
<b>Common Name</b>	Southern Highbush Blueberry	
<b>Accepted Date</b>	29 May 2017	
<b>Applicant</b>	Mountain Blue Orchards Pty Ltd., Lindendale, NSW	
<b>Qualified Person</b>	Ian Paananen	
<b>Details of Comparative Trial</b>		
<b>Location</b>	Tabulam, NSW	
<b>Descriptor</b>	TG/137/4	
<b>Period</b>	September 2016-September 2017	
<b>Conditions</b>	Trial conducted in standard commercial field production conditions, plants propagated from cuttings, planted into field from 125mm pots.	
<b>Trial Design</b>	6 plants per variety randomly blocked in standard commercial beds	
<b>Measurements</b>	Fruit and leaf observations from 4 plants with 20 ripe fruit randomly picked and measurements taken from 10 of these fruit at random. Leaf observations from largest mature leaf on a branch.	
<b>RHS Chart - edition</b>	2015	
<b>Origin and Breeding</b>		
Controlled pollination: seed parent Ridley 1111 x pollen parent M07-05-06 in 2011 in Lindendale, NSW. The seed parent is characterised by a medium leaf size, semi-upright growth habit and medium fruit sweetness. The pollen parent is characterised by a semi-upright growth habit, medium fruit size and medium growth vigour. 2012: seed from the stated parents grown on (approx 100 plants produced) grown on. 2014: single seedling (M14-11-05) selection made with desirable commercial traits and concluded as being of commercial value due to its distinctive traits. 2014- present: Continued propagation of cuttings for commercial scale testing of field and post harvest performance. As a result it was concluded to be a distinct and viable commercial variety and named Ridley 1105. Selection took place in Lindendale, NSW in 2014. Selection criteria: strong plant growth vigour, very early time of flowering and fruit ripening, large, sweet, firm, crisp fruit, suited to handling. Propagation: vegetative cuttings and micropropagation were found to be uniform and stable. Breeder: Ridley Bell, Lindendale, NSW.		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Fruit	diameter of calyx basin	medium to large
Fruit	firmness	firm or medium to firm
Time of	beginning of flowering	very early
Flower	ridges on corolla tube	present
Fruit	colour of skin	dark blue

<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>	
<b>Name</b>	<b>Comments</b>
'Ridley 4514'	
'Ridley 0501'	
'Ridley 1111'	parent variety

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

<b>Organ/Plant Part: Context</b>	<b>'Ridley 1105'</b>	<b>'Ridley 0501'</b>	<b>'Ridley 1111'</b>	<b>'Ridley 4514'</b>
<input checked="" type="checkbox"/> *Plant: vigour	strong	medium	strong	strong to very strong
<input type="checkbox"/> *Plant: growth habit	upright	semi-upright	semi-upright	upright
<input type="checkbox"/> One-year-old shoot: colour	greenish red	green	green	green
<input checked="" type="checkbox"/> *Leaf: length	long	long	medium to long	medium
<input checked="" type="checkbox"/> Leaf: width	broad	medium to broad	medium to broad	medium
<input type="checkbox"/> *Leaf: shape	elliptic	elliptic	elliptic	elliptic
<input type="checkbox"/> Leaf: colour of upper side	green	green	green	green
<input type="checkbox"/> *Leaf: intensity of green colour on upper side (varieties with green leaf colour only)	medium	light to medium	medium	medium
<input type="checkbox"/> *Leaf: margin	entire	entire	entire	entire
<input checked="" type="checkbox"/> Flower bud: anthocyanin colouration	weak	weak	very weak	weak
<input type="checkbox"/> Flower: shape of corolla	urceolate	urceolate	urceolate	urceolate
<input type="checkbox"/> *Flower: size of corolla tube	medium	medium	medium to large	medium
<input checked="" type="checkbox"/> *Flower: anthocyanin colouration of corolla tube	absent or very weak	absent or very weak	absent or very weak	weak
<input type="checkbox"/> Flower: ridges on corolla tube	present	present	present	present
<input type="checkbox"/> Fruit cluster: density	medium	medium to dense	medium	medium
<input type="checkbox"/> *Unripe fruit: intensity of green colour	light	light	light	light
<input type="checkbox"/> *Fruit: size	large	medium	medium to large	large
<input checked="" type="checkbox"/> *Fruit: shape in longitudinal section	oblate	round	round	oblate
<input type="checkbox"/> Fruit: attitude of sepals	erect	erect to semi-erect	erect	erect

<input type="checkbox"/>	Fruit: type of sepals	straight	straight	straight	straight
<input type="checkbox"/>	Fruit: diameter of calyx basin	medium to large	medium to large	medium to large	medium to large
<input checked="" type="checkbox"/>	Fruit: depth of calyx basin	medium	deep	medium	deep to very deep
<input type="checkbox"/>	*Fruit: intensity of bloom	strong	weak to medium	strong	strong
<input type="checkbox"/>	*Fruit: colour of skin	dark blue	dark blue	dark blue	dark blue
<input type="checkbox"/>	Fruit: firmness	firm	medium to firm	firm	firm
<input checked="" type="checkbox"/>	*Fruit: sweetness	high	low to medium	medium	medium to high
<input checked="" type="checkbox"/>	*Fruit: acidity	medium	medium to high	low	low
<input type="checkbox"/>	*Plant: fruiting type	on one-year-old and current season's shoots	on one-year-old shoots only	on one-year-old and current season's shoots	on one-year-old and current season's shoots
<input checked="" type="checkbox"/>	*Time of: vegetative bud burst	early	medium	medium to late	late
<input type="checkbox"/>	*Time of: beginning of flowering on current year's shoot (varieties which fruit on one-year-old and current season's shoots only)	very early	very early	very early	very early
<input type="checkbox"/>	*Time of: beginning of fruit ripening on current year's shoot (varieties which fruit on one-year-old and current season's shoots)	very early	early to medium	very early	early

### Statistical Table

Organ/Plant Part: Context	'Ridley 1105'	'Ridley 0501'	'Ridley 1111'	'Ridley 4514'
<input checked="" type="checkbox"/> Leaf: length (mm)				
Mean	56.60	67.40	58.60	51.50
Std. Deviation	4.30	4.10	3.80	3.20
LSD/sig	4.72	P≤0.01	ns	P≤0.01
<input checked="" type="checkbox"/> Leaf: width (mm)				
Mean	34.50	31.70	30.20	29.30
Std. Deviation	3.60	2.20	4.30	1.80
LSD/sig	3.83	ns	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Berry: diameter (mm)				
Mean	19.30	17.40	15.40	18.90
Std. Deviation	1.90	0.70	0.90	1.30
LSD/sig	1.55	P≤0.01	P≤0.01	ns

### Prior Applications and Sales:

Nil

Description: **Ian Paananen**, Macmasters Beach, NSW

<b>Details of Application</b>		
<b>Application Number</b>	2017/101	
<b>Variety Name</b>	'Ridley 4507'	
<b>Genus Species</b>	<i>Vaccinium</i> hybrid	
<b>Common Name</b>	Southern Highbush Blueberry	
<b>Accepted Date</b>	29 May 2017	
<b>Applicant</b>	Mountain Blue Orchards Pty Ltd, Lindendale, NSW	
<b>Qualified Person</b>	Ian Paananen	
<b>Details of Comparative Trial</b>		
<b>Location</b>	Tabulam, NSW	
<b>Descriptor</b>	TG/137/4	
<b>Period</b>	September 2016-September 2017	
<b>Conditions</b>	Trial conducted in standard commercial field production conditions, plants propagated from cuttings, planted into field from 125mm pots.	
<b>Trial Design</b>	6 plants per variety randomly blocked in standard commercial beds	
<b>Measurements</b>	Fruit and leaf observations from 4 plants with 20 ripe fruit randomly picked and measurements taken from 10 of these fruit at random. Leaf observations from largest mature leaf on a branch.	
<b>RHS Chart - edition</b>	2015	
<b>Origin and Breeding</b>		
Controlled pollination: seed parent 'C99-42' x pollen parent 'C00-008' in 2006 in Lindendale, NSW. The seed parent is characterised by medium fruit sweetness and firmness, round fruit shape and early to medium time of flowering and fruit ripening. The pollen parent is characterised by a soft to medium fruit firmness, medium to high fruit sweetness and medium to late time of fruit ripening. 2008-2013: seed from the stated parents grown on (approx 100 plants produced) grown on. 2013: single seedling (M08-45-07) selection made with desirable commercial traits and concluded as being of commercial value due to its distinctive traits. 2013- present: Continued propagation of cuttings for commercial scale testing of field and post harvest performance. As a result it was concluded to be a distinct and viable commercial variety and named 'Ridley 4507'. Selection took place in Lindendale, NSW in 2013. Selection criteria: very early season; good vigour; large firm berry, good flavour, high yield, good picking scar, suited to handling. Propagation: vegetative cuttings and micropropagation were found to be uniform and stable. Breeder: Ridley Bell, Lindendale, NSW.		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Flower	ridges on corolla tube	present
Fruit	firmness	firm
Time of	beginning of flowering	very early or very early to early

<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>	
<b>Name</b>	<b>Comments</b>
'Ridley 4514'	
'C99-42'	parent variety
<b>Varieties of Common Knowledge identified and subsequently excluded</b>	

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

<b>Organ/Plant Part: Context</b>	<b>'Ridley 4507'</b>	<b>'C99-42'</b>	<b>'Ridley 4514'</b>
<input checked="" type="checkbox"/> *Plant: vigour	medium to strong	medium to strong	strong to very strong
<input checked="" type="checkbox"/> *Plant: growth habit	semi-upright	spreading	upright
<input type="checkbox"/> One-year-old shoot: colour	greenish red	green	green
<input type="checkbox"/> *Leaf: length	medium	long to very long	medium
<input type="checkbox"/> Leaf: width	medium	medium to broad	medium
<input type="checkbox"/> *Leaf: shape	elliptic	elliptic	elliptic
<input type="checkbox"/> Leaf: colour of upper side	green	green	green
<input type="checkbox"/> *Leaf: intensity of green colour on upper side (varieties with green leaf colour only)	light to medium	medium	medium
<input type="checkbox"/> *Leaf: margin	entire	entire	entire
<input checked="" type="checkbox"/> Flower bud: anthocyanin colouration	very weak	weak	weak
<input type="checkbox"/> Flower: shape of corolla	urceolate	urceolate	urceolate
<input type="checkbox"/> *Flower: size of corolla tube	medium	medium	medium
<input type="checkbox"/> *Flower: anthocyanin colouration of corolla tube	absent or very weak	weak to medium	weak
<input type="checkbox"/> Flower: ridges on corolla tube	present	present	present
<input checked="" type="checkbox"/> Fruit cluster: density	medium	medium	medium
<input type="checkbox"/> *Unripe fruit: intensity of green colour	light	light	light
<input type="checkbox"/> *Fruit: size	large	large	large
<input checked="" type="checkbox"/> *Fruit: shape in longitudinal section	oblate	round	oblate
<input type="checkbox"/> Fruit: attitude of sepals	erect	erect	erect
<input type="checkbox"/> Fruit: type of sepals	straight	straight	straight
<input type="checkbox"/> Fruit: diameter of calyx basin	medium to large	medium	medium to large
<input checked="" type="checkbox"/> Fruit: depth of calyx basin	deep	deep to very deep	deep to very deep



<input type="checkbox"/> *Fruit: intensity of bloom	strong	medium	strong
<input type="checkbox"/> *Fruit: colour of skin	dark blue	dark blue	dark blue
<input type="checkbox"/> Fruit: firmness	firm	firm	firm
<input checked="" type="checkbox"/> *Fruit: sweetness	high to very high	medium	medium to high
<input checked="" type="checkbox"/> *Fruit: acidity	medium	low to medium	low
<input type="checkbox"/> *Plant: fruiting type	on one-year-old and current season's shoots	on one-year-old shoots only	on one-year-old and current season's shoots
<input type="checkbox"/> *Time of: vegetative bud burst	medium to late	early	late
<input type="checkbox"/> *Time of: beginning of flowering on current year's shoot (varieties which fruit on one-year-old and current season's shoots only)	very early	very early to early	very early
<input type="checkbox"/> *Time of: beginning of fruit ripening on current year's shoot (varieties which fruit on one-year-old and current season's shoots)	very early	early	early

### **Statistical Table**

<b>Organ/Plant Part: Context</b>	<b>'Ridley 4507'</b>	<b>'C99-42'</b>	<b>'Ridley 4514'</b>
<input checked="" type="checkbox"/> Fruit: diameter (mm)			
Mean	18.90	14.80	18.90
Std. Deviation	0.80	0.60	1.30
LSD/sig	1.19	P<0.01	ns
<input checked="" type="checkbox"/> Fruit: diameter of calyx basin (mm)			
Mean	6.50	5.47	7.00
Std. Deviation	0.50	0.40	0.90
LSD/sig	0.82	P<0.01	P<0.01

### **Prior Applications and Sales:**

Nil

Description: **Ian Paananen**, Macmasters Beach, NSW

<b>Details of Application</b>		
<b>Application Number</b>	2017/102	
<b>Variety Name</b>	'Ridley 1212'	
<b>Genus Species</b>	<i>Vaccinium</i> hybrid	
<b>Common Name</b>	Southern Highbush Blueberry	
<b>Accepted Date</b>	29 May 2017	
<b>Applicant</b>	Mountain Blue Orchards Pty Ltd, Lindendale, NSW	
<b>Qualified Person</b>	Ian Paananen	
<b>Details of Comparative Trial</b>		
<b>Location</b>	Tabulam, NSW	
<b>Descriptor</b>	TG/137/4 Blueberry	
<b>Period</b>	September 2016-September 2017	
<b>Conditions</b>	Trial conducted in standard commercial field production conditions, plants propagated from cuttings, planted into field from 125mm pots.	
<b>Trial Design</b>	6 plants per variety randomly blocked in standard commercial beds	
<b>Measurements</b>	Fruit and leaf observations from 4 plants with 20 ripe fruit randomly picked and measurements taken from 10 of these fruit at random. Leaf observations from largest mature leaf on a branch.	
<b>RHS Chart - edition</b>	2015	
<b>Origin and Breeding</b>		
Controlled pollination: seed parent 'M07-18-03' x pollen parent 'M05-05-04' in 2009 in Lindendale, NSW. The seed parent is characterised by a large leaf size, very strong growth vigour and medium fruit sweetness and firmness. The pollen parent is characterised by an upright growth habit and medium fruit size. 2010: seed from the stated parents grown on (approx 100 plants produced) grown on. 2012: single seedling (M12-12-12) selection made with desirable commercial traits and concluded as being of commercial value due to its distinctive traits. 2012- present: Continued propagation of cuttings for commercial scale testing of field and post harvest performance. As a result it was concluded to be a distinct and viable commercial variety and named 'Ridley 1212'. Selection took place in Lindendale, NSW in 2012. Selection criteria: early-medium season; strong vigour; open bush; large, sweet, firm berry, good flavour, suited to machine harvest. Propagation: vegetative cuttings and micropropagation were found to be uniform and stable. Breeder: Ridley Bell, Lindendale, NSW.		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Time of	beginning of fruit ripening	early to early-medium
Fruit	type of sepals	straight
Fruit	colour of skin	dark blue

<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>	
<b>Name</b>	<b>Comments</b>
'Ridley3402'	
'Ridley 0501'	
'C99-42'	

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

<b>Organ/Plant Part: Context</b>	<b>'Ridley 1212'</b>	<b>'C99-42'</b>	<b>'Ridley 0501'</b>	<b>'Ridley '3402'</b>
<input type="checkbox"/> *Plant: vigour	strong	medium to strong	medium	strong
<input type="checkbox"/> *Plant: growth habit	semi-upright	spreading	semi-upright	semi-upright
<input type="checkbox"/> One-year-old shoot: colour	greenish red	green	green	green
<input checked="" type="checkbox"/> *Leaf: length	medium	long to very long	long	long
<input checked="" type="checkbox"/> Leaf: width	narrow to medium	medium to broad	medium to broad	broad to very broad
<input type="checkbox"/> *Leaf: shape	elliptic	elliptic	elliptic	elliptic
<input type="checkbox"/> Leaf: colour of upper side	green	green	green	green
<input type="checkbox"/> *Leaf: intensity of green colour on upper side (varieties with green leaf colour only)	medium	medium	light to medium	medium
<input type="checkbox"/> *Leaf: margin	entire	entire	entire	entire
<input type="checkbox"/> Flower bud: anthocyanin colouration	weak	weak	weak	weak
<input type="checkbox"/> Flower: shape of corolla	urceolate	urceolate	urceolate	urceolate
<input type="checkbox"/> *Flower: size of corolla tube	medium	medium	medium	small to medium
<input type="checkbox"/> *Flower: anthocyanin colouration of corolla tube	absent or very weak	weak to medium	absent or very weak	absent or very weak
<input type="checkbox"/> Flower: ridges on corolla tube	present	present	present	present
<input type="checkbox"/> Fruit cluster: density	medium	medium	medium to dense	medium
<input type="checkbox"/> *Unripe fruit: intensity of green colour	light	light	light	light
<input checked="" type="checkbox"/> *Fruit: size	large	large	medium	medium
<input checked="" type="checkbox"/> *Fruit: shape in longitudinal section	oblate	round	round	oblate
<input type="checkbox"/> Fruit: attitude of sepals	erect	erect	erect to semi-erect	erect
<input type="checkbox"/> Fruit: type of sepals	straight	straight	straight	straight

<input checked="" type="checkbox"/>	Fruit: diameter of calyx basin	medium	medium	medium to large	medium
<input type="checkbox"/>	Fruit: depth of calyx basin	deep	deep to very deep	deep	medium to deep
<input type="checkbox"/>	*Fruit: intensity of bloom	strong	medium	weak to medium	strong
<input type="checkbox"/>	*Fruit: colour of skin	dark blue	dark blue	dark blue	dark blue
<input checked="" type="checkbox"/>	Fruit: firmness	firm	firm	medium to firm	soft to medium
<input type="checkbox"/>	*Fruit: sweetness	medium to high	medium	low to medium	medium to high
<input type="checkbox"/>	*Fruit: acidity	medium	low to medium	medium to high	medium to high
<input type="checkbox"/>	*Plant: fruiting type	on one-year-old and current season's shoots	on one-year-old shoots only	on one-year-old shoots only	on one-year-old shoots only
<input type="checkbox"/>	*Time of: vegetative bud burst	late	early	medium	medium
<input type="checkbox"/>	*Time of: beginning of flowering on current year's shoot (varieties which fruit on one-year-old and current season's shoots only)	early to medium	very early to early	very early	early
<input type="checkbox"/>	*Time of: beginning of fruit ripening on current year's shoot (varieties which fruit on one-year-old and current season's shoots)	early to medium	early	early to medium	early to medium

### Statistical Table

Organ/Plant Part: Context	'Ridley 1212'	'C99-42'	'Ridley 0501'	'Ridley3402'
<input checked="" type="checkbox"/> Leaf: length (mm)				
Mean	53.00	51.80	67.40	58.90
Std. Deviation	4.90	3.80	4.10	1.90
LSD/sig	4.66	ns	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Leaf: width (mm)				
Mean	25.10	25.40	31.70	33.10
Std. Deviation	4.00	4.90	2.20	4.30
LSD/sig	4.85	ns	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Fruit: diameter (mm)				
Mean	18.80	14.80	17.40	17.20
Std. Deviation	1.30	0.60	0.70	1.00
LSD/sig	1.14	P≤0.01	P≤0.01	P≤0.01
<input checked="" type="checkbox"/> Fruit: diameter of calyx basin (mm)				
Mean	7.20	5.50	6.50	6.50
Std. Deviation	0.50	0.40	0.90	0.60
LSD/sig	0.76	P≤0.01	ns	ns

**Prior Applications and Sales:**

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
USA	2016	Pending	'Ridley 1212'

Description: **Ian Paananen**, Macmasters Beach, NSW

<b>Details of Application</b>		
<b>Application Number</b>	2017/104	
<b>Variety Name</b>	'Ridley 4408'	
<b>Genus Species</b>	<i>Vaccinium</i> hybrid	
<b>Common Name</b>	Southern Highbush Blueberry	
<b>Accepted Date</b>	29 May 2017	
<b>Applicant</b>	Mountain Blue Orchards Pty Ltd., Lindendale, NSW	
<b>Qualified Person</b>	Ian Paananen	
<b>Details of Comparative Trial</b>		
<b>Location</b>	Tabulam, NSW	
<b>Descriptor</b>	TG/137/4 Blueberry	
<b>Period</b>	September 2016-September 2017	
<b>Conditions</b>	Trial conducted in standard commercial field production conditions, plants propagated from cuttings, planted into field from 125mm pots.	
<b>Trial Design</b>	6 plants per variety randomly blocked in standard commercial beds	
<b>Measurements</b>	Fruit and leaf observations from 4 plants with 20 ripe fruit randomly picked and measurements taken from 10 of these fruit at random. Leaf observations from largest mature leaf on a branch.	
<b>RHS Chart - edition</b>	2015	
<b>Origin and Breeding</b>		
Controlled pollination: seed parent 'S01-15-01' x pollen parent 'C00-09' in 2009 in Lindendale, NSW. The seed parent is characterised by a soft fruit firmness, very high fruit acidity and weak plant growth vigour. The pollen parent is characterised by a strong plant growth vigour, very large fruit size and late time of flowering and fruit ripening. 2010: seed from the stated parents grown on (approx 100 plants produced) grown on. 2011: single seedling (M11-44-08) selection made with desirable commercial traits and concluded as being of commercial value due to its distinctive traits. 2011- present: Continued propagation of cuttings for commercial scale testing of field and post harvest performance. As a result it was concluded to be a distinct and viable commercial variety and named Ridley 4408. Selection took place in Lindendale, NSW in 2011. Selection criteria: early to medium season; medium vigour; medium firm berry, good flavour, high yield, suited to machine harvesting. Propagation: vegetative cuttings and micropropagation were found to be uniform and stable. Breeder: Ridley Bell, Lindendale, NSW.		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Time of	beginning of fruit ripening	early to early-medium
Flower	ridges on corolla tube	present
Time of	vegetative bud burst	early or early to medium

<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>	
<b>Name</b>	<b>Comments</b>
'Ridley 1403'	
'C99-42'	
'Ridley3402'	

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

<b>Organ/Plant Part: Context</b>	<b>'Ridley 4408'</b>	<b>'C99-42'</b>	<b>'Ridley 1403'</b>	<b>'Ridley3402'</b>
<input type="checkbox"/> *Plant: vigour	medium	medium to strong	strong	strong
<input type="checkbox"/> *Plant: growth habit	semi-upright	spreading	semi-upright	semi-upright
<input type="checkbox"/> One-year-old shoot: colour	greenish red	green	greenish red	green
<input checked="" type="checkbox"/> *Leaf: length	long	long to very long	long to very long	long
<input type="checkbox"/> Leaf: width	medium	medium to broad	broad	broad to very broad
<input type="checkbox"/> *Leaf: shape	elliptic	elliptic	elliptic	elliptic
<input type="checkbox"/> Leaf: colour of upper side	green	green	green	green
<input type="checkbox"/> *Leaf: intensity of green colour on upper side (varieties with green leaf colour only)	medium	medium	medium	medium
<input type="checkbox"/> *Leaf: margin	entire	entire	entire	entire
<input type="checkbox"/> Flower bud: anthocyanin colouration	weak	weak	weak	weak
<input type="checkbox"/> Flower: shape of corolla	urceolate	urceolate	urceolate	urceolate
<input type="checkbox"/> *Flower: size of corolla tube	medium	medium	medium to large	small to medium
<input type="checkbox"/> *Flower: anthocyanin colouration of corolla tube	absent or very weak	weak to medium	absent or very weak	absent or very weak
<input type="checkbox"/> Flower: ridges on corolla tube	present	present	present	present
<input type="checkbox"/> Fruit cluster: density	medium to dense	medium	medium to dense	medium
<input checked="" type="checkbox"/> *Unripe fruit: intensity of green colour	very light	light	light	light
<input checked="" type="checkbox"/> *Fruit: size	large	large	very large	medium
<input checked="" type="checkbox"/> *Fruit: shape in longitudinal section	round	round	round	oblate
<input type="checkbox"/> Fruit: attitude of sepals	erect	erect	erect	erect
<input type="checkbox"/> Fruit: type of sepals	straight	straight	straight	straight
<input checked="" type="checkbox"/> Fruit: diameter of calyx basin	large	medium	large	medium

<input checked="" type="checkbox"/>	Fruit: depth of calyx basin	deep	deep to very deep	deep	medium to deep
<input type="checkbox"/>	*Fruit: intensity of bloom	strong	medium	medium	strong
<input type="checkbox"/>	*Fruit: colour of skin	dark blue	dark blue	dark blue	dark blue
<input checked="" type="checkbox"/>	Fruit: firmness	firm	firm	medium	soft to medium
<input checked="" type="checkbox"/>	*Fruit: sweetness	high to very high	medium	low to medium	medium to high
<input checked="" type="checkbox"/>	*Fruit: acidity	high	low to medium	medium to high	medium to high
<input type="checkbox"/>	*Plant: fruiting type	on one-year-old and current season's shoots	on one-year-old shoots only	on one-year-old shoots only	on one-year-old shoots only
<input type="checkbox"/>	*Time of: vegetative bud burst	early to medium	early	early to medium	medium
<input type="checkbox"/>	*Time of: beginning of flowering on current year's shoot (varieties which fruit on one-year-old and current season's shoots only)	early to medium	very early to early	very early	early
<input type="checkbox"/>	*Time of: beginning of fruit ripening on current year's shoot (varieties which fruit on one-year-old and current season's shoots)	early to medium	early	early to medium	early to medium

### Statistical Table

Organ/Plant Part: Context	'Ridley 4408'	'C99-42'	'Ridley 1403'	'Ridley '3402'
<input checked="" type="checkbox"/> Leaf: length (mm)				
Mean	56.80	51.80	60.00	58.90
Std. Deviation	4.70	3.80	3.70	1.90
LSD/sig	4.46	P<0.01	ns	ns
<input checked="" type="checkbox"/> Leaf: width (mm)				
Mean	27.90	25.40	28.70	33.10
Std. Deviation	2.00	4.90	1.90	4.30
LSD/sig	4.35	Ns	ns	P<0.01
<input checked="" type="checkbox"/> Fruit: diameter (mm)				
Mean	18.30	14.80	15.40	17.20
Std. Deviation	0.90	0.60	0.80	1.00
LSD/sig	1.04	P<0.01	P<0.01	P<0.01
<input checked="" type="checkbox"/> Fruit: diameter of calyx basin (mm)				
Mean	7.40	5.50	5.80	6.50
Std. Deviation	0.70	0.40	0.40	0.60
LSD/sig	0.68	P<0.01	P<0.01	P<0.01



**Prior Applications and Sales:**

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
USA	2016	Pending	'Ridley 4408'

Description: **Ian Paananen**, MacMasters Beach, NSW

<b>Details of Application</b>		
<b>Application Number</b>	2017/105	
<b>Variety Name</b>	Ridley '4609'	
<b>Genus Species</b>	<i>Vaccinium</i> hybrid	
<b>Common Name</b>	Southern Highbush Blueberry	
<b>Accepted Date</b>	29 May 2017	
<b>Applicant</b>	Mountain Blue Orchards Pty Ltd, Lindendale, NSW	
<b>Qualified Person</b>	Ian Paananen	
<b>Details of Comparative Trial</b>		
<b>Location</b>	Tabulam, NSW	
<b>Descriptor</b>	TG/137/4 Blueberry	
<b>Period</b>	September 2016-September 2017	
<b>Conditions</b>	Trial conducted in standard commercial field production conditions, plants propagated from cuttings, planted into field from 125mm pots.	
<b>Trial Design</b>	6 plants per variety randomly blocked in standard commercial beds	
<b>Measurements</b>	Fruit and leaf observations from 4 plants with 20 ripe fruit randomly picked and measurements taken from 10 of these fruit at random. Leaf observations from largest mature leaf on a branch.	
<b>RHS Chart - edition</b>	2015	
<b>Origin and Breeding</b>		
Controlled pollination: seed parent 'C95-152' x pollen parent 'C00-09' in 2006 in Lindendale, NSW. The seed parent is characterised by low yield, round fruit shape and upright growth habit. The pollen parent is characterised by strong plant growth vigour and very firm fruit with large fruit size. 2006-2008: seed from the stated parents grown on (approx 100 plants produced) grown on. 2008: single seedling (M08-46-09) selection made with desirable commercial traits and concluded as being of commercial value due to its distinctive traits. 2008- present: Continued propagation of cuttings for commercial scale testing of field and post harvest performance. As a result it was concluded to be a distinct and viable commercial variety and named 'Ridley 4609'. Selection took place in Lindendale, NSW in 2008. Selection criteria: late season; medium vigour; medium sized firm berry, good flavour, high yield, small picking scar. Propagation: vegetative cuttings and micropropagation were found to be uniform and stable. Breeder: Ridley Bell, Lindendale, NSW.		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Time of	beginning of flowering	late
Time of	beginning of fruit ripening	late
Flower	ridges on corolla tube	present
Fruit	shape in longitudinal section	oblate

Fruit	diameter of calyx basin	Large
Fruit	sweetness	High
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
‘C00-09’	parent variety	
‘Ridley 1812’		

**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	‘Ridley 4609’	‘C00-09’	‘Ridley 1812’
<input type="checkbox"/> *Plant: vigour	medium	medium to strong	medium
<input type="checkbox"/> *Plant: growth habit	semi-upright	semi-upright	upright
<input type="checkbox"/> One-year-old shoot: colour	green	green	green
<input checked="" type="checkbox"/> *Leaf: length	medium to long	long to very long	long to very long
<input checked="" type="checkbox"/> Leaf: width	medium to broad	very broad	broad
<input type="checkbox"/> *Leaf: shape	elliptic	elliptic	elliptic
<input type="checkbox"/> Leaf: colour of upper side	green	green	green
<input type="checkbox"/> *Leaf: intensity of green colour on upper side (varieties with green leaf colour only)	medium	medium	medium
<input type="checkbox"/> *Leaf: margin	entire	entire	entire
<input type="checkbox"/> Flower bud: anthocyanin colouration	weak	weak	weak
<input type="checkbox"/> Flower: shape of corolla	urceolate	urceolate	urceolate
<input type="checkbox"/> *Flower: size of corolla tube	medium	medium	medium
<input type="checkbox"/> *Flower: anthocyanin colouration of corolla tube	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/> Flower: ridges on corolla tube	present	present	present
<input type="checkbox"/> Fruit cluster: density	medium	medium	medium
<input type="checkbox"/> *Unripe fruit: intensity of green colour	light	medium	light
<input checked="" type="checkbox"/> *Fruit: size	large	large to very large	very large
<input type="checkbox"/> *Fruit: shape in longitudinal section	oblate	oblate	oblate
<input type="checkbox"/> Fruit: attitude of sepals	erect	erect	erect
<input type="checkbox"/> Fruit: type of sepals	straight	straight	straight
<input type="checkbox"/> Fruit: diameter of calyx basin	large	large	large to very large

<input type="checkbox"/>	Fruit: depth of calyx basin	deep	deep	deep to very deep
<input checked="" type="checkbox"/>	*Fruit: intensity of bloom	medium	strong	weak to medium
<input type="checkbox"/>	*Fruit: colour of skin	dark blue	dark blue	dark blue
<input checked="" type="checkbox"/>	Fruit: firmness	firm	firm	medium
<input type="checkbox"/>	*Fruit: sweetness	high	strong	medium to high
<input type="checkbox"/>	*Fruit: acidity	medium	weak to medium	medium to high
<input type="checkbox"/>	*Plant: fruiting type	on one-year-old and current season's shoots	on one-year-old shoots only	on one-year-old shoots only
<input type="checkbox"/>	*Time of: vegetative bud burst	late	late	very late
<input type="checkbox"/>	*Time of: beginning of flowering on current year's shoot (varieties which fruit on one-year-old and current season's shoots only)	late	late	late
<input type="checkbox"/>	*Time of: beginning of fruit ripening on current year's shoot (varieties which fruit on one-year-old and current season's shoots)	late	late	late

**Statistical Table**

<b>Organ/Plant Part: Context</b>	<b>'Ridley 4609'</b>	<b>'C00-09'</b>	<b>'Ridley 1812'</b>
<input checked="" type="checkbox"/> Leaf: length (mm)			
Mean	53.80	60.80	63.70
Std. Deviation	2.90	8.10	4.50
LSD/sig	6.93	ns	P≤0.01
<input checked="" type="checkbox"/> Leaf: width (mm)			
Mean	31.80	37.90	34.50
Std. Deviation	3.60	4.00	2.00
LSD/sig	4.15	P≤0.01	ns
<input checked="" type="checkbox"/> Fruit: diameter (mm)			
Mean	18.40	20.70	18.50
Std. Deviation	1.90	1.60	1.30
LSD/sig	2.00	P≤0.01	ns

**Prior Applications and Sales:**

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
USA	2016	Pending	'Ridley 4609'

Description: **Ian Paananen**, MacMasters Beach, NSW

<b>Details of Application</b>		
<b>Application Number</b>	2017/193	
<b>Variety Name</b>	'MYAG-2AD'	
<b>Genus Species</b>	<i>Fragaria xananassa</i>	
<b>Common Name</b>	Strawberry	
<b>Synonym</b>	Seiichi	
<b>Accepted Date</b>	05 Sep 2017	
<b>Applicant</b>	Miyoshi & Co., Ltd, Tokyo, Japan.	
<b>Agent</b>	Berry Sensation Pty Ltd, Notting Hill VIC.	
<b>Qualified Person</b>	Leslie Mitchell	
<b>Details of Comparative Trial</b>		
<b>Location</b>	Shady Creek, VIC	
<b>Descriptor</b>	Strawberry- <i>Fragaria</i> TG/22/10 Rev.	
<b>Period</b>	December 2017 to June 2018	
<b>Conditions</b>	Plants grown in individual pots in a glasshouse. Irrigated using conventional hydroponic methods. Crop protection treatments applied as required.	
<b>Trial Design</b>	Completely randomised. 25 plants per treatment.	
<b>Measurements</b>	All measurements conducted following guidelines in TG/22/10.	
<b>RHS Chart - edition</b>	6th edition 2016	
<b>Origin and Breeding</b>		
<p>Controlled pollination: In March of 2011 controlled crosses were completed between the unpatented breeding lines K84-102 (maternal parent) and A85-201 (pollen parent) at the Myoshi Company research facility located near Yamanshi Japan. Seeds were planted in April of 2012 and progeny evaluated for suitability for the fresh market from 2012-2014 at the Yamanshi property. One line - coded as MYAG-2AD - produced high yields of firm and sweet fruit and was selected for commercialization. The variety has been vegetatively reproduced through several generations and has consistently remained true to type. Breeder: Toshiaki yaki, Miyoshi &amp; Co., Ltd, Tokyo, Japan.</p>		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Plant	type of bearing	day neutral
Fruit	size	medium to large
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
'Albion'		

<b>Varieties of Common Knowledge identified and subsequently excluded</b>					
<b>Variety</b>	<b>Distinguishing Characteristics</b>		<b>State of Expression in Candidate Variety</b>	<b>State of Expression in Comparator Variety</b>	<b>Comments</b>
'Tochiotome'	Fruit	colour of flesh	medium red	light red	

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

<b>Organ/Plant Part: Context</b>	<b>'MYAG-2AD'</b>	<b>'Albion'</b>
<input type="checkbox"/> *Plant: growth habit	upright	upright
<input type="checkbox"/> Plant: density of foliage	medium to dense	medium
<input checked="" type="checkbox"/> Plant: vigour	strong to very strong	medium
<input type="checkbox"/> *Plant: position of inflorescence in relation to foliage	above	above
<input type="checkbox"/> *Plant: number of stolons	few to medium	few to medium
<input type="checkbox"/> Stolon: anthocyanin colouration	absent or very weak	absent or very weak
<input type="checkbox"/> Stolon: density of pubescence	sparse	sparse
<input checked="" type="checkbox"/> Leaf: size	very large	large
<input type="checkbox"/> Leaf: colour of upper side	medium green	medium green
<input type="checkbox"/> *Leaf: blistering	absent or weak	absent or weak
<input type="checkbox"/> *Leaf: glossiness	strong	strong
<input type="checkbox"/> Leaf: variegation	absent	absent
<input checked="" type="checkbox"/> *Terminal leaflet: length in relation to width	much longer	moderately longer
<input type="checkbox"/> *Terminal leaflet: shape of base	obtuse	obtuse
<input type="checkbox"/> Terminal leaflet: margin	serrate to crenate	crenate
<input type="checkbox"/> Terminal leaflet: shape in cross section	concave	concave
<input type="checkbox"/> Petiole: length	short	short
<input type="checkbox"/> Petiole: attitude of hairs	slightly outwards	slightly outwards
<input type="checkbox"/> Stipule: anthocyanin colouration	absent or very weak	absent or very weak
<input type="checkbox"/> Inflorescence: number of flowers	many	medium
<input type="checkbox"/> Pedicel: attitude of hairs	slightly outwards	slightly outwards
<input checked="" type="checkbox"/> Flower: diameter	large	medium
<input type="checkbox"/> *Flower: arrangement of petals	free	touching
<input type="checkbox"/> *Flower: size of calyx in relation to corolla	smaller	same size

<input type="checkbox"/> *Flower: stamen	present	present
<input checked="" type="checkbox"/> Petal: length in relation to width	moderately shorter	moderately longer
<input type="checkbox"/> *Petal: colour of upper side	white	white
<input type="checkbox"/> *Fruit: length in relation to width	moderately longer	moderately longer
<input type="checkbox"/> *Fruit: size	medium to large	medium to large
<input checked="" type="checkbox"/> *Fruit: shape	cordate	conical
<input type="checkbox"/> Fruit: difference in shape of terminal and other fruits	moderate	slight
<input type="checkbox"/> *Fruit: colour	dark red	medium red
<input type="checkbox"/> Fruit: evenness of colour	even or very slightly uneven	slightly uneven
<input type="checkbox"/> Fruit: glossiness	strong	strong
<input type="checkbox"/> Fruit: evenness of surface	even or very slightly uneven	even or very slightly uneven
<input type="checkbox"/> Fruit: width of band without achenes	very narrow to narrow	narrow
<input type="checkbox"/> *Fruit: position of achenes	below surface	above surface
<input type="checkbox"/> Fruit: position of calyx attachment	level with fruit	raised
<input type="checkbox"/> Fruit: attitude of sepals	upwards	upwards
<input type="checkbox"/> Fruit: diameter of calyx in relation to diameter of fruit	slightly larger	slightly larger
<input type="checkbox"/> Fruit: adherence of calyx	strong to very strong	medium
<input type="checkbox"/> Fruit: firmness	medium to firm	firm to very firm
<input type="checkbox"/> Fruit: colour of flesh (excluding core)	orange red	orange red
<input type="checkbox"/> Fruit: colour of core	white	white
<input type="checkbox"/> Fruit: cavity	absent or small	large
<input type="checkbox"/> *Time of: beginning of flowering	medium	medium
<input type="checkbox"/> Time of: beginning of fruit ripening	medium	medium
<input type="checkbox"/> *Type of: bearing	day neutral	day neutral

<b>Statistical Table</b>		
<b>Organ/Plant Part: Context</b>	<b>‘MYAG-2AD’</b>	<b>‘Albion’</b>
<input checked="" type="checkbox"/> Leaf: length (mm)		
Mean	119.70	99.70
Std. Deviation	14.96	12.63
LSD/sig	2.73	P≤0.01
<input checked="" type="checkbox"/> Leaf: width (mm)		

Mean	110.00	96.80
Std. Deviation	15.21	15.39
LSD /sig	2.73	P≤0.01
<input checked="" type="checkbox"/> Leaf: length/width ratio		
Mean	1.10	1.03
Std. Deviation	0.10	0.08
LSD /sig	2.73	P≤0.01
<input type="checkbox"/> Petal: length (mm)		
Mean	10.	9.28
Std. Deviation	1.25	0.70
LSD /sig	2.84	P≤0.01
<input type="checkbox"/> Petal: width (mm)		
Mean	10.56	8.32
Std. Deviation	1.37	0.57
LSD /sig	2.84	P≤0.01
<input checked="" type="checkbox"/> Petal: length/width ratio		
Mean	0.96	1.12
Std. Deviation	0.09	0.08
LSD /sig	2.84	P≤0.01

**Prior Applications and Sales:**

Nil.

Description: **Leslie Mitchell**, Eurofins Agrisearch, Shepparton, VIC 3630.



<b>Details of Application</b>	
<b>Application Number</b>	2016/207
<b>Variety Name</b>	'SRA11'
<b>Genus Species</b>	<i>Saccharum</i> hybrid
<b>Common Name</b>	Sugarcane
<b>Synonym</b>	Nil
<b>Accepted Date</b>	30 Aug 2016
<b>Applicant</b>	Sugar Research Australia Limited, Indooroopilly, QLD
<b>Agent</b>	N/A
<b>Qualified Person</b>	Michael Cox
<b>Details of Comparative Trial</b>	
<b>Location</b>	Sugar Research Australia, Mackay, QLD
<b>Descriptor</b>	Sugarcane ( <i>Saccharum</i> ) UPOV TG/186/1
<b>Period</b>	11/09/2015 to 16/08/2016
<b>Conditions</b>	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: rainfed. Chemicals: the fungicide Shirtan (60 mL/ha) was applied at planting to control pineapple disease. The insecticide Talstar (150mL/ha) was applied to control wireworms. SuSCon maxi was also applied at 15kg/ha to control grey-back cane grub. The herbicides Stomp (3L/ha) and Atradex (2.2kg/ha) were applied 21/07/2014 to control weeds. Fertiliser: DAP applied 100kg/ha at planting (18N 20P 0K 2S) and side dressed with 500kg/ha GF541 26/11/2014 (108N 0P 107.5K 21.5S). Total nutrients: 126N 20P 107.5K 23.5S.
<b>Trial Design</b>	Randomised Complete Block Design with three replicates. Plots were single row by 10m, with 1.6m between rows.
<b>Measurements</b>	Taken from up to 10 stalks sampled randomly per plot.
<b>RHS Chart - edition</b>	2001
<b>Origin and Breeding</b>	
Controlled pollination: The variety is the progeny of a controlled bi-parental cross made by Sugar Research Australia between the seed parent 'QN86-2139' and the pollen parent 'QC90-289'. Seed was collected from the pollinated female inflorescences and stored for germination in 2005. The variety has since been evaluated and selected by Sugar Research Australia in yield trials on the Bundaberg station and sites within the sugarcane growing area in the Southern 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. Breeder: Sugar Research Australia Limited.	

<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Internode	unexposed colour	yellow-green
Internode	cross-section	circular
Leaf sheath	shape of ligule	crescent-shaped
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
'KQ228'		
'Q240'		
'Q183'		

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

<b>Organ/Plant Part: Context</b>	<b>'SRA11'</b>	<b>'KQ228'</b>	<b>'Q183'</b>	<b>'Q240'</b>
<input type="checkbox"/> Stem: culm height	medium to long	-	medium to long	long
<input checked="" type="checkbox"/> Internode: length on the bud side	medium	short	medium	medium
<input type="checkbox"/> *Internode: diameter	medium to thick	thick to very thick	medium	medium to thick
<input type="checkbox"/> *Internode: shape	cylindrical	cylindrical	concave-convex	cylindrical
<input type="checkbox"/> Internode: cross-section	circular	circular	circular	circular
<input type="checkbox"/> *Internode: colour where not exposed to sun (RHS colour chart)	yellow-green 146C, 153C,153D; brown 200C, 200D	yellow-green 151A, 151B,153D, N144A	yellow-green 151A, 151B, 154D	yellow-green 151A, 151B, 154D, N144A
<input type="checkbox"/> Internode: depth of growth crack	very shallow to shallow	absent or very shallow	very shallow to shallow	absent or very shallow
<input type="checkbox"/> *Internode: expression of zigzag alignment	moderate	weak to moderate	moderate	weak
<input type="checkbox"/> Internode: waxiness	weak to medium	medium	weak to medium	medium to strong
<input type="checkbox"/> Node: width of root band	medium	narrow to medium	medium	narrow to medium
<input type="checkbox"/> Node: wax ring	medium	medium	narrow to medium	narrow to medium
<input type="checkbox"/> *Node: shape of bud	ovate	ovate	ovate	oval
<input type="checkbox"/> Node: width of bud, excluding wings	narrow	wide to very wide	narrow to medium	narrow
<input type="checkbox"/> Node: bud prominence	weak	weak to medium	very weak to weak	very weak to weak

<input type="checkbox"/> Node: depth of bud groove	shallow	absent or very shallow	shallow	shallow to medium
<input type="checkbox"/> Node: length of bud groove	medium to long	short	medium	medium to long
<input type="checkbox"/> Node: bud tip in relation to growth ring	intermediate	intermediate	intermediate	clearly below
<input type="checkbox"/> Node: bud cushion	absent or very narrow	absent or very narrow	very narrow to narrow	narrow
<input type="checkbox"/> Node: width of bud wing	medium	narrow	medium	narrow
<input type="checkbox"/> Leaf sheath: length	short to medium	-	medium	medium to long
<input checked="" type="checkbox"/> Leaf sheath: number of hairs	medium	absent or very few	few to medium	absent or very few
<input type="checkbox"/> Leaf sheath: length of hairs	medium to long	short	short to medium	-
<input type="checkbox"/> Leaf sheath: distribution of hairs	lateral and dorsal	only dorsal	only dorsal	-
<input type="checkbox"/> Leaf sheath: shape of ligule	crescent-shaped	crescent-shaped	crescent-shaped	crescent-shaped
<input type="checkbox"/> Leaf sheath: ligule width	wide	wide	medium	wide
<input type="checkbox"/> Leaf sheath: length of ligule hairs	medium	short	short	short
<input type="checkbox"/> Leaf sheath: density of ligule hairs	medium to dense	absent or very sparse	very sparse to sparse	medium
<input checked="" type="checkbox"/> Leaf sheath: shape of underlapping auricle	lanceolate	lanceolate	transitional	lanceolate
<input type="checkbox"/> Leaf sheath: size of underlapping auricle	medium	small	-	medium to large
<input checked="" type="checkbox"/> Leaf sheath: shape of overlapping auricle	deltoid	transitional	transitional	lanceolate
<input type="checkbox"/> Leaf sheath: size of overlapping auricle	medium	-	-	small to medium
<input type="checkbox"/> *Leaf blade: width at the longitudinal mid-point	very broad	-	broad	medium
<input type="checkbox"/> Leaf: midrib width	narrow to medium	-	narrow to medium	medium
<input type="checkbox"/> Leaf: ratio leaf blade width/midrib width	high	-	medium to high	low to medium
<input type="checkbox"/> Leaf blade: lamina length	long	-	medium	long

<input type="checkbox"/> Leaf blade: pubescence on margin	very sparse to sparse	sparse	very sparse to sparse	absent or very sparse
<input checked="" type="checkbox"/> Leaf blade: serration of margin	absent	present	present	present

<b>Statistical Table</b>				
<b>Organ/Plant Part: Context</b>	<b>‘SRA11’</b>	<b>‘KQ228’</b>	<b>‘Q183’</b>	<b>‘Q240’</b>
<input type="checkbox"/> Stem: culm length (mm)				
Mean	2832.50	-	2812.10	2994.00
Std. Deviation	383.40	-	328.40	176.99
LSD/sig	587.2	-	ns	ns
<input checked="" type="checkbox"/> Internode: length on the bud side (cm)				
Mean	17.50	15.34	17.36	17.69
Std. Deviation	2.08	1.60	1.57	1.75
LSD/sig	2.30	P≤0.01	ns	ns
<input type="checkbox"/> Internode: width (mm)				
Mean	25.64	27.74	24.02	25.91
Std. Deviation	3.30	2.02	3.18	3.04
LSD/sig	3.16	ns	ns	ns
<input checked="" type="checkbox"/> Node: bud width (mm)				
Mean	6.07	8.68	6.86	6.17
Std. Deviation	0.80	0.84	0.78	0.64
LSD/sig	1.35	P≤0.01	ns	ns
<input type="checkbox"/> Leaf: length (mm)				
Mean	1553.40	-	1472.40	1556.40
Std. Deviation	103.30	-	137.20	111.10
LSD/sig	228.9	-	ns	ns
<input type="checkbox"/> Leaf: width (mm)				
Mean	47.55	-	44.11	40.56
Std. Deviation	6.56	-	5.60	4.17
LSD/sig	8.55	-	ns	ns
<input type="checkbox"/> Leaf: mid-rib width (mm)				
Mean	2.89	-	2.90	3.16
Std. Deviation	0.36	-	0.65	0.46
LSD/sig	0.95	-	ns	ns
<input type="checkbox"/> Leaf width: mid-rib width ratio				
Mean	16.68	-	15.87	13.03
Std. Deviation	2.91	-	3.54	1.97
LSD/sig	4.53	-	ns	ns
<input type="checkbox"/> Sheath: length (mm)				
Mean	299.69	-	316.55	320.34
Std. Deviation	28.95	-	24.72	17.21

LSD/sig	40.25	-	ns	ns
<input type="checkbox"/> Node: root band width (mm)				
Mean	9.06	8.02	9.27	8.72
Std. Deviation	1.11	0.80	1.20	1.77
LSD/sig	1.49	ns	ns	ns

### **Prior Applications and Sales**

Nil.

Description: **Michael Cox**, Kepnock, QLD.

<b>Details of Application</b>	
<b>Application Number</b>	2013/124
<b>Variety Name</b>	Peace Baby
<b>Genus Species</b>	<i>Tibouchina</i> hybrid
<b>Common Name</b>	Tibouchina
<b>Synonym</b>	N/A
<b>Accepted Date</b>	14 Jun 2013
<b>Applicant</b>	Terence Charles Keogh, Victoria Point, QLD, Australia.
<b>Agent</b>	Plants Management Australia, Dodges Ferry, TAS
<b>Qualified Person</b>	Steve Eggleton
<b>Details of Comparative Trial</b>	
<b>Location</b>	Wonga Park, VIC
<b>Descriptor</b>	PBR Tibouchina
<b>Period</b>	December 2015 to May 2018
<b>Conditions</b>	Trial conducted in the open with overhead irrigation, plants received and transferred to 180mm pots in December 2015. Plants then transferred into 250mm pots in March 2017. Pots filled with soilless, pinebark based mix with controlled release fertilizers. Appropriate pest and disease treatments were applied as required
<b>Trial Design</b>	Twelve plants of each variety in a randomised design
<b>Measurements</b>	Measurements were taken in metric system from ten plants randomly selected.
<b>RHS Chart - edition</b>	Fifth Edition
<b>Origin and Breeding</b>	
<p>Controlled pollination: 'Peace Baby' is derived from an ongoing <i>Tibouchina</i> breeding program which has spanned over 30 years. The objective of the program is to produce novel <i>Tibouchina</i> varieties varying in plant size, flower colour and with suitability to varying climatic zones. 'Peace Baby' is a hybrid derived from the deliberate cross pollination of the female parent <i>T. organensis</i> 'Totally Moonstruck' and the male parent being an individual plant of <i>T. mutabilis</i>. The breeder emasculated the flowers of 'Totally Moonstruck' and applied freshly collected pollen from <i>T. mutabilis</i>. In 2005 the breeder selected a seedling based on the key criteria of flower colour white, compact plant size and tolerance to cold temperatures. The plant was then propagated via vegetative cuttings to produce a new generation for final evaluation. 'Peace Baby' has remained stable with no occurrence of any off types. Breeder: Terence Charles Keogh, Victoria Point, Queensland, Australia.</p>	

<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Plant	cold tolerance	medium to strong
Plant	height	short to medium

Leaf	presence of variegation	absent
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
‘Chameleon’		

<b>Varieties of Common Knowledge identified and subsequently excluded</b>					
<b>Variety</b>	<b>Distinguishing Characteristics</b>		<b>State of Expression in Candidate Variety</b>	<b>State of Expression in Comparator Variety</b>	<b>Comments</b>
‘Totally moonstruck’	Plant	cold tolerance	medium to strong	Totally moonstruck	

<b>Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.</b>		
<b>Organ/Plant Part: Context</b>	<b>‘Peace Baby’</b>	<b>‘Chameleon’</b>
<input type="checkbox"/> Plant: type	shrub	shrub
<input type="checkbox"/> Plant: growth habit	erect	erect
<input type="checkbox"/> Plant: height	short to medium	short to medium
<input type="checkbox"/> Plant: time of beginning of flowering	medium	
<input type="checkbox"/> Stem: degree of hairiness	low to medium	low to medium
<input type="checkbox"/> Young shoot: anthocyanin colouration	medium to strong	medium
<input type="checkbox"/> Leaf: type	simple	simple
<input type="checkbox"/> Leaf: size	small to medium	medium
<input type="checkbox"/> Leaf: arrangement	opposite	opposite
<input type="checkbox"/> Leaf: length of blade	short to medium	medium
<input type="checkbox"/> Leaf: width of blade	narrow	narrow to medium
<input type="checkbox"/> Leaf: length of petiole	short	short
<input type="checkbox"/> Leaf: shape of blade	elliptic	elliptic
<input type="checkbox"/> Leaf: shape of apex	acute	acute
<input type="checkbox"/> Leaf: shape of base	cuneate	cuneate
<input type="checkbox"/> Leaf: incision of margin	absent	absent
<input type="checkbox"/> Leaf: type of margin	ciliate	ciliate
<input checked="" type="checkbox"/> Leaf: colour of margin	red	green

<input type="checkbox"/> Leaf: shape of cross-section	straight	straight
<input type="checkbox"/> Leaf: glossiness of upperside	weak to medium	weak to medium
<input type="checkbox"/> Leaf: green colour	light to medium	medium
<input type="checkbox"/> Leaf: presence of variegation	absent	absent
<input type="checkbox"/> Leaf: primary colour (RHS colour chart)	N137B	147A
<input type="checkbox"/> Leaf: number of colours	one	one

<b>Characteristics Additional to the Descriptor/TG</b>		
<b>Organ/Plant Part: Context</b>	<b>'Peace Baby'</b>	<b>'Chameleon'</b>
<input type="checkbox"/> Petal: predominant colour of upper side after pollen dehiscence (RHS colour chart)	155C	
<input type="checkbox"/> Leaf: degree of hairiness	medium to high	absent or low
<input checked="" type="checkbox"/> Leaf: anthocyanin colouration	weak to medium	absent or very weak
<input checked="" type="checkbox"/> Leaf: Autumn flowering in temperate environment	present	absent
<input type="checkbox"/> Flower: diameter	medium	
<input type="checkbox"/> Caylex: degree of hairiness	high to very high	
<input type="checkbox"/> Petal: predominant colour of upper side when first expanded (RHS colour chart)	155C	
<input type="checkbox"/> Plant: growth habit		
<input type="checkbox"/> Plant: cold tolerance	medium to strong	
<input type="checkbox"/> Caylex: colour (RHS colour chart)	185A	

### **Prior Applications and Sales:**

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
USA	2013	Granted	'Peace Baby'

First sold in Australia on 1<sup>st</sup> June 2012

Description: **Amelia Pegg**, Plant Growers Australia Pty Ltd, Wonga Park, VIC.



<b>Details of Application</b>	
<b>Application Number</b>	2017/057
<b>Variety Name</b>	'PROGRESSION'
<b>Genus Species</b>	<i>Solanum lycopersicum</i>
<b>Common Name</b>	Tomato
<b>Synonym</b>	Nil
<b>Accepted Date</b>	30 Mar 2017
<b>Applicant</b>	Nunhems B.V., Napoleonsweg, The Netherlands
<b>Agent</b>	Shelston IP, Sydney, NSW
<b>Qualified Person</b>	Jacinta Flattery-O'Brien

#### **Details of Comparative Trial**

<b>Overseas Testing Authority</b>	Naktuinbouw, The Netherlands
<b>Overseas Data Reference Number</b>	TMT2917
<b>Location</b>	Naktuinbouw, ROELOFARENDSEVEEN, The Netherlands
<b>Descriptor</b>	TG/44/11 and TP/44/4
<b>Period</b>	2016
<b>Measurements</b>	As according UPOV test guidelines
<b>RHS Chart - edition</b>	n/a

#### **Origin and Breeding**

Controlled pollination: Development of parent lines through crosses followed by pedigree selections and final single cross of the 2 parents to generate F1 Hybrid.

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

<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Plant	growth type	indeterminate
Peduncle	abscission layer	present
Fruit	green shoulder (before maturity)	absent
Fruit	green stripes (before maturity)	absent
Fruit	size	medium to large
Fruit	shape in longitudinal section	oblate
Fruit	number of locules	three and four
Fruit	colour at maturity	red
Plant	resistance to <i>Meloidogyne incognita</i>	susceptible
Plant	resistance to <i>Verticillium</i> sp. (Va and Vd) fysio 0	present
Plant	Resistance to <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> : Race 0	present
Plant	Resistance to <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> : Race 1	present
Plant	Resistance to <i>Tomato mosaic virus</i> (ToMV) strain 0	present

Plant	resistance to <i>Tomato Spotted Wilt</i> Virus (TSWV); race 0	absent		
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>				
<b>Name</b>	<b>Comments</b>			
'Foundation'				
<b>Varieties of Common Knowledge identified and subsequently excluded</b>				
<b>Variety</b>	<b>Distinguishing Characteristics</b>	<b>State of Expression in Candidate Variety</b>	<b>State of Expression in Comparator Variety</b>	<b>Comments</b>
'Merlice'	Peduncle abscission layer	present	absent	
'Tourance'	Fruit size	large	medium	

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

<b>Organ/Plant Part: Context</b>	<b>'PROGRESSION'</b>	<b>'Foundation'</b>
<input type="checkbox"/> Seedling: anthocyanin colouration of hypocotyl (seed-propagated varieties only)	present	
<input type="checkbox"/> *Plant: growth type	indeterminate	
<input type="checkbox"/> Stem: anthocyanin colouration	absent or very weak	
<input type="checkbox"/> Stem: length of internode (varieties with plant growth type indeterminate only)	long	
<input type="checkbox"/> Plant: height (varieties with plant growth type indeterminate only)	medium to long	
<input type="checkbox"/> *Leaf: attitude	horizontal	
<input type="checkbox"/> Leaf: length	medium	
<input type="checkbox"/> Leaf: width	narrow to medium	
<input type="checkbox"/> *Leaf: type of blade	bipinnate	
<input checked="" type="checkbox"/> Leaf: size of leaflets	medium	large
<input type="checkbox"/> Leaf: intensity of green colour	medium to dark	
<input type="checkbox"/> Leaf: glossiness	very weak to weak	
<input type="checkbox"/> Leaf: blistering	weak to medium	
<input type="checkbox"/> Leaf: attitude of petiole of leaflet in relation to main axis	erect to semi-erect	
<input type="checkbox"/> Inflorescence: type	mainly uniparous	
<input type="checkbox"/> *Flower: colour	yellow	
<input type="checkbox"/> Flower: pubescence of style	present	
<input type="checkbox"/> *Peduncle: abscission layer	present	

<input type="checkbox"/> *Pedicel: length (varieties with peduncle abscission layer present only)	short to medium	
<input type="checkbox"/> *Fruit: green shoulder (before maturity)	absent	
<input type="checkbox"/> *Fruit: intensity of green colour excluding shoulder (before maturity)	light	
<input type="checkbox"/> *Fruit: size	large	medium to large
<input type="checkbox"/> *Fruit: ratio length/diameter	moderately compressed	
<input type="checkbox"/> *Fruit: shape in longitudinal section	oblate	
<input type="checkbox"/> *Fruit: ribbing at peduncle end	weak to medium	
<input checked="" type="checkbox"/> *Fruit: depression at peduncle end	medium	weak
<input type="checkbox"/> Fruit: size of peduncle scar	medium to large	
<input type="checkbox"/> Fruit: size of blossom scar	small to medium	
<input type="checkbox"/> Fruit: shape at blossom end	flat	
<input type="checkbox"/> Fruit: diameter of core in cross section in relation to total diameter	medium to large	
<input type="checkbox"/> Fruit: thickness of pericarp	medium to thick	
<input type="checkbox"/> *Fruit: number of locules	three and four	
<input type="checkbox"/> *Fruit: colour (at maturity)	red	
<input type="checkbox"/> *Fruit: colour of flesh (at maturity)	red	
<input type="checkbox"/> Fruit: glossiness of skin	medium	
<input type="checkbox"/> *Fruit: firmness	firm to very firm	
<input type="checkbox"/> Time of: flowering	medium to late	
<input type="checkbox"/> *Time of: maturity	late to very late	
<input type="checkbox"/> *Resistance to: <i>Meloidogyne incognita</i> (Mi)	susceptible	
<input type="checkbox"/> *Resistance to: <i>Verticillium</i> sp. (Va and Vd) Race 0	present	
<input type="checkbox"/> Resistance to: <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> (Fol) Race 0 (ex 1)	present	
<input type="checkbox"/> Resistance to: <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> (Fol) Race 1 (ex 2)	present	
<input type="checkbox"/> Resistance to: <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> (Fol) Race 2 (ex 3)	absent	
<input type="checkbox"/> Resistance to: <i>Fusarium oxysporum</i> f. sp. <i>radicis lycopersici</i> (Forl)	present	
<input type="checkbox"/> Resistance to: <i>Fulvia fulva</i> (Ff) (ex <i>Cladosporium fulvum</i> )	present	

Race 0		
<input type="checkbox"/> Resistance to: <i>Fulvia fulva</i> (Ff) (ex <i>Cladosporium fulvum</i> ) Group A	present	
<input type="checkbox"/> Resistance to: <i>Fulvia fulva</i> (Ff) (ex <i>Cladosporium fulvum</i> ) Group B	present	
<input type="checkbox"/> Resistance to: <i>Fulvia fulva</i> (Ff) (ex <i>Cladosporium fulvum</i> ) Group C	present	
<input type="checkbox"/> Resistance to: <i>Fulvia fulva</i> (Ff) (ex <i>Cladosporium fulvum</i> ) Group D	present	
<input type="checkbox"/> Resistance to: <i>Fulvia fulva</i> (Ff) (ex <i>Cladosporium fulvum</i> ) Group E	present	
<input type="checkbox"/> Resistance to: Tomato Mosaic Tobamovirus (ToMV) Strain 0	present	
<input type="checkbox"/> Resistance to: Tomato Mosaic Tobamovirus (ToMV) Strain 1	present	
<input type="checkbox"/> Resistance to: Tomato Mosaic Tobamovirus (ToMV) “ Strain 2	present	
<input type="checkbox"/> Resistance to: Tomato Yellow Leaf Curl Begomovirus (TYLCV)	absent	
<input type="checkbox"/> Resistance to: Tomato Spotted Wilt Tospovirus (TSWV) - Race 0	absent	
<input type="checkbox"/> Resistance to: <i>Oidium neolycopersici</i> (On) (ex <i>Oidium lycopersicum</i> (Ol))	present	

**Prior Applications and Sales:**

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
EU	2015	Granted	‘PROGRESSION’
Mexico	2016	Granted	‘PROGRESSION’
Russia	2016	Granted	‘PROGRESSION’
The Netherlands	2015	Granted	‘PROGRESSION’
USA	2017	Applied	‘PROGRESSION’

First sold in The Netherlands in September 2015.

Description: Ean Blackwell, Shelstons IP, Sydney, NSW.

<b>Details of Application</b>	
<b>Application Number</b>	2016/370
<b>Variety Name</b>	'DS Faraday'
<b>Genus Species</b>	<i>Triticum aestivum</i>
<b>Common Name</b>	Wheat
<b>Synonym</b>	'UQ01527'
<b>Accepted Date</b>	19 Dec 2016
<b>Applicant</b>	The University of Queensland, St Lucia, Queensland, Australia
<b>Agent</b>	UniQuest Pty Limited, St Lucia, Queensland, Australia
<b>Qualified Person</b>	Matthew Roche
<b>Details of Comparative Trial</b>	
<b>Location</b>	UQ Gatton Research Station, Gatton QLD 4343
<b>Descriptor</b>	Descriptor Wheat ( <i>Triticum aestivum</i> ) UPOV TG/3/11
<b>Period</b>	1 June 2016 to 16 December 2016
<b>Conditions</b>	Seed was sown on 1 June 2016 and tillers were removed for assessment on 16 December 2016. No weed control or pesticides were applied throughout the duration of the trial. Plants were irrigated to maintain unstressed growth during establishment.
<b>Trial Design</b>	The trial design was a randomised complete block with 3 generations of 3 breeding lines plus two commercial cultivars approx. 1000 plants/plot, plots being 1.25 m wide x 3.2 m long, 30 cm between plots, with 6 replicates. All data were analysed through GenStat Release 11.0 for Windows using standard Analysis of Variance procedures, which also generated protected Least Significant Differences (LSDs) for comparison of treatment means.
<b>Measurements</b>	Five plants per plot were randomly sampled at maturity, from which 3 tillers were subsequently randomly sampled from 3 different plants to measure leaf and awn measurements. Grain samples were bulked from the three tillers per plot to estimate thousand kernel weight, grains/head and grain wt/head. Coleoptile anthocyanin colouration was assessed in a separate laboratory study which commenced 21 August 2017. Coleoptile length measurement trial was established on 14 August 2017 to measure the coleoptile lengths (cm) of the different varieties. The trial contained 5 varieties being 'EGA Gregory', 'Flanker', 'UQ01512', 'UQ01520' and 'DS Faraday' and 4 replicates. On 15 August 2018 the seedlings were moved from 4 degrees Celsius to dark room at 21 degrees Celsius and on 29 August 2017 assessments were made of up to 8 seed per replicate 14 days after trial commencement. Falling number information is provided from data collected during 2016 replicated trial in Breeza. An assessment of falling number was made across the varieties after exposure in rainfall simulator for 0, 12, 24 and 48 hours. Wheat disease rating data (for the technical descriptor) was acquired from the GRDC 2016 National Variety Trials Evaluations using the standard disease resistance rating

	system being (rating and code provided): Resistant (R), Resistant - Moderately Resistant (R-MR), Moderately Resistant (MR), Moderately Resistant - Moderately Susceptible (MR-MS), Moderately Susceptible (MS), Moderately Susceptible - Susceptible (MS-S), Susceptible (S), Susceptible - Very Susceptible (S-VS), and Very Susceptible (VS).
<b>RHS Chart - edition</b>	N/A
<b>Origin and Breeding</b>	
<p>Controlled pollination: ‘DS Faraday’ was bred A/Prof Mark Dieters with the assistance of Dr Lee Hickey at the University of Queensland (UQ) from a cross of ‘EGA Gregory’ and a novel pre-harvest sprouting (PHS) donor parent line (UQ01484) previously selected at UQ by Mark Dieters. A subset of lines from this cross were evaluated by Dow AgroSciences, and ‘DS Faraday’ then was selected by Dow AgroSciences wheat breeder Nick Willey as a line with enhanced yield and superior PHS tolerance in an Australia prime hard variety for the northern zone. The breeding procedure was as follows: Generate F1 ‘UQ01484’/‘EGA Gregory’; backcross F1 to ‘EGA Gregory’; generation advance BC1F1 to BC1F2; selection in BC1F2 for grain dormancy and rust resistance; backcross single BC1F2 plants to Gregory to generate BC2F1; generated BC3F1; generation advance to produce BC3F2; selection for grain dormancy, plant type, maturity in BC3F2, BC3F4, BC3F5 generations; and propagation as line from BC3F5:6 generation. All breeding and selection steps through to generation of the BC3F5:6 were conducted in the UQ glasshouses, with plants grown under continuous light to accelerate plant development. Breeders: A/Prof Mark Dieters and Dr Lee Hickey (The University of Queensland), Nick Willey (Dow Agrosciences).</p>	

<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Grain	dormancy	non-dormant grain (GI=0.75 or more)
Disease	rust	moderately resistant
Plant	seasonal type	spring type
Ear	awns or scurs	awns
Ear	color	white
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
‘UQ01512’	PBR application 2016/368 which has been withdrawn	
‘UQ01520’	PBR application 2016/369 which has been withdrawn	
‘EGA Gregory’		
‘Flanker’		

<b>Variety Description and Distinctness - Characteristics which distinguish the candidate from the comparators are marked with a tick.</b>					
<b>Organ/Plant Part: Context</b>	<b>‘DS Faraday’</b>	<b>‘Flanker’</b>	<b>‘EGA Gregory’</b>	<b>‘UQ01512’</b>	<b>‘UQ01520’</b>
<input type="checkbox"/> Coleoptile: anthocyanin colouration	very weak to weak	absent or very weak	absent or very weak	absent or very weak	absent or very weak
<input type="checkbox"/> *Plant: growth habit	semi-erect	erect to semi-erect	semi-erect	semi-erect	semi-erect
<input type="checkbox"/> Flag leaf: anthocyanin colouration of auricles	absent or very weak	absent or very weak	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 to medium	low to medium	low to medium	low to medium
<input type="checkbox"/> *Time of: ear emergence	late	medium to late	late	medium to late	late
<input checked="" type="checkbox"/> *Flag leaf: glaucosity of sheath	medium	strong	medium to strong	medium to strong	medium to strong
<input checked="" type="checkbox"/> *Ear: glaucosity	medium to strong	medium to strong	medium to strong	medium	medium
<input checked="" type="checkbox"/> Culm: glaucosity of neck	medium to strong	medium	medium to strong	medium	medium to strong
<input checked="" type="checkbox"/> *Plant: length	very long	very long	very long	very long	long to very long
<input type="checkbox"/> *Straw: pith in cross section	very thin	very thin	very thin to thin	very thin	very thin
<input type="checkbox"/> *Ear: shape in profile	tapering	tapering	tapering	tapering	tapering
<input checked="" type="checkbox"/> *Ear: density	medium	dense	lax to medium	medium	medium
<input checked="" type="checkbox"/> Ear: length	very long	very long	long	very long	long to very long
<input type="checkbox"/> *Awns or scurs: presence	awns present	awns present	awns present	awns present	awns present
<input checked="" type="checkbox"/> *Awns of scurs at tip of ear: length	long	very long	medium	long	very long
<input type="checkbox"/> *Ear: colour	white	white	white	white	white
<input type="checkbox"/> Apical rachis segment: hairiness of convex surface	absent or very weak	absent or very weak	absent or very weak	absent or very weak	absent or very weak
<input checked="" type="checkbox"/> Lower glume: shoulder width	narrow	narrow	medium	absent or very narrow	medium

<input checked="" type="checkbox"/> Lower glume: shoulder shape	slightly sloping	sloping	sloping	straight	slightly sloping
<input checked="" type="checkbox"/> Lower glume: beak length	medium	medium	short	medium	medium
<input type="checkbox"/> Lower glume: beak shape	straight	moderately curved	straight	moderately curved	moderately curved
<input type="checkbox"/> Lower glume: extent of internal hair	very weak	very weak	very weak	very weak	very weak
<input checked="" type="checkbox"/> Lowest lemma: beak shape	straight	moderately curved	straight	straight to slightly curved	straight to slightly curved
<input type="checkbox"/> *Grain: colour	white	white	white	white	white
<input type="checkbox"/> *Seasonal type:	spring type	spring type	spring type	spring type	spring type

<b>Characteristics Additional to the Descriptor/TG</b>					
<b>Organ/Plant Part: Context</b>	<b>‘DS Faraday’</b>	<b>‘Flanker’</b>	<b>‘EGA Gregory’</b>	<b>‘UQ01512’</b>	<b>‘UQ01520’</b>
<input type="checkbox"/> Grain dormancy: Falling number - 24 hrs or less after exposure in rainfall simulator	> 300 seconds	> 300 seconds	> 300 seconds	> 300 seconds	> 300 seconds
<input type="checkbox"/> Grain dormancy: Falling number - 48 hrs after exposure in rainfall simulator	< 300 seconds	< 300 seconds	< 300 seconds	< 300 seconds	< 300 seconds
<input checked="" type="checkbox"/> Plant: Disease - Blackpoint susceptibility	Moderately Susceptible - Susceptible (MS-S)	Moderately Susceptible (MS)	Moderately Susceptible - Susceptible (MS-S)	Moderately Susceptible - Susceptible (MS-S)	Moderately Susceptible - Susceptible (MS-S)
<input checked="" type="checkbox"/> Plant: Disease - <i>Pratylenchus neglectus</i> Resistance	Susceptible (S)	Susceptible (S)	Moderately Susceptible - Susceptible (MS-S)	Susceptible (S)	Susceptible (S)
<input checked="" type="checkbox"/> Plant: Disease - <i>Pratylenchus thornei</i> Resistance	Moderately Susceptible - Susceptible (MS-S)	Moderately Susceptible (MS)	Moderately Susceptible - Susceptible (MS-S)	Moderately Susceptible (MS)	Moderately Susceptible (MS)
<input checked="" type="checkbox"/> Plant: Disease -	Moderately	Susceptible	Susceptible	Moderately	Susceptible



Cereal cyst nematodes	Susceptible (MS)	(S)	(S)	Susceptible (MS)	(S)
<input type="checkbox"/> Plant: Disease - Crown Rot	Susceptible (S)	Susceptible (S)	Susceptible (S)	Susceptible (S)	Susceptible (S)
<input checked="" type="checkbox"/> Plant: Disease - Common Root Rot	Susceptible (S)	Moderately Susceptible (MS-S)	Moderately Susceptible - Susceptible (MS-S)	Susceptible (S)	Susceptible (S)
<input checked="" type="checkbox"/> Plant: Disease - Flag Smut	Resistant (R)	Resistant (R)	Resistant (R)	Resistant - Moderately Resistant (R-MR)	Resistant (R)
<input type="checkbox"/> Plant: Disease - Leaf Rust (East coast)	Moderately Resistant (MR)	Moderately Resistant (MR)	Moderately Resistant (MR)	Moderately Resistant (MR)	Moderately Resistant (MR)
<input checked="" type="checkbox"/> Plant: Disease - Leaf Rust (West coast)	Moderately Resistant (MR)	Moderately Resistant (MR)	Resistant - Moderately Resistant (R-MR)	Moderately Resistant (MR)	Moderately Resistant (MR)
<input checked="" type="checkbox"/> Plant: Disease - Powdery Mildew	Moderately Susceptible (MS)	Moderately Resistant - Moderately Susceptible (MR-MS)	Moderately Resistant - Moderately Susceptible (MR-MS)	Moderately Resistant - Moderately Susceptible (MR-MS)	Moderately Resistant - Moderately Susceptible (MR-MS)
<input checked="" type="checkbox"/> Plant: Disease - <i>S. nodorum</i>	Moderately Susceptible - Susceptible (MS-S)	Moderately Susceptible - Susceptible (MS-S)	Moderately Susceptible (MS)	Susceptible (S)	Moderately Susceptible - Susceptible (MS-S)
<input type="checkbox"/> Plant: Disease - Yellow leaf spot	Susceptible (S)	Moderately Susceptible - Susceptible (MS-S)	Susceptible (S)	Susceptible (S)	Susceptible (S)
<input type="checkbox"/> Plant: Disease - Yellow rust (Stripe Rust)	Resistant - Moderately Resistant (R-MR)	Resistant - Moderately Resistant (R-MR)	Moderately Resistant (MR)	Resistant - Moderately Resistant (R-MR)	Resistant - Moderately Resistant (R-MR)

<b>Statistical Table</b>				
<b>Organ/Plant Part: Context</b>	<b>'DS Faraday'</b>	<b>'Flanker'</b>	<b>'Gregory'</b>	<b>'UQ01512'</b>
<input type="checkbox"/> Plant: height (cm)				
Mean	93.29	95.22	95.43	92.69

Std. Deviation	5.76	5.77	6.58	5.77
LSD/sig	6.06	ns	ns	ns
<input type="checkbox"/> Flag leaf: sheath length (cm)				
Mean	20.39	20.22	21.18	20.63
Std. Deviation	1.32	1.13	1.03	1.73
LSD/sig	1.46	ns	ns	ns
<input type="checkbox"/> Flag leaf: sheath width 1cm from base (cm)				
Mean	1.38	1.41	1.49	1.39
Std. Deviation	0.18	0.25	0.30	0.19
LSD/sig	0.23	ns	ns	ns
<input type="checkbox"/> Flag leaf: Leaf length (cm)				
Mean	28.09	28.82	28.02	27.30
Std. Deviation	3.36	2.68	3.36	3.63
LSD/sig	3.47	ns	ns	ns
<input type="checkbox"/> Flag leaf: Leaf width 1cm from base (cm)				
Mean	1.16	1.10	1.09	1.17
Std. Deviation	0.21	0.16	0.18	0.20
LSD/sig	0.23	ns	ns	ns
<input type="checkbox"/> Peduncle: length of peduncle (cm)				
Mean	39.70	38.62	40.32	40.56
Std. Deviation	3.03	2.77	1.55	2.80
LSD/sig	2.79	ns	ns	ns
<input type="checkbox"/> Peduncle: diameter of peduncle - thinnest side (mm)				
Mean	2.39	2.34	2.48	2.46
Std. Deviation	0.34	0.28	0.28	0.36
LSD/sig	0.32	ns	ns	ns
<input type="checkbox"/> Peduncle: diameter of peduncle - thickest side (mm)				
Mean	2.55	2.42	2.59	2.62
Std. Deviation	0.31	0.27	0.27	0.31
LSD/sig	0.28	ns	ns	ns
<input type="checkbox"/> Head: angle of head ( degree)				
Mean	32.96	32.78	40.28	31.11
Std. Deviation	12.34	14.27	12.30	11.88

LSD/sig	13.01	ns	ns	ns
<input type="checkbox"/> Head: length peduncle to terminal seed (cm)				
Mean	10.49	10.29	10.87	10.99
Std. Deviation	1.07	1.02	0.83	1.21
LSD/sig	1.18	ns	ns	ns
<input type="checkbox"/> Awn: awn length 1 being the closest to apex remaining (cm)				
Mean	7.45	6.88	7.74	7.09
Std. Deviation	1.07	1.53	0.90	1.49
LSD/sig	1.44	ns	ns	ns
<input type="checkbox"/> Awn: awn length 2 (cm)				
Mean	7.39	7.23	7.65	7.25
Std. Deviation	0.94	1.53	0.90	1.49
LSD/sig	1.39	ns	ns	ns
<input type="checkbox"/> Awn: awn length 3 (cm)				
Mean	7.29	7.59	7.61	7.32
Std. Deviation	0.98	1.67	0.87	1.19
LSD/sig	1.23	ns	ns	ns
<input type="checkbox"/> Grain: weight (g)				
Mean	5.26	4.88	5.67	5.79
Std. Deviation	1.14	1.04	0.52	1.18
LSD/sig	1.68	ns	ns	ns
<input type="checkbox"/> Grain: number per tiller				
Mean	133.20	129.30	144.50	144.90
Std. Deviation	19.30	29.20	12.40	21.00
LSD/sig	33.56	ns	ns	ns
<input type="checkbox"/> Grain: thousand kernel weight (g/1000)				
Mean	39.30	37.90	39.30	39.70
Std. Deviation	5.66	2.18	3.10	3.86
LSD/sig	7.13	ns	ns	ns
<input type="checkbox"/> Grain: weight/head (g/head)				
Mean	1.80	1.60	1.90	1.90
Std. Deviation	0.38	0.35	0.17	0.39
LSD/sig	0.56	ns	ns	ns

<input type="checkbox"/> Grain: number/head				
Mean	44.40	43.10	48.20	48.30
Std. Deviation	6.43	9.73	4.15	7.00
LSD/sig	11.2	ns	ns	ns
<input type="checkbox"/> Coleoptile: length (cm)				
Mean	6.84	6.84	7.20	6.85
Std. Deviation	0.70	0.76	0.96	0.89
LSD/sig	0.77	ns	ns	ns

**Prior Applications and Sales:**

Nil.

Description: **Matt Roche**, Australian Sports Turf Consultants (ASTC)

<b>Details of Application</b>	
<b>Application Number</b>	2017/263
<b>Variety Name</b>	'Longsword'
<b>Genus Species</b>	<i>Triticum aestivum</i>
<b>Common Name</b>	Wheat
<b>Synonym</b>	N/A
<b>Accepted Date</b>	20 Oct 2017
<b>Applicant</b>	Australian Grain Technologies Pty Ltd, Glen Osmond, SA
<b>Agent</b>	N/A
<b>Qualified Person</b>	Andrew Cecil
<b>Details of Comparative Trial</b>	
<b>Location</b>	Roseworthy, South Australia
<b>Descriptor</b>	TG /3/11
<b>Period</b>	2017
<b>Conditions</b>	A comparative trial was sown on the Roseworthy Campus of the University of Adelaide. In 2017 the area carried a faba bean crop which was harvested for grain. Pre-seeding herbicides Boxer Gold (2.5 l/ha), Roundup Ultra (1.5 l/ha), Sharpen (20 g/ha), Avadex (2.0 l/ha) and Hasten (1l/100l) together with an insecticide Lemat (120 ml/ha) were applied prior to seeding. The trial was sown on 22nd May 2017 and 90kg DAP + 2.5% zinc fertiliser was applied with the seed. The season was very favourable for growth of the crop and of weeds and disease. The trial was sprayed post emergence on 10th July with Velocity (500 ml/ha), Lontrel Advance (60 ml/ha), Axial (300ml/ha), Hasten (500mls/100L) to control weeds. On the 2nd of August 18 units of liquid N fertiliser was applied. The trial was sprayed to control fungal pathogens on 14th of August with Prosaro (150 ml/ha) + BS1000 (250 ml/100L) and Pirimor (250g/ha) to control any aphid activity. At no time was the trial stressed by the weather so varieties were able to fully express their genetic potential. The trial was harvested on 12th December 2017
<b>Trial Design</b>	Randomised block design of 3 blocks and 72 entries consisting of comparators and potential candidates. Sown in 24 ranges of 3 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 approximately 1000 plants per plot. Qualitative characters were recorded for every replicate at the appropriate growth stage.
<b>Measurements</b>	Quantitative characters were measured on 10 randomly sampled plants from each replicate, the samples being taken at the appropriate growth stage or after maturity. Statistical analyses were completed using "R" software.
<b>RHS Chart - edition</b>	N/A
<b>Origin and Breeding</b>	
Controlled pollination: A backcross was completed between the two parents 'Mace' and SUN435G in 2008 resulting in the population coded CO8883 with pedigree	

(SUN435G/2\*'MACE'). The F1 seed was grown over summer 2008/2009 at Roseworthy (SA) and the seed harvested as a bulk. The F2 population was grown during winter 2009 at Roseworthy (SA), heads were selected from desirable individuals (based on pant type, flowering time and stripe rust resistance) and bulked, the F3 population was grown over summer 2009/2010 at Horsham (Vic) and heads were selected from individual plants with limited selection for plant type and bulked. The F4 population was grown during winter 2010 at Roseworthy (SA), individual heads were selected from desirable individuals (based on pant type, flowering time and stripe rust resistance). In 2011 the F4 heads were individually sown as head hill plots at Roseworthy (SA) and 114 elite individuals were identified (based on plant type, maturity and stripe rust). In 2012 these lines entered AGT's agronomic, disease and quality testing network across; Western Australia, South Australia, Victoria, New South Wales and Queensland. In 2014 the elite line CO8883-014 was identified and named RAC2341. In 2016 RAC2341 entered the National Variety Trials (NVT) across; Western Australia, South Australia, Victoria, New South Wales and Tasmania. Seed purification began in 2015 and this seed was used for trials in 2017 and as the source for commercial seed multiplication. Breeder: Dr James Edwards and Dr Haydn Kuchel, Australian Grain Technologies 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
Season	type	winter
Ear	colour	white
Awn	presence	awns present
Grain	colour	white
Awns at tip of ear	length	short
Ear	density	medium
Ear	shape in profile	tapering

**Most Similar Varieties of Common Knowledge identified (VCK)**

Name	Comments
'Wedgetail'	
'Wylah'	

**Varieties of Common Knowledge identified and subsequently excluded**

Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Mace'	Seasonal type		Winter	Spring	Mace is a parent of 'Longsword'
'Scepter'	Seasonal type		Winter	Spring	

<b>Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.</b>			
<b>Organ/Plant Part: Context</b>	<b>‘Longsword’</b>	<b>‘Wedgetail’</b>	<b>‘Wylah’</b>
<input type="checkbox"/> *Plant: growth habit	erect to semi-erect	semi-erect	intermediate
<input type="checkbox"/> Flag leaf: anthocyanin colouration of auricles	very weak to weak	medium	medium
<input checked="" type="checkbox"/> Plant: frequency of plants with recurved flag leaves	low	absent or very low	absent or very low
<input type="checkbox"/> *Flag leaf: glaucosity of sheath	weak to medium	strong	weak
<input type="checkbox"/> *Ear: glaucosity	weak	strong	weak to medium
<input type="checkbox"/> Culm: glaucosity of neck	weak to medium	strong	weak to medium
<input type="checkbox"/> *Plant: length	medium	short to medium	medium
<input type="checkbox"/> *Straw: pith in cross section	very thin	thin to medium	thin to medium
<input type="checkbox"/> *Ear: shape in profile	tapering	fusiform	fusiform
<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	very short to short	medium to long	medium
<input type="checkbox"/> *Ear: colour	white	white	white
<input type="checkbox"/> Apical rachis segment: hairiness of convex surface	absent or very weak	weak	absent or very weak
<input type="checkbox"/> Lower glume: shoulder width	narrow	medium	narrow to medium
<input type="checkbox"/> Lower glume: shoulder shape	slightly sloping to straight	slightly sloping	slightly sloping to straight
<input type="checkbox"/> Lower glume: beak length	short to medium	short to medium	long
<input type="checkbox"/> Lower glume: beak shape	straight	moderately curved	straight
<input type="checkbox"/> Lower glume: extent of internal hair	very weak	weak	very weak
<input type="checkbox"/> Lowest lemma: beak shape	straight	straight	straight
<input type="checkbox"/> *Grain: colour	white	white	white
<input type="checkbox"/> *Seasonal type:	winter type	spring type	winter type

<b>Statistical Table</b>			
<b>Organ/Plant Part: Context</b>	<b>'Longsword'</b>	<b>'Wedgetail'</b>	<b>'Wylah'</b>
<input checked="" type="checkbox"/> <b>Plant: days to heading</b>			
Mean	267.00	275.70	274.70
Std. Deviation	0.58	1.15	0.58
Lsd/sig	3.11	P≤0.01	P≤0.01

**Prior Applications and Sales: Nil**

Description: **Andrew Cecil**, Australian Grain Technologies Pty Ltd, Glen Osmond, SA 5064



<b>Details of Application</b>		
<b>Application Number</b>	2016/272	
<b>Variety Name</b>	'Sweet Amethyst'	
<b>Genus Species</b>	<i>Daphne odora</i>	
<b>Common Name</b>	Winter Daphne	
<b>Accepted Date</b>	02 Nov 2016	
<b>Applicant</b>	Evan David Lloyd, Ashhurst, New Zealand	
<b>Agent</b>	Touch of Class Plants Pty Ltd, Tynong VIC	
<b>Qualified Person</b>	Mark Lunghusen	
<b>Details of Comparative Trial</b>		
<b>Location</b>	Tynong, VIC	
<b>Descriptor</b>	PBR DAPHN - Daphne	
<b>Period</b>	July 2015- August 2016	
<b>Conditions</b>	Plants were grown in commercial pine bark based media fertilized with controlled release fertilizer and treated for insects and diseases as required. Plants were grown in an unheated greenhouse with overhead watering as required.	
<b>Trial Design</b>	10 plants in block design	
<b>Measurements</b>	Taken from middle third of stem. Measurements taken in two stages as the plants matured. Most measurements taken on 10/08/2017 with follow up measurements on mature foliage taken on 30/11/2017	
<b>RHS Chart - edition</b>	Sixth edition	
<b>Origin and Breeding</b>		
Spontaneous mutation: The new Daphne was discovered by the inventor in 2010 as a naturally occurring 10 single branch mutation growing on an individual plant of <i>Daphne odora</i> 'Cameo' (not patented). The cultivar 'Sweet Amethyst' was discovered in an outdoor bed of <i>Daphne</i> 'Cameo' plants in a cultivated area of Ashhurst, New Zealand. Asexual reproduction of the new cultivar 'Sweet Amethyst' first occurred by softwood cuttings in 2010 in Ashhurst, New Zealand. Since that time, under careful observation, the unique characteristics of the new cultivar have been uniform, stable and reproduced true to type in successive generations of asexual reproduction.		
<b>Choice of Comparators</b> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge		
<b>Organ/Plant Part</b>	<b>Context</b>	<b>State of Expression in Group of Varieties</b>
Plant	growth habit	bushy
Leaf	presence of variegation	absent
<b>Most Similar Varieties of Common Knowledge identified (VCK)</b>		
<b>Name</b>	<b>Comments</b>	
<b>Name</b>	<b>Comments</b>	
'Cameo'		

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

<b>Organ/Plant Part: Context</b>	<b>'Sweet Amethyst'</b>	<b>'Cameo'</b>
<input type="checkbox"/> Plant: Type	evergreen	evergreen
<input type="checkbox"/> Plant: Growth Habit	bushy	bushy
<input checked="" type="checkbox"/> Plant: Density	dense	medium
<input checked="" type="checkbox"/> Young Shoots: Presence of Hairs	present	absent
<input checked="" type="checkbox"/> Young Shoots: Degree of Hairiness	low to medium	absent or very low
<input type="checkbox"/> Leaf (Upper side): Presence of Hairs	absent	absent
<input checked="" type="checkbox"/> Leaf (Under side): Presence of Hairs	present	absent
<input checked="" type="checkbox"/> Leaf (Under side): Degree of Hairiness	low	absent or very low
<input type="checkbox"/> Leaf: Length of blade	medium	medium
<input checked="" type="checkbox"/> Leaf : Width of blade	narrow to medium	medium to broad
<input checked="" type="checkbox"/> Leaf: size	small	medium
<input type="checkbox"/> Leaf: Arrangement	alternate spiralled	alternate spiralled
<input type="checkbox"/> Leaf: Length of Petiole	very short to short	absent or very short
<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 margin	absent or very weak	weak
<input type="checkbox"/> Leaf: Thickness	medium	medium
<input type="checkbox"/> Leaf: Shape in Cross section	carinate	carinate
<input type="checkbox"/> Leaf : Curvature of Longitudinal axis	concave	straight
<input checked="" type="checkbox"/> Leaf: Glossiness of upper side	strong	medium
<input checked="" type="checkbox"/> Leaf: Upper Surface - RHS Colour	147A	139A
<input type="checkbox"/> Leaf: Lower surface - RHS Colour	146B	146B
<input type="checkbox"/> Leaf : Presence of variegation	absent	absent
<input type="checkbox"/> Inflorescence: Position on stem	terminal	lateral and terminal
<input checked="" type="checkbox"/> Inflorescence: No. of flowers in inflorescence	few (<12)	many (>20)
<input checked="" type="checkbox"/> Bud: Predominant colour of apex - RHS colour	71A	N66A

<input checked="" type="checkbox"/>	Bud: Predominant colour of perianth tube - RHS colour	59A	186A
<input checked="" type="checkbox"/>	Flower: diameter	small	medium
<input checked="" type="checkbox"/>	Flower: Length of Calyx tube	long	medium
<input type="checkbox"/>	Flower : No. of Sepals	four	four
<input checked="" type="checkbox"/>	Calyx: Presence of Hairs - Outer side	present	absent
<input checked="" type="checkbox"/>	Sepal: Predominant colour of upper side - RHS colour	75A	NN155B
<input checked="" type="checkbox"/>	Sepal: Predominant colour of lower side - RHS colour	77B	64A
<input type="checkbox"/>	Sepal: Reflexing of margin	absent or very weak	absent or very weak
<input type="checkbox"/>	Sepal: Undulation of margin	very weak to weak	very weak to weak
<input type="checkbox"/>	Sepal: Shape	lanceolate	lanceolate
<input type="checkbox"/>	Sepal: Shape of apex	acute	acute
<input type="checkbox"/>	Flower: Fragrance	medium	medium
<input type="checkbox"/>	Flower: Time of beginning of flowering	medium	medium

**Prior Applications and Sales:**

<b>Country</b>	<b>Year</b>	<b>Status</b>	<b>Name Applied</b>
New Zealand	2013	Pending	'Sweet Amethyst'
EU	2015	Pending	'Sweet Amethyst'
USA	2014	Granted	'Sweet Amethyst'

First sold in New Zealand, September 2013

Description: **Mark Lunghusen**, Wonga park VIC

<b>Details of Application</b>	
<b>Application Number</b>	2016/064
<b>Variety Name</b>	'BK-9'
<b>Genus Species</b>	<i>Zoysia japonica x pacifica</i> (syn. <i>Zoysia japonica x tenuifolia</i> )
<b>Common Name</b>	Zoysia Grass
<b>Accepted Date</b>	04 Apr 2016
<b>Applicant</b>	Sod Solutions, Inc., Mount Pleasant, SC, USA
<b>Agent</b>	Hi Quality Turf Pty Ltd, Pitt Town Bottoms, NSW
<b>Qualified Person</b>	Dr Donald S. Loch
<b>Details of Comparative Trial</b>	
<b>Location</b>	Birkdale, QLD, Australia (Latitude 27°30'S, longitude 153°14'E, elevation 18 masl)
<b>Descriptor</b>	PBR ZOYS
<b>Period</b>	29 Aug 2016 – 6 Jul 2017
<b>Conditions</b>	Vegetative plugs established in 95 x 95 mm pots from Feb 2016; planted into a red volcanic (krasnozem or ferrosol) soil on 29 Aug 2016; weed control by pendimethalin (Rifle 440) applied at planting on 29 Aug 2016; 662 kg/ha of blended fertiliser (N:P:K:S = 15.1:4.4:11.5:13.6) applied after planting on 29 Aug 2016 to give 100 kg N, 29 kg P, 76 kg K, and 90 kg S per hectare; supplementary trickle irrigation applied as required to maintain unstressed growth.
<b>Trial Design</b>	30 plants of each of 2 cultivars ('BK-9', 'BA-305') arranged in 10 randomised blocks with 3 plants per plot in a single row along a single trickle irrigation line; 1.0 m between plants, 1.5 m between rows.
<b>Measurements</b>	Observations of flowering behaviour ongoing throughout the trial. Measurements of maximum spread and plant height made on 9 Jan 2017 (133 days after field planting). Stolon characteristics at 4th visible node and internode measured on 11-12 Jan 2017. Measurements on the 4th fully expanded leaf on vegetative tillers made on 16-19 Jan 2017. Fertile tiller characteristics measured on 18-19 Jan 2017 ('BA-305') and 6 July 2017 ('BK-9'). One measurement per plant made for all attributes. Analyses of variance (ANOVAs) conducted with Genstat Release 12; differences significant at the 1% level quantified using Fisher's protected LSDs.
<b>RHS Chart - edition</b>	5th edition
<b>Origin and Breeding</b>	
Open Pollination: 'BK-9' resulted from selections made from a field established on Craft Farms (Foley, Alabama, USA) in the late 1980s with progeny selections of crosses between clones of <i>Zoysia japonica</i> and <i>Z. pacifica</i> (formerly <i>Z. tenuifolia</i> ) showing good cold hardiness, shade tolerance and overall turf quality. The initial selection of promising F2 plants was based on desirable turf characteristics such as open habit of growth, fine texture and speed of growth. Further selections were made within the initially selected group based on cold hardiness and turf quality, and these	

were then planted out in a new evaluation field. In the summer of 2006, the final selection of 'BK-9' was made based on its superior cold hardiness, early spring green-up, intense green colour, fine turf texture, good shade tolerance and rapid regrowth after harvesting. Following its selection, 'BK-9' has been vegetatively propagated repeatedly near Foley (Alabama) without any visual evidence of off-types. The parent grasses of 'BK-9' are unknown. However, DNA analysis based on simple sequence repeat (SSR) markers grouped 'BK-9' as a *Zoysia japonica* x *Z. pacifica* genotype (Harris-Shultz et al., 2014). See also US Plant Patent 27051 (9 Aug 2016). Breeder: John Chapman, Foley, AL, USA

Harris-Shultz, K.R., Milla-Lewis, S., Patton, A.J., Kenworthy, K., Chandra, A., Waltz, F.C., Hodnett, G.L., and Stelly, D.M. (2014) Detection of DNA and ploidy variation within vegetatively propagated zoysiagrass cultivars. *Journal of the American Society for Horticultural Science* 139:547-552.

**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
Culm	node pubescence	absent
Inflorescence	length	short

**Most Similar Varieties of Common Knowledge identified (VCK)**

Name	Comments
'BA-305'	U.S. Plant Patent 18415 granted 15 Jan 2008. Australian application no. 2009/181; granted 21 Jun 2018.

**Varieties of Common Knowledge identified and subsequently excluded**

Variety	Distinguishing Characteristics		State of Expression in Candidate Variety	State of Expression in Comparator Variety	Comments
'Emerald'	leaf	length	medium-long	short-medium	U.S. public cultivar released in 1955.
'Emerald'	leaf	width	narrow	very narrow	

**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	'BK-9'	'BA-305'
<input checked="" type="checkbox"/> Plant: height	short to medium	very short
<input type="checkbox"/> Plant: width	narrow to medium	narrow to medium
<input type="checkbox"/> Stolon: number of subtending leaves (compound nodes only)	three	three
<input type="checkbox"/> Stolon: number of branches	many	many
<input checked="" type="checkbox"/> Stolon: length of internode	short to medium	very short to short
<input checked="" type="checkbox"/> Stolon: width of internode	medium to broad	narrow to medium

<input type="checkbox"/>	Stolon: colour where exposed to the sun (RHS)	59A	59A-B
<input type="checkbox"/>	Stolon: anthocyanin coloration of leaf sheath	absent or very weak	absent or very weak
<input checked="" type="checkbox"/>	Stolon: length of outer leaf sheath	medium	short
<input type="checkbox"/>	Stolon: hairiness of leaf sheath	present	present
<input type="checkbox"/>	Stolon: density of hairiness on leaf sheath (where present)	very sparse	very sparse
<input type="checkbox"/>	Stolon: distribution of hairs on leaf sheath (where present)	distal quarter	distal quarter
<input checked="" type="checkbox"/>	Culm: length	short to medium	very short
<input checked="" type="checkbox"/>	Culm: width	narrow to medium	very narrow to narrow
<input type="checkbox"/>	Culm: node pubescence	absent	absent
<input type="checkbox"/>	Culm: stem pubescence	absent	absent
<input type="checkbox"/>	Culm: flag leaf sheath length	very short to short	very short to short
<input type="checkbox"/>	Culm: flag leaf blade length	very short	very short
<input type="checkbox"/>	Culm: flag leaf blade width	very narrow	very narrow
<input type="checkbox"/>	Culm: flag leaf blade shape	linear triangular	linear triangular
<input checked="" type="checkbox"/>	Culm: leaf sheath length (3rd leaf fertile tiller)	medium	short
<input checked="" type="checkbox"/>	Culm: leaf blade length (3rd leaf fertile tiller)	medium	short
<input type="checkbox"/>	Culm: leaf blade width (3rd leaf fertile tiller)	narrow	very narrow to narrow
<input checked="" type="checkbox"/>	Culm: leaf sheath length (vegetative tiller)	medium	short
<input checked="" type="checkbox"/>	Culm: leaf blade length (vegetative tiller)	medium	short
<input checked="" type="checkbox"/>	Culm: leaf blade width (vegetative tiller)	narrow	very narrow
<input type="checkbox"/>	Culm: leaf blade shape (vegetative tiller)	linear	linear
<input type="checkbox"/>	Leaf: leaf blade shape of apex	narrow acute	narrow acute
<input type="checkbox"/>	Leaf: colour (RHS)	137B	138A
<input type="checkbox"/>	Leaf: leaf sheath presence of hairs	absent	absent
<input type="checkbox"/>	Leaf: leaf blade presence of hairs upper side	absent	absent
<input type="checkbox"/>	Leaf: leaf blade presence of hairs lower side	absent	absent
<input type="checkbox"/>	Leaf: leaf blade margin	smooth	smooth
<input type="checkbox"/>	Leaf: ligule	fringe of hairs	fringe of hairs
<input checked="" type="checkbox"/>	Peduncle: length	medium	very short to short
<input checked="" type="checkbox"/>	Peduncle: width	medium	narrow

<input checked="" type="checkbox"/> Inflorescence: spikelet density	medium to dense	sparse to medium
<input type="checkbox"/> Inflorescence: length	short	short
<input checked="" type="checkbox"/> Inflorescence: number of spikelets	few to medium	very few to few
<input type="checkbox"/> Spikelet: stigma colour	white	white
<input type="checkbox"/> Spikelet: presence of awn	absent	absent
<input checked="" type="checkbox"/> Flower: time of flowering	Apr-Oct	all year

<b>Characteristics Additional to the Descriptor/TG</b>		
<b>Organ/Plant Part: Context</b>	<b>'BK-9'</b>	<b>'BA-305'</b>
<input type="checkbox"/> Leaf: leaf blade veneration	rolled	rolled
<input type="checkbox"/> Stolon: nodes	compound	compound
<b>Statistical Table</b>		
<b>Organ/Plant Part: Context</b>	<b>'BK-9'</b>	<b>'BA-305'</b>
<input checked="" type="checkbox"/> Plant: maximum height of sward 133 days after planting		
Mean	189.00	113.83
Std. Deviation	24.58	21.51
LSD/sig	21.00	P≤0.01
<input type="checkbox"/> Stolon: total number of branches on nodes 2-6		
Mean	11.50	11.63
Std. Deviation	3.31	2.88
LSD/sig	2.07	ns
<input checked="" type="checkbox"/> Stolon: diameter of internode #4 (mm)		
Mean	1.56	1.44
Std. Deviation	0.13	0.16
LSD/sig	0.12	P≤0.01
<input checked="" type="checkbox"/> Stolon: length of internode #4 (mm)		
Mean	28.87	22.87
Std. Deviation	4.61	3.99
LSD/sig	4.10	P≤0.01
<input type="checkbox"/> Plant: maximum diameter of lateral spread 133 days after planting (cm)		
Mean	159.50	150.40
Std. Deviation	16.08	18.27
LSD/sig	16.60	ns
<input checked="" type="checkbox"/> Stolon: length of outer leaf sheath at node #4 (mm)		
Mean	13.57	10.00
Std. Deviation	1.87	2.05
LSD/sig	1.53	P≤0.01
<input checked="" type="checkbox"/> Vegetative tiller: length of sheath on 4th leaf (mm)		
Mean	23.33	13.93

Std. Deviation	2.01	1.80
LSD/sig	1.90	P≤0.01
<input checked="" type="checkbox"/> Vegetative tiller: length of blade on 4th leaf (mm)		
Mean	63.07	48.83
Std. Deviation	7.42	6.98
LSD/sig	7.24	P≤0.01
<input checked="" type="checkbox"/> Vegetative tiller: width of blade on 4th leaf (mm)		
Mean	1.89	1.45
Std. Deviation	0.10	0.08
LSD/sig	0.08	P≤0.01
<input type="checkbox"/> Vegetative tiller: length:width ratio of blade on 4th leaf		
Mean	33.32	33.71
Std. Deviation	3.65	4.29
LSD/sig	4.49	ns
<input checked="" type="checkbox"/> Fertile tiller: length (mm)		
Mean	137.87	107.87
Std. Deviation	20.86	17.39
LSD/sig	26.13	P≤0.01
<input type="checkbox"/> Fertile tiller: length of sheath on flag leaf (mm)		
Mean	21.50	20.93
Std. Deviation	2.94	3.07
LSD/sig	3.29	ns
<input type="checkbox"/> Fertile tiller: length of flag leaf blade (mm)		
Mean	1.98	2.30
Std. Deviation	1.16	1.05
LSD/sig	0.82	ns
<input checked="" type="checkbox"/> Fertile tiller: length of sheath on 4th leaf (mm)		
Mean	23.73	13.13
Std. Deviation	2.73	3.01
LSD/sig	2.81	P≤0.01
<input checked="" type="checkbox"/> Fertile tiller: length of blade on 4th leaf (mm)		
Mean	49.03	37.47
Std. Deviation	8.41	7.90
LSD/sig	8.74	P≤0.01
<input type="checkbox"/> Fertile tiller: width of blade on 4th leaf (mm)		
Mean	1.63	1.54
Std. Deviation	0.15	0.14
LSD/sig	0.11	ns
<input checked="" type="checkbox"/> Fertile tiller: length:width ratio of blade on 4th leaf		
Mean	30.24	24.31
Std. Deviation	5.10	4.35
Lsd/sig	5.67	P≤0.01



<input type="checkbox"/> Fertile tiller: length of internode #4 (mm)		
Mean	13.67	15.33
Std. Deviation	4.09	4.23
LSD/sig	2.62	ns
<input checked="" type="checkbox"/> Fertile tiller: diameter of internode #4 (mm)		
Mean	0.55	0.41
Std. Deviation	0.05	0.05
LSD/sig	0.05	P≤0.01
<input checked="" type="checkbox"/> Peduncle: length (mm)		
Mean	44.67	22.33
Std. Deviation	5.73	5.55
LSD/sig	6.77	P≤0.01
<input checked="" type="checkbox"/> Peduncle: diameter (mm)		
Mean	0.62	0.43
Std. Deviation	0.05	0.07
LSD/sig	0.06	P≤0.01
<input type="checkbox"/> Inflorescence: length (mm)		
Mean	15.37	14.53
Std. Deviation	1.69	1.74
LSD/sig	1.87	ns
<input checked="" type="checkbox"/> Inflorescence: number of spikelets		
Mean	16.27	13.57
Std. Deviation	2.02	1.74
LSD/sig	2.39	P≤0.01
<input checked="" type="checkbox"/> Inflorescence: number of spikelets per cm		
Mean	10.60	9.35
Std. Deviation	0.88	0.77
LSD/sig	0.78	P≤0.01

**Prior Applications and Sales:**

Country	Year	Status	Name Applied
USA	2013	Granted	'BK-9'

First sold in the USA, June 2012

Description: **D.S. Loch**, Alexandra Hills, QLD & **C.M. Zorin**, Birkdale, QLD

**Grants:***Acer palmatum*

CUT LEAF JAPANESE MAPLE

**‘Crimsonwave’<sup>ϕ</sup>**

Application No: 2011/246

Applicant: **Vic John Ciccolella**

Certificate No: 5667 Expiry Date: 26/06/2043.

Agent: **Fleming's Nurseries**, Monbulk, VIC.*Acmena smithii*

LILLY PILLY

**‘Viclow’<sup>ϕ</sup>**

Application No: 2015/239

Applicant: **Vic Ciccolella**

Certificate No: 5563 Expiry Date: 20/03/2043.

Agent: **The Paradise Seed Company Pty Limited**, KARIONG, NSW.*Actinidia chinensis*

KIWIFRUIT

**‘ZESY003’<sup>ϕ</sup>**

Application No: 2010/053

Applicant: **Zespri Group Limited**

Certificate No: 5609 Expiry Date: 30/05/2043.

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

AGAPANTHUS, AFRICAN LILY

**‘Golden Drop’<sup>ϕ</sup>**

Application No: 2015/007

Applicant: **Chris Roebuck**

Certificate No: 5572 Expiry Date: 23/03/2038.

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

*Albuca spiralis*

**‘Frizzle Sizzle’<sup>ϕ</sup>**

Application No: 2016/031

Applicant: **Zuidgeest Honselersdijk**

Certificate No: 5674 Expiry Date: 28/06/2038.

Agent: **Paradisias Pty Ltd**, Narre Warren Nth, VIC.

*Allium porrum*

LEEK

**‘NUNTON’<sup>ϕ</sup>**

Application No: 2011/235

Applicant: **Nunhems B.V.**

Certificate No: 5557 Expiry Date: 19/03/2038.

Agent: **Shelston IP**, Sydney, NSW.

*Aloe hybrid*

ALOE

**‘LEO 1730’<sup>ϕ</sup> syn Southern Cross<sup>ϕ</sup>**

Application No: 2008/353

Applicant: **Leo Peter Erik Thamm**

Certificate No: 5542 Expiry Date: 2/02/2038.

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

*Anigozanthos hybrid*

KANGAROO PAW

**‘KP03’<sup>ϕ</sup>**

Application No: 2015/097

Applicant: **Ozbreed Pty Limited**

Certificate No: 5637 Expiry Date: 13/06/2038.

*Anthurium andraeanum*

FLAMINGO FLOWER

**‘ANTHEFAQYR’<sup>ϕ</sup> syn White Champion<sup>ϕ</sup>**

Application No: 2008/005

Applicant: **Anthura b.v.**

Certificate No: 5630 Expiry Date: 6/06/2038.

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

*Anthurium andraeanum*

FLAMINGO FLOWER

**‘ANTHOLODOJ’<sup>Φ</sup> syn Royal Champion<sup>Φ</sup>**

Application No: 2008/012

Applicant: **Anthura b.v.**

Certificate No: 5633 Expiry Date: 7/06/2038.

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

*Anthurium andraeanum*

FLAMINGO FLOWER

**‘ANTHOLYL’<sup>Φ</sup> syn Turenza<sup>Φ</sup>**

Application No: 2008/009

Applicant: **Anthura b.v.**

Certificate No: 5632 Expiry Date: 7/06/2038.

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

*Anthurium andraeanum*

FLAMINGO FLOWER

**‘ANTHURWAP’<sup>Φ</sup> syn Sumi<sup>Φ</sup>**

Application No: 2008/007

Applicant: **Anthura b.v.**

Certificate No: 5631 Expiry Date: 6/06/2038.

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

*Argyranthemum frutescens*

MARGUERITE DAISY

**‘SUPA2221’<sup>Φ</sup>**

Application No: 2015/316

Applicant: **NuFlora International Pty Ltd**

Certificate No: 5666 Expiry Date: 25/06/2038.

Agent: **Ramm Botanicals Holdings Pty Ltd**, Kangy Angy, NSW.

*Avena sativa*

OATS

**‘Durack’**<sup>Φ</sup>

Application No: 2016/239

Applicant: **MINISTER FOR PRIMARY INDUSTRIES AND REGIONAL DEVELOPMENT  
(Acting through the South Australian Research and Development Institute).**

Certificate No: 5638 Expiry Date: 13/06/2038.

Agent: **MINISTER FOR PRIMARY INDUSTRIES AND REGIONAL DEVELOPMENT (Acting  
through SARDI),** Aelaide, SA.

*Avena sativa*

OATS

**‘Kowari’**<sup>Φ</sup>

Application No: 2017/236

Applicant: **MINISTER FOR PRIMARY INDUSTRIES AND REGIONAL DEVELOPMENT  
(Acting through the South Australian Research and Development Institute), Grains Research and  
Development Corporation**

Certificate No: 5639 Expiry Date: 13/06/2038.

*Bursaria spinosa*

SWEET BURSARIA, BLACKTHORN

**‘Allyn Emerald-Carpet’**<sup>Φ</sup>

Application No: 2015/279

Applicant: **V.F. & N.C. Jupp**

Certificate No: 5606 Expiry Date: 20/04/2038.

*Calibrachoa hybrid*

CALIBRACHOA

**‘USCAL41401’**<sup>Φ</sup>

Application No: 2015/118

Applicant: **Plant 21 LLC**

Certificate No: 5550 Expiry Date: 6/03/2038.

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

*Calibrachoa hybrid*

CALIBRACHOA

**‘USCAL42202’**<sup>Φ</sup>

Application No: 2015/117

Applicant: **Plant 21 LLC**

Certificate No: 5549 Expiry Date: 6/03/2038.

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

*Calibrachoa sp.*

CALIBRACHOA

**‘Sunbel 0579’**<sup>Φ</sup>

Application No: 2015/140

Applicant: **Suntory Flowers Limited**

Certificate No: 5673 Expiry Date: 28/06/2038.

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

*Calibrachoa sp.*

CALIBRACHOA

**‘Sunbel 0778’**<sup>Φ</sup>

Application No: 2015/134

Applicant: **Suntory Flowers Limited**

Certificate No: 5668 Expiry Date: 28/06/2038.

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

*Capsicum annuum*

SWEET PEPPER

**‘Maduro’**<sup>Φ</sup>

Application No: 2015/105

Applicant: **Enza Zaden Beheer B.V.**

Certificate No: 5541 Expiry Date: 29/01/2038.

Agent: **Spruson & Ferguson**, Sydney, NSW.

*Chloris gayana*

RHODES GRASS

**‘Epica INTA-Peman’<sup>ϕ</sup> syn Epica<sup>ϕ</sup>**

Application No: 2012/147

Applicant: **Instituto Nacional de Tecnología Agropecuaria (INTA)**

Certificate No: 5576 Expiry Date: 28/03/2038.

Agent: **Selected Seeds Pty Ltd**, Pittsworth, QLD.

*Cordyline australis*

CORDYLINE, CABBAGE TREE

**‘Salsa’<sup>ϕ</sup>**

Application No: 2014/154

Applicant: **Peter Fraser**

Certificate No: 5543 Expiry Date: 7/02/2043.

Agent: **Touch of Class Plants Pty Ltd**, Tynong, VIC.

*Cordyline australis*

CORDYLINE, CABBAGE TREE

**‘Seipin’<sup>ϕ</sup>**

Application No: 2010/242

Applicant: **Neil Alcock**

Certificate No: 5551 Expiry Date: 9/03/2043.

Agent: **Outback Plants Pty Ltd**, Wonga Park, VIC.

*Cordyline brasiliensis*

CORDYLINE

**‘Mysticjoy’<sup>ϕ</sup>**

Application No: 2012/019

Applicant: **Walter John Drane & Doreen Joy Drane**

Certificate No: 5540 Expiry Date: 18/01/2038.

Agent: **Oasis Horticulture Pty Ltd**, NSW.

*Correa pulchella*

CORREA

**'YesPlease'**<sup>Φ</sup>

Application No: 2015/295

Applicant: **Peter James Ollerenshaw**

Certificate No: 5664 Expiry Date: 25/06/2038.

Agent: **Robert Dunstone**, Bywong, NSW.*Crassula capitella*

CAMPFIRE PLANT

**'Bonfire'**<sup>Φ</sup>

Application No: 2015/298

Applicant: **Trustee for R Servaas Family Trust**

Certificate No: 5665 Expiry Date: 25/06/2038.

*Crassula ovata*

JADE PLANT

**'Harbour Lights'**<sup>Φ</sup>

Application No: 2015/263

Applicant: **The Great Australian Succulent Company Pty Ltd**

Certificate No: 5645 Expiry Date: 19/06/2038.

*Cucumis melo*

MELON

**'Caribbean King'**<sup>Φ</sup>

Application No: 2014/020

Applicant: **Rijk Zwaan Zaadteelt en Zaadhandel B.V.**

Certificate No: 5579 Expiry Date: 3/04/2038.

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

COCKSFOOT

**'Drover'**<sup>Φ</sup>

Application No: 2006/338

Applicant: **Sheldon Agri Pty Ltd**

Certificate No: 5642 Expiry Date: 18/06/2038.



*Evolvulus hybrid*

EVOLVULUS

**‘USEVO1201’**<sup>ϕ</sup>

Application No: 2015/204

Applicant: **Plant 21 LLC**

Certificate No: 5552 Expiry Date: 9/03/2038.

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

*Festuca arundinacea*

TALL FESCUE

**‘Temora’**<sup>ϕ</sup>

Application No: 2012/088

Applicant: **Grasslands Innovation Ltd.**

Certificate No: 5561 Expiry Date: 20/03/2038.

Agent: **Griffith Hack**, Palmerston North, NZ.

*Fragaria x ananassa*

STRAWBERRY

**‘FL 05-107’**<sup>ϕ</sup>

Application No: 2015/014

Applicant: **Florida Foundation Seed Producers, Inc.**

Certificate No: 5612 Expiry Date: 3/05/2038.

Agent: **Adrian M Trioli Patent and Trade Mark Attorney**, East Melbourne, VIC.

*Fragaria x ananassa*

STRAWBERRY

**‘Safari’**<sup>ϕ</sup>

Application No: 2014/030

Applicant: **Plantas de Navarra, S.A. (PLANASA)**

Certificate No: 5622 Expiry Date: 11/05/2038.

Agent: **Red Jewel Fruit Management Pty Ltd**, Ballandean, QLD.

*Fragaria Xananassa*

STRAWBERRY

**‘BG-3.324’<sup>ϕ</sup> syn CONFIDENCE<sup>ϕ</sup>**

Application No: 2014/341

Applicant: **BERRY GENETICS, Inc.**

Certificate No: 5625 Expiry Date: 11/05/2038.

Agent: **Watermark Patent & Trademark Attorney**, Hawthorn, VIC.

*Fragaria xananassa*

STRAWBERRY

**‘Florida127’<sup>ϕ</sup>**

Application No: 2015/015

Applicant: **Florida Foundation Seed Producers, Inc.**

Certificate No: 5613 Expiry Date: 3/05/2038.

Agent: **Adrian M Trioli Patent and Trade Mark Attorney**, East Melbourne, VIC.

*Fragaria Xananassa*

STRAWBERRY

**‘PE-6.2036’<sup>ϕ</sup> syn ARABELLA<sup>ϕ</sup>**

Application No: 2014/342

Applicant: **Plant Sciences, Inc.**

Certificate No: 5626 Expiry Date: 11/05/2038.

Agent: **Watermark Patent & Trade Marks Attorneys**, Hawthorn, VIC.

*Fragaria Xananassa*

STRAWBERRY

**‘PS-3.108’<sup>ϕ</sup>**

Application No: 2014/339

Applicant: **Plant Sciences, Inc.**

Certificate No: 5623 Expiry Date: 11/05/2038.

Agent: **Watermark Patent & Trade Marks Attorneys**, Hawthorn, VIC.

*Fragaria xananassa*

STRAWBERRY

**‘Triumph’**<sup>ϕ</sup>

Application No: 2014/340

Applicant: **Plant Sciences, Inc.**

Certificate No: 5624 Expiry Date: 11/05/2038.

Agent: **Watermark Patent & Trade Marks Attorneys**, Hawthorn, VIC.

*Grevillea hybrid*

GREVILLEA

**‘RR01’**<sup>ϕ</sup>

Application No: 2015/075

Applicant: **Tarawood Nursery**

Certificate No: 5586 Expiry Date: 5/04/2038.

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

*Hardenbergia violacea*

FALSE SARSPARILLA, PURPLE CORAL PEA, WARABURRA

**‘Rambosea’**<sup>ϕ</sup>

Application No: 2015/010

Applicant: **Ramm Botanicals Holdings Pty Ltd**

Certificate No: 5662 Expiry Date: 25/06/2038.

*Hardenbergia violaceae*

FALSE SARSPARILLA, PURPLE CORAL PEA, WARABURRA

**‘HB2’**<sup>ϕ</sup>

Application No: 2014/219

Applicant: **Ozbreed Pty Limited**

Certificate No: 5640 Expiry Date: 14/06/2038.

*Helleborus orientalis*

WINTER ROSE

**‘Cinderella’**<sup>ϕ</sup>

Application No: 2012/304

Applicant: **J.T. Verboom**

Certificate No: 5617 Expiry Date: 4/05/2038.

Agent: **Crop and Nursery Services**, Macmasters Beach, NSW.

*Hordeum vulgare*

BARLEY

**‘LG Alestar’**<sup>ϕ</sup>

Application No: 2015/081

Applicant: **Limagrain Europe s.a.**

Certificate No: 5567 Expiry Date: 21/03/2038.

Agent: **Elders Limited**, Melbourne, VIC.

*Hordeum vulgare*

BARLEY

**‘LG Maltstar’**<sup>ϕ</sup>

Application No: 2015/082

Applicant: **Limagrain Europe s.a.**

Certificate No: 5568 Expiry Date: 21/03/2038.

Agent: **Elders Limited**, Melbourne, VIC.

*Hordeum vulgare*

BARLEY

**‘ShineStar’**<sup>ϕ</sup>

Application No: 2015/139

Applicant: **Sapporo Breweries Ltd, The University of Adelaide**

Certificate No: 5565 Expiry Date: 20/03/2038.

Agent: **The University of Adelaide Enterprise**, The University of Adelaide, SA.

*Lablab purpureus*

LABLAB BEAN

**‘LLP-017’**<sup>ϕ</sup>

Application No: 2016/107

Applicant: **GeneGro Pty Ltd**

Certificate No: 5610 Expiry Date: 26/05/2038.

*Lablab purpureus*

LABLAB BEAN

**'LLW-014'**<sup>Φ</sup>

Application No: 2015/091

Applicant: **Heritage Seeds Pty Ltd**

Certificate No: 5560 Expiry Date: 20/03/2038.

*Lablab purpureus*

LABLAB BEAN

**'LLW-015'**<sup>Φ</sup>

Application No: 2015/092

Applicant: **Heritage Seeds Pty Ltd**

Certificate No: 5569 Expiry Date: 20/03/2038.

*Lablab purpureus*

LABLAB BEAN

**'SSLL-042'**<sup>Φ</sup>

Application No: 2015/084

Applicant: **Selected Seeds Pty Ltd**

Certificate No: 5559 Expiry Date: 20/03/2038.

*Lactuca sativa*

LETTUCE

**'Bataflash'**<sup>Φ</sup>

Application No: 2013/174

Applicant: **Nunhems B.V.**

Certificate No: 5558 Expiry Date: 19/03/2038.

Agent: **Shelston IP**, Sydney, NSW.

*Lactuca sativa*

LETTUCE

**'Crispol'**<sup>Φ</sup>

Application No: 2014/233

Applicant: **Nunhems B.V.**

Certificate No: 5605 Expiry Date: 20/04/2038.

Agent: **Shelston IP**, Sydney, NSW.

*Lampranthus hybrid*

**‘Blueberry Rumble’<sup>ϕ</sup>**

Application No: 2015/042

Applicant: **The Great Australian Succulent Company Pty Ltd**

Certificate No: 5648 Expiry Date: 21/06/2038.

*Lolium boucheanum*

HYBRID RYEGRASS

**‘PSPT’<sup>ϕ</sup>**

Application No: 2012/091

Applicant: **Grasslands Innovation Ltd.**

Certificate No: 5566 Expiry Date: 21/03/2038.

Agent: **Griffith Hack**, Palmerston North, NZ.

*Lolium multiflorum*

ITALIAN RYEGRASS

**‘ASST’<sup>ϕ</sup>**

Application No: 2012/092

Applicant: **Grasslands Innovation Ltd.**

Certificate No: 5547 Expiry Date: 26/02/2038.

Agent: **Griffith Hack**, Palmerston North, NZ.

*Lolium multiflorum*

ITALIAN RYEGRASS

**‘Knight’<sup>ϕ</sup>**

Application No: 2012/090

Applicant: **Grasslands Innovation Ltd.**

Certificate No: 5546 Expiry Date: 26/02/2038.

Agent: **Griffith Hack**, Palmerston North, NZ.

*Lolium multiflorum*

ITALIAN RYEGRASS

**‘Thumpa’<sup>ϕ</sup>**

Application No: 2013/109

Applicant: **Grasslands Innovation Ltd.**

Certificate No: 5553 Expiry Date: 19/03/2038.

Agent: **Griffith Hack**, Palmerston North, NZ.

*Lolium perenne*

PERENNIAL RYEGRASS

**‘Abergain’**<sup>ϕ</sup>

Application No: 2016/291

Applicant: **Aberystwyth University (IBERS)**

Certificate No: 5628 Expiry Date: 18/05/2038.

Agent: **Eurofins Agrosience Services**, Shepparton, VIC.

*Lolium perenne*

PERENNIAL RYEGRASS

**‘AberMagic’**<sup>ϕ</sup>

Application No: 2008/283

Applicant: **Aberstwyth University (IBERS)**

Certificate No: 5634 Expiry Date: 12/06/2038.

Agent: **Eurofins Agrosience Services**, Shepparton, VIC.

*Lolium perenne*

PERENNIAL RYEGRASS

**‘Excess’**<sup>ϕ</sup>

Application No: 2013/110

Applicant: **Grasslands Innovation Ltd.**

Certificate No: 5555 Expiry Date: 19/03/2038.

Agent: **Griffith Hack**, Palmerston North, NZ.

*Lolium perenne*

PERENNIAL RYEGRASS

**‘Request’**<sup>ϕ</sup>

Application No: 2012/089

Applicant: **Grasslands Innovation Ltd.**

Certificate No: 5545 Expiry Date: 26/02/2038.

Agent: **Griffith Hack**, Palmerston North, NZ.

*Lupinus albus*

WHITE LUPIN

**'Murringo'**<sup>ϕ</sup>

Application No: 2015/243

Applicant: **Department of Primary Industries for and on behalf of the State of NSW, Grains Research and Development Corporation**

Certificate No: 5575 Expiry Date: 27/03/2038.

*Lupinus angustifolius*

NARROW-LEAFED LUPIN

**'PBA Bateman'**<sup>ϕ</sup> syn **WALAN2533**<sup>ϕ</sup>

Application No: 2016/164

Applicant: **Western Australian Agriculture Authority, Grains Research and Development Corporation**

Certificate No: 5604 Expiry Date: 17/04/2038.

Agent: **Western Australian Agriculture Authority**, South Perth, WA.

*Lupinus angustifolius*

NARROW-LEAFED LUPIN

**'PBA Leeman'**<sup>ϕ</sup> syn **WALAN2428**<sup>ϕ</sup>

Application No: 2016/163

Applicant: **Western Australian Agriculture Authority, Grains Research and Development Corporation**

Certificate No: 5603 Expiry Date: 17/04/2038.

Agent: **Western Australian Agriculture Authority**, South Perth, WA.

*Mandevilla amabilis x boliviensis*

MANDEVILLA

**'Lanarizona'**<sup>ϕ</sup> syn **Agathe White**<sup>ϕ</sup>

Application No: 2014/214

Applicant: **D.H.M Innovation**

Certificate No: 5590 Expiry Date: 6/04/2038.

Agent: **Propagation Australia Pty Ltd**, Browns Plains BC, QLD.



*Mandevilla boliviensis x sanderi*

MANDEVILLA

**‘Lanmichigan’<sup>ϕ</sup>**

Application No: 2014/208

Applicant: **D.H.M Innovation**

Certificate No: 5592 Expiry Date: 6/04/2038.

Agent: **Propagation Australia Pty Ltd**, Browns Plains BC, QLD.

*Mandevilla hybrid*

MANDEVILLA

**‘Manevered’<sup>ϕ</sup>**

Application No: 2016/192

Applicant: **NuFlora International Pty Ltd**

Certificate No: 5611 Expiry Date: 30/04/2038.

Agent: **Ramm Botanicals Pty Ltd**, Kangy Angy, NSW.

*Mandevilla hybrid*

MANDEVILLA

**‘Sunpararopi’<sup>ϕ</sup>**

Application No: 2013/083

Applicant: **Suntory Flowers Limited**

Certificate No: 5577 Expiry Date: 29/03/2038.

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

*Mandevilla sanderi*

MANDEVILLA

**‘Lancalifornia’<sup>ϕ</sup> syn Opale Citrine<sup>ϕ</sup>**

Application No: 2014/212

Applicant: **D.H.M Innovation**

Certificate No: 5597 Expiry Date: 10/04/2038.

Agent: **Propagation Australia Pty Ltd**, Browns Plains BC, QLD.

*Mandevilla sanderi*

MANDEVILLA

**‘Lanidaho’<sup>ϕ</sup>**

Application No: 2014/218

Applicant: **D.H.M Innovation**

Certificate No: 5598 Expiry Date: 10/04/2038.

Agent: **Propagation Australia Pty Ltd**, Browns Plains BC, QLD.

*Mandevilla sanderi*

MANDEVILLA

**‘Laniowa’<sup>ϕ</sup>**

Application No: 2014/209

Applicant: **D.H.M Innovation**

Certificate No: 5584 Expiry Date: 5/04/2038.

Agent: **Propagation Australia Pty Ltd**, Browns Plains BC, QLD.

*Mandevilla sanderi*

MANDEVILLA

**‘Lanminnesota’<sup>ϕ</sup> syn Rubis Red<sup>ϕ</sup>**

Application No: 2014/207

Applicant: **D.H.M Innovation**

Certificate No: 5583 Expiry Date: 5/04/2038.

Agent: **Propagation Australia Pty Ltd**, Browns Plains BC, QLD.

*Mandevilla sanderi*

MANDEVILLA

**‘Lanmissouri’<sup>ϕ</sup> syn Opale Fuchsia Flamme<sup>ϕ</sup>**

Application No: 2014/215

Applicant: **D.H.M Innovation**

Certificate No: 5593 Expiry Date: 9/04/2038.

Agent: **Propagation Australia Pty Ltd**, Browns Plains BC, QLD.

*Mandevilla sanderi*

MANDEVILLA

**'Lanmontana'<sup>ϕ</sup> syn Rubis Fuchsia<sup>ϕ</sup>**

Application No: 2014/210

Applicant: **D.H.M Innovation**

Certificate No: 5591 Expiry Date: 6/04/2038.

Agent: **Propagation Australia Pty Ltd**, Browns Plains BC, QLD.

*Mandevilla sanderi*

MANDEVILLA

**'Lannevada'<sup>ϕ</sup> syn Topaze Vermillon<sup>ϕ</sup>**

Application No: 2014/211

Applicant: **D.H.M Innovation**

Certificate No: 5596 Expiry Date: 10/04/2038.

Agent: **Propagation Australia Pty Ltd**, Browns Plains BC, QLD.

*Mandevilla sanderi*

MANDEVILLA

**'Lanoregon'<sup>ϕ</sup>**

Application No: 2014/217

Applicant: **D.H.M Innovation**

Certificate No: 5594 Expiry Date: 10/04/2038.

Agent: **Propagation Australia Pty Ltd**, Browns Plains BC, QLD.

*Mandevilla sanderi*

MANDEVILLA

**'Lanutah'<sup>ϕ</sup> syn Opale Grenat<sup>ϕ</sup>**

Application No: 2014/216

Applicant: **D.H.M Innovation**

Certificate No: 5585 Expiry Date: 5/04/2038.

Agent: **Propagation Australia Pty Ltd**, Browns Plains BC, QLD.

*Neotyphodium lolii*

FUNGAL ENDOPHYTE

**‘AR95’**<sup>ϕ</sup>

Application No: 2011/190

Applicant: **Grasslanz Technology Limited**

Certificate No: 5578 Expiry Date: 3/04/2038.

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

*Osteospermum hybrid*

CAPE DAISY

**‘SAKOST8194’**<sup>ϕ</sup> syn **Yellow Glow**<sup>ϕ</sup>

Application No: 2014/201

Applicant: **Sakata Ornamentals Europe A/S**

Certificate No: 5607 Expiry Date: 23/04/2038.

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

*Petunia sp.*

PETUNIA

**‘Sundapin’**<sup>ϕ</sup>

Application No: 2015/137

Applicant: **Suntory Flowers Limited**

Certificate No: 5671 Expiry Date: 28/06/2038.

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

*Petunia sp.*

PETUNIA

**‘Sundarose’**<sup>ϕ</sup>

Application No: 2015/136

Applicant: **Suntory Flowers Limited**

Certificate No: 5670 Expiry Date: 28/06/2038.

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

*Petunia sp.*

PETUNIA

**‘Sundasiro’**<sup>Φ</sup> Φ

Application No: 2015/138

Applicant: **Suntory Flowers Limited**

Certificate No: 5672 Expiry Date: 28/06/2038.

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

*Petunia x hybrida*

PETUNIA

**‘Sunsurf Deniusa’**<sup>Φ</sup>

Application No: 2015/135

Applicant: **Suntory Flowers Limited**

Certificate No: 5669 Expiry Date: 28/06/2038.

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

*Phalaris aquatica*

PHALARIS

**‘Grazier’**<sup>Φ</sup>

Application No: 2006/334

Applicant: **Sheldon Agri Pty Ltd**

Certificate No: 5641 Expiry Date: 18/06/2038.

*Punica granatum*

POMEGRANATE

**‘Mini Magic’**<sup>Φ</sup>

Application No: 2016/226

Applicant: **DPW Contracting Pty Ltd**

Certificate No: 5657 Expiry Date: 22/06/2038.

Agent: **Touch of Class Plants Pty Ltd**, Tynong, VIC.

*Rhagodia spinescens*

SPINY SALT BUSH

**‘SAB01’**<sup>ϕ</sup>

Application No: 2014/227

Applicant: **Ozbreed Pty Limited**

Certificate No: 5636 Expiry Date: 14/06/2038.

*Raphiolepis indica*

INDIAN HAWTHORN

**‘Rapopink’**<sup>ϕ</sup>

Application No: 2015/203

Applicant: **The Paradise Seed Company Pty. Limited**

Certificate No: 5564 Expiry Date: 20/03/2038.

*Rhododendron hybrid*

AZALEA

**‘Roblet’**<sup>ϕ</sup>

Application No: 2015/339

Applicant: **Robert Edward Lee**

Certificate No: 5635 Expiry Date: 12/06/2038.

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

*Rosa hybrid*

ROSE

**‘Ausblanket’**<sup>ϕ</sup>

Application No: 2014/295

Applicant: **David Austin Roses Limited**

Certificate No: 5658 Expiry Date: 25/06/2038.

Agent: **Siebler Publishing Services**, Hartwell, VIC.

*Rosa hybrid*

ROSE

**‘Auscousin’**<sup>ϕ</sup>

Application No: 2014/306

Applicant: **David Austin Roses Limited**

Certificate No: 5660 Expiry Date: 25/06/2038.

Agent: **Siebler Publishing Services**, Hartwell, VIC.

*Rosa hybrid*

ROSE

**‘Ausnoble’**<sup>ϕ</sup>

Application No: 2014/307

Applicant: **David Austin Roses Limited**

Certificate No: 5661 Expiry Date: 25/06/2038.

Agent: **Siebler Publishing Services**, Hartwell, VIC.

*Rosa hybrid*

ROSE

**‘Bow01’**<sup>ϕ</sup>

Application No: 2015/013

Applicant: **Ian Boden**

Certificate No: 5663 Expiry Date: 25/06/2038.

Agent: **Monbulk Rose Farm Pty Ltd**, Monbulk, VIC.

*Rosa hybrid*

ROSE

**‘IntTess01’**<sup>ϕ</sup>

Application No: 2015/233

Applicant: **Interplant Roses B.V.**

Certificate No: 5652 Expiry Date: 22/06/2038.

Agent: **Anthony Tesselaar Plants Pty Ltd**, Silvan, VIC.

*Rosa hybrid*

ROSE

**‘IntTess04’**<sup>ϕ</sup>

Application No: 2015/232

Applicant: **Interplant Roses B.V.**

Certificate No: 5656 Expiry Date: 22/06/2038.

Agent: **Anthony Tesselaar Plants Pty Ltd**, Silvan, VIC.

*Rosa hybrid*

ROSE

**‘KORgeleflo’**<sup>ϕ</sup>

Application No: 2011/153

Applicant: **W. Kordes' Sohne Rosenschulen GmbH & Co KG**

Certificate No: 5649 Expiry Date: 22/06/2038.

Agent: **Treloar Roses Pty Ltd**, PORTLAND, VIC.

*Rosa hybrid*

ROSE

**‘KORlutmag’**<sup>ϕ</sup>

Application No: 2011/157

Applicant: **W. Kordes' Sohne Rosenschulen GmbH & Co KG**

Certificate No: 5651 Expiry Date: 22/06/2038.

Agent: **Treloar Roses Pty Ltd**, PORTLAND, VIC.

*Rosa hybrid*

ROSE

**‘KORpurlig’**<sup>ϕ</sup>

Application No: 2011/158

Applicant: **W. Kordes' Sohne Rosenschulen GmbH & Co KG**

Certificate No: 5653 Expiry Date: 22/06/2038.

Agent: **Treloar Roses Pty Ltd**, PORTLAND, VIC.

*Rosa hybrid*

ROSE

**‘KORTutu’**<sup>ϕ</sup>

Application No: 2011/156

Applicant: **W. Kordes' Sohne Rosenschulen GmbH & Co KG**

Certificate No: 5659 Expiry Date: 25/06/2038.

Agent: **Treloar Roses Pty Ltd**, PORTLAND, VIC.



*Rosa hybrid*

ROSE

**‘KORvodacom’**<sup>ϕ</sup>

Application No: 2011/155

Applicant: **W. Kordes' Sohne Rosenschulen GmbH & Co KG**

Certificate No: 5650 Expiry Date: 22/06/2038.

Agent: **Treloar Roses Pty Ltd**, PORTLAND, VIC.

*Rubus occidentalis*

BLACK RASPBERRY

**‘Hortberry1’**<sup>ϕ</sup>

Application No: 2010/277

Applicant: **The New Zealand Institute for Plant and Food Research Limited**

Certificate No: 5627 Expiry Date: 18/05/2038.

Agent: **AJ Park**, Sydney, NSW.

## Assignment of Rights

App. No.	Genus	Species	Variety	Common Name	Changed From	Changed To
2008/058	Cannabis	sativa	Xulan	Industrial Hemp	Patrick Steven Calabria	Frog Cann Pty Ltd
2013/230	Persea	americana	Bounty	Avocado	P D P Van Tonder	Fruit Farm Group South Africa Proprietary Limited
2009/139	Chloris	gayana	Mariner	Rhodes Grass	Blue Ribbon Seed and Pulse Exporters Pty Ltd, Australian Premium Seeds Holdings Pty Ltd	Heritage Seeds Pty Ltd
2009/140	Chloris	gayana	Toro	Rhodes Grass	Blue Ribbon Seed and Pulse Exporters Pty Ltd, Australian Premium Seeds Holdings Pty Ltd	Heritage Seeds Pty Ltd
2009/141	Chloris	gayana	Sabre	Rhodes Grass	Blue Ribbon Seed and Pulse Exporters Pty Ltd, Australian Premium Seeds Holdings Pty Ltd	Heritage Seeds Pty Ltd
2010/070	Chloris	gayana	KP8	Rhodes Grass	Blue Ribbon Seed and Pulse Exporters Pty Ltd, Australian Premium Seeds Holdings Pty Ltd	Heritage Seeds Pty Ltd
2010/071	Chloris	gayana	KG2	Rhodes Grass	Blue Ribbon Seed and Pulse Exporters Pty Ltd, Australian Premium Seeds Holdings Pty Ltd	Heritage Seeds Pty Ltd
2013/280	Solanum	tuberosum	Perline	Potato	Station de Recherche du Comite Nord	SIPRE
2012/175	Solanum	tuberosum	Esmeralda	Potato	Station de Recherche du Comite Nord	SIPRE
2018/016	Solanum	tuberosum	Amigo- 590.02.7	Potato	Station de Recherche du Comite Nord	SIPRE

2015/151	Solanum	tuberosum	Aurea	Potato	Station de Recherche du Comite Nord	SIPRE
2004/035	Cynodon	dactylon	Oz-E- Green	Couchgrass	Robert William Morrow	TurfBreed Pty Ltd
2015/091	Lablab	purpureus	LLW-014	Lablab Bean	Blue Ribbon Seed & Pulse Exporters Pty Ltd, Australian Premium Seeds Holdings Pty Ltd	Heritage Seeds Pty Ltd
2015/092	Lablab	purpureus	LLW-015	Lablab Bean	Blue Ribbon Seed & Pulse Exporters Pty Ltd, Australian Premium Seeds Holdings Pty Ltd	Heritage Seeds Pty Ltd
2016/108	Lablab	purpureus	LLP-016	Lablab Bean	Blue Ribbon Seed & Pulse Exporters Pty Ltd, Australian Premium Seeds Holdings Pty Ltd	Heritage Seeds Pty Ltd
2016/260	Pennisetum	clandestinum	MU2	Kikuyu Grass	Muscat Turf Pty Ltd	Lawn Solutions Australia

## Applications Refused

<b>Application No.</b>	<b><i>Genus</i></b>	<b><i>Species</i></b>	<b>Variety</b>	<b>Synonym</b>	<b>Common Name</b>
2003/207	Cordyline	fruticosa	Moonlight		Cordyline

**Change/Nomination of Agent**

<b>App. No.</b>	<b>Genus</b>	<b>Species</b>	<b>Variety</b>	<b>Changed From</b>	<b>Changed To</b>
2008/058	Cannabis	sativa	Xulan		Peter Maxwell and Associates
2013/279	Prunus	dulcis	Marinada	Hodgkinson McInnes Patents	IP Solved (ANZ) Pty Ltd
2013/278	Prunus	dulcis	Vairo	Hodgkinson McInnes Patents	IP Solved (ANZ) Pty Ltd
2013/277	Prunus	dulcis	Tarraco	Hodgkinson McInnes Patents	IP Solved (ANZ) Pty Ltd
2011/043	Agapanthus	inapertus	Goldstrike	Plants Management Australia Pty. Ltd.	Touch of Class Plants Pty Ltd
2005/084	Cicer	arietinum	Almaz	The University of Western Australia	Western Australia Agriculture Authority
2006/235	Prunus	persica var. nucipersica	White Desire 3-5	United Exports	Oz Peach Pty Ltd
2006/236	Prunus	persica	White Delite 3-5	United Exports	Oz Peach Pty Ltd
2006/237	Prunus	persica var. nucipersica	OzDesire 2-5	United Exports	Oz Peach Pty Ltd
2006/238	Prunus	persica	OzDelite 1-1	United Exports	Oz Peach Pty Ltd
2010/099	Prunus	persica	OzDelite HL-1	United Exports	Oz Peach Pty Ltd
2012/113	Vaccinium	corymbosum x V.angustifolium x V.virgatum	EB 8-42	United Exports	Early Blue Pty Ltd
2012/114	Vaccinium	corymbosum x V.angustifolium x V.virgatum	EB 8-17	United Exports	Early Blue Pty Ltd
2012/115	Vaccinium	corymbosum x V.angustifolium x V.virgatum	EB 8-30	United Exports	Early Blue Pty Ltd
2012/116	Vaccinium	corymbosum x V.angustifolium x V.virgatum	EB 8-1	United Exports	Early Blue Pty Ltd
2012/257	Vaccinium	hybrid	EB 8-21	United Exports	Early Blue Pty Ltd
2012/258	Vaccinium	hybrid	EB 8-38	United Exports	Early Blue Pty Ltd
2012/260	Vaccinium	hybrid	EB 8-46	United Exports	Early Blue Pty Ltd
2014/242	Vaccinium	hybrid	EB 8-50	United Exports	Early Blue Pty Ltd
2014/243	Vaccinium	hybrid	EB 9-2	United Exports	Early Blue Pty Ltd
2014/244	Vaccinium	hybrid	EB 9-4	United Exports	Early Blue Pty Ltd
2014/245	Vaccinium	hybrid	EB 9-12	United Exports	Early Blue Pty Ltd
2014/246	Vaccinium	hybrid	EB 10-1	United Exports	Early Blue Pty Ltd

2014/247	Vaccinium	hybrid	EB 12-19	United Exports	Early Blue Pty Ltd
2012/175	Solanum	tuberosum	Esmeralda	Mitolo Developments Pty Ltd	Dowling Agritech
2012/179	Fragaria	xananassa	Sweet Ann	The State of Queensland acting through the Department of Agriculture, Forestry and Fisheries	Adrian M Trioli Patent and Trade Mark Attorney

## Change of Applicant's Name

App. No.	Genus	Species	Variety	Common Name	Changed From	Changed To
2016/183	<i>Solanum</i>	<i>tuberosum</i>	Heraclea	Potato	HZPC IPR B.V., B.H. Heringa	IPR B.V., B.H. Heringa
2016/281	<i>Solanum</i>	<i>tuberosum</i>	Celandene	Potato	HZPC IPR B.V.	IPR B.V.
2016/182	<i>Solanum</i>	<i>tuberosum</i>	Panamera	Potato	HZPC IPR B.V., Y.P.van der Werft	IPR B.V., Y.P. van der Werft
2008/080	<i>Solanum</i>	<i>tuberosum</i>	CECILE	Potato	HZPC Holland B.V.	IPR B.V.
2008/088	<i>Solanum</i>	<i>tuberosum</i>	MOZART	Potato	HZPC Holland B.V.	IPR B.V.
1996/197	<i>Solanum</i>	<i>tuberosum</i>	Royal Blue	Potato	HZPC Holland B.V.	IPR B.V.
2015/194	<i>Solanum</i>	<i>tuberosum</i>	Talentine	Potato	HZPC Holland B.V., PJ and FP van der Zee	IPR B.V., PJ and FP van der Zee
2015/191	<i>Solanum</i>	<i>tuberosum</i>	Gioconda	Potato	HZPC Holland B.V., PJ and FP van der Zee	IPR B.V., PJ and FP van der Zee
2015/009	<i>Solanum</i>	<i>tuberosum</i>	Sunita	Potato	HZPC Holland B.V., Mts. W.P. & D. Bierma	IPR B.V., Mts. W.P. & D. Bierma
2010/020	<i>Solanum</i>	<i>tuberosum</i>	Sifra	Potato	HZPC Holland B.V., C.J. Biemond	IPR B.V., C.J. Biemond
2012/024	<i>Solanum</i>	<i>tuberosum</i>	Canberra	Potato	HZPC Holland B.V., B. Rietsma	IPR B.V., B Rietsma
2016/009	<i>Solanum</i>	<i>tuberosum</i>	Orlena	Potato	HZPC Holland B.V.	IPR B.V.
2015/193	<i>Solanum</i>	<i>tuberosum</i>	Flamenco	Potato	HZPC Holland B.V.	IPR B.V.
2014/143	<i>Solanum</i>	<i>tuberosum</i>	Colomba	Potato	HZPC Holland B.V.	IPR B.V.
2014/142	<i>Solanum</i>	<i>tuberosum</i>	Evora	Potato	HZPC Holland B.V.	IPR B.V.
2012/026	<i>Solanum</i>	<i>tuberosum</i>	Ivory Russet	Potato	HZPC Holland B.V.	IPR B.V.

2010/017	Solanum	tuberosum	Taurus	Potato	HZPC Holland B.V.	IPR B.V.
2010/014	Solanum	tuberosum	Marilyn	Potato	HZPC Holland B.V.	IPR B.V.
2001/078	Solanum	tuberosum	Innovator	Potato	HZPC Holland B.V.	IPR B.V.
2010/013	Solanum	tuberosum	Neptune	Potato	HZPC Holland B.V.	IPR B.V.
2003/300	Solanum	tuberosum	Carrera	Potato	HZPC Holland B.V.	IPR B.V.



## Denomination Changed

<b>Application No.</b>	<b><i>Genus</i></b>	<b><i>Species</i></b>	<b>Common Name</b>	<b>Changed From</b>	<b>Changed To</b>
2016/207	Saccharum	hybrid	Sugarcane	QS05-6092	SRA11
2017/321	Vicia	faba	Field Bean	IX486/7-6	PBA Nanu
2017/272	Vicia	faba	Field Bean	AF09169	PBA Marne

## APPLICATIONS WITHDRAWN

The following varieties are no longer under PBR provisional protection

<b>App. No.</b>	<b>Genus</b>	<b>Species</b>	<b>Common Name</b>	<b>Variety</b>
2017/209	Saccharum	hybrid	Sugarcane	QA02-6431
2016/376	Alyogyne	huegelii		NinbellaPurple
2015/194	Solanum	tuberosum	Potato	Talentine
2016/183	Solanum	tuberosum	Potato	Heraclea
2016/282	Solanum	tuberosum	Potato	Dirosso
2011/322	Eucalyptus	pyriformis x macrocarpa	Eucalypt	EpEm1001
2011/321	Eucalyptus	youngiana x macrocarpa	Eucalypt	EyEm1001
2015/307	Lolium	perenne	Perennial Ryegrass	Cobra
2015/306	Lolium	perenne	Perennial Ryegrass	Palladium
2017/295	Iberis	hybrid		Sweetiepie

**Grants Surrendered**

<b>App. No.</b>	<b>Genus</b>	<b>Species</b>	<b>Variety</b>	<b>Synonym</b>	<b>Common Name</b>
2002/005	Mandevilla	xamabilis	Rita Marie Green	Parfait Passion Pink	Mandevilla
2004/070	Aglaonema	hybrid	White Lance		Aglaonema
2004/071	Aglaonema	commutatum x Aglaonema panayensis	Royal Diamond		Aglaonema
2004/072	Aglaonema	hybrid	Ivory		Aglaonema
2011/014	Phaseolus	vulgaris	Frontierau		French Bean
2006/034	Citrullus	lanatus	Side Kick		Watermelon
2002/224	Vicia	faba	Cairo		Field Bean
2001/024	Leucadendron	salicifolium x Leucadendron procernum	Pixy Red		Leucadendron
2003/065	Brassica	napus var. oleifera	Tribune		Canola
2007/058	Brassica	napus	Argyle		Canola
1998/182	Festuca	arundinacea	Fraydo		Tall Fescue
2008/228	Rosa	hybrid	Schathena	Marathon!	Rose
2001/128	Rosa	hybrid	Schosonne	Poison	Rose
2008/326	Triticum	aestivum	Craw 128	Preston	Wheat
2008/325	Triticum	aestivum	Gascoigne		Wheat
2010/040	Anigozanthos	hybrid	Rambozazz	Bush Pizzazz	Kangaroo Paw
2010/014	Solanum	tuberosum	Marilyn		Potato
2008/080	Solanum	tuberosum	Cecile	Salad Rose	Potato
1998/102	Aglaomena	hybrid	Lisa Joy		Aglaomena
1998/104	Aglaomena	hybrid	Brilliant Beauty		Aglaomena
1999/038	Aglaomena	hybrid	Rhapsody in Green		Aglaomena
2010/124	Fragaria	x ananassa	SweetEve		Strawberry
2010/125	Fragaria	x ananassa	Eves Delight		Strawberry

## Grants Expired

The following varieties are no longer under PBR protection:

<b>App. No.</b>	<b>Genus</b>	<b>Species</b>	<b>Common Name</b>	<b>Variety</b>
1996/209	Triticum	aestivum	Wheat	KENNEDY
1996/081	Rosa	hybrid	Rose	KORPLASINA
1996/078	Rosa	hybrid	Rose	KORAZERKA
1996/003	Lolium	perenne	Perennial Ryegrass	GRASSLANDS SAMSON

## Grants Revoked

The following varieties are no longer under PBR protection

<b>App No.</b>	<b><i>Genus</i></b>	<b><i>Species</i></b>	<b>Variety</b>	<b>Synonym</b>	<b>Common Name</b>
2005/070	Hedysarum	coronarium	Wilpena		Sulla
2005/071	Hedysarum	coronarium	Moonbi		Sulla
1995/132	Syzgium	australe	Bush Christmas		Lily Pily
2008/365	Solanum	tuberosum	EUROPRIMA		Potato

## Corrigenda

Rose

*Rosa* hybrid

**‘IntTess01’**

Application Number: 2015/233

The claim of distinctness on “Petal: size of basal spot on inner side” is removed and “State of Expression in Group of Varieties” is added to the “Choice of Comparators” table.

Forage Rape

*Brassica napus* var. *oleifera*

**‘HT-R24’**

Application Number: 2015/005

The claim of distinctness on “Time of: flowering” has been removed as this characteristic has been used as a grouping characteristics.

Leafy Turnip

*Brassica rapa* subsp. *campestris*

**‘HT-LT46’**

Application Number: 2015/226

The claim of distinctness on “Time of: flowering”, “Seed: erucic acid” and “Leaf: reflexion of top” has been removed as they were inadvertently published

Strawberry

*Fragaria* × *ananassa*

**‘DrisStrawFortyNine’**

Application Number 2015/270

The claim of distinctness on Leaf: colour of upper side and Terminal leaflet: colour of upper side have been removed from the published description (PVJ 30.2) because those distinctness were inadvertently published.

**‘DrisStrawFortySeven’**

Application Number 2015/271

The claim of distinctness on Leaf: colour of upper side and Terminal leaflet: colour of upper side have been removed from the published description (PVJ 30.2) because those distinctness were inadvertently published.

## Part 3 Appendices

The appendices to *Plant Varieties Journal* (**Vol. 31 Issue 2**) are listed below:

- [Home](#)
- [Appendix 1 - Fees](#)
- [Appendix 2- Index of Accredited Consultant 'Qualified Persons'](#)
- [Appendix 3 - Index of Accredited Non-Consultant 'Qualified Persons'](#)
- [Appendix 4 - Addresses of UPOV and Member States](#)
- [Appendix 5 - Centralised Testing Centres](#)
- [Appendix 6 - List of Plant Classes for Denomination Purposes](#)
- [Appendix 7 - Register of Plant Varieties](#)

## Appendix -1 –Fees

This page sets out the PBR fees associated with applications, examination, certificates, annual and Qualified Person accreditation fees. Please note upcoming changes to fees. For more information please read our news article on the [Fee Review Update](#).

PBR fees are subject to change. GST does not apply to these statutory fees under Division 81 of the *GST Act 1999*.

### New Application

The Application Fee must accompany the Part 1 application at the time of lodgement. It covers an initial 'examination for acceptance', the issue of a letter of acceptance and provisional protection.

Fee Item/Action	from 1 October 2012 Fee	
	Approved Means	By Another Means
PBR Application	\$345	\$445

### Examination

Applicants have twelve months from the date of acceptance to pay the Lodgement of the Detailed Description Fee (commonly referred to as the “Examination Fee”). 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.

The “Examination Fee” pays for the assessment of the description, the publication of the description and photograph of the new variety in Plant Varieties Journal, the field examination (if any), and any other enquiries necessary to establish eligibility for PBR. examination of the application, including field examination and publication of the description and photograph, will not commence until the Examination Fee has been received.

After the description has been published, successful applicants will be asked to pay the Certificate Fee. This covers the final examination of all details, the production of a certificate and copy of the variety’s description in the PBR Register.

Fee Item/Action	from 1 July 2012 Fee
Examination - Single Application	\$1610
Examination - Application based on overseas test data	\$1610



Examination - multiple application rate applicable only to two or more varieties tested at the same site in Australia and when applications and descriptions are lodged simultaneously by the same applicant and QP and examined simultaneously (fee for each variety)	\$1380
Examination - at an authorised Centralised Testing Centre when 5 or more candidate varieties of the same genus are tested simultaneously (fee for each variety)	\$920
Certificate	\$345

### Annual Fee

An Annual Maintenance Fee (sometimes called the Annual or Renewal Fee) is payable each year on the anniversary of the granting of the right. The Annual Maintenance Fee must be paid to maintain the grant.

Fee Item/Action	from 1 July 2012 Fee	
	Approved Means	By Another Means
Annual Fee	\$345	\$395

### Qualified Person

Fee Item/Action	from 1 July 2012 Fee
Application for Accreditation as a Qualified Person	\$50
Renewal of Qualified Person Accreditation (each year)	\$50

## APPENDIX 2 - 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)
Agapanthus	Paananen, Ian
Almonds	Cottrell, Matthew Edwards, Arthur McClintlock, Rachael Swinburn, Garth
Alstroemeria	Paananen, Ian
Ajuga	Paananen, Ian
Apple	Buchanan, Peter Cramond, Gregory Fleming, Graham Langford, Garry Mackay, Alastair Mitchell, Leslie Oates, John Paananen, Ian  Tancred, Stephen Lockhart, Krys
Anigozanthos	Paananen, Ian
Anthurium	Paananen, Ian

Aroid	Harrison, Peter
Avocado	Chislett, Susan Cottrell, Matthew Edwards, Arthur MacGregor, Alison Paananen, Ian Parr, Wayne Roe, Denis Swinburn, Garth Whiley, Tony
Azalea	Paananen, Ian
Barley	Collins, David Downes, Ross Madsen, Dean Stuart, Peter
Berry Fruit	Fleming, Graham Paananen, Ian Zorin, Margaret
Blackberry	Paananen, Ian
Blueberry	Christie, Michael Paananen, Ian Scalzo, Jessica Zorin, Margaret
Bougainvillea	Iredell, Janet Willa Prince, John
Brachyscome	Paananen, Ian
Brassica	Christie, Michael Cooper, Kath Downes, Ross Easton, Andrew Fennell, John Gororo, Nelson Kadkol, Chandrika Kadkol, Gururaj O'Connell Peter Paananen, Ian Watson, Brigid
Brunia	Dunstone, Bob
Buddleia	Robb, John Paananen, Ian
Buffalo Grass	Paananen, Ian
Calibrachoa	Paananen, Ian

Callistemon	Parsons, Rodney
Capsicum	Zorin, Margaret
Camellia	Paananen, Ian Robb, John
Cannabis	Paananen, Ian Warner, Philip Christie, Michael
Carnation/Dianthus	Paananen, Ian
Cereals	Kenneth, Bullen Christie, Michael Collins, David Cooper, Kath Downes, Ross Fennell, John Harrison, Peter Kemp, Stuart Madsen, Dean Mitchell, Leslie Moore, Stephen Oates, John Paananen, Ian Roake, Jeremy Rose, John Sadeque, Abdus Stuart, Peter Watson, Brigid
Cherry	Cramond, Gregory Fleming, Graham Mackay, Alastair Mitchell, Leslie
Chickpeas	Downes, Ross Collins, David Paananen, Ian
Chinese Elm	Fennell, John
Chrysanthemum	Paananen, Ian
Cichorium	Kemp, Stuart
Citrus	Chislett, Susan Cottrell, Matthew Edwards, Arthur MacGregor, Alison Mitchell, Leslie Paananen, Ian Parr, Wayne Swinburn, Garth Topp, Bruce

Clivia	Paananen, Ian Smith, Kenneth
Clover	Downes, Ross Lake, Andrew Lin, Joy Madsen, Dean Mitchell, Leslie Paananen, Ian Watson, Brigid
Cordyline	Warren, Andrew
Cucumis	Blackwell, Ean
Cucurbits	Christie, Michael Herrington, Mark O'Connell Peter Paananen, Ian
Dianella	Paananen, Ian
Dogwood	Fleming, Graham
Desmanthus	Loch, Don Stuart, Peter
Echinacea	Paananen, Ian
Echinochloa	Stuart, Peter
Eremophila	Parsons, Rodney
Eucalyptus	Paananen, Ian
Euphorbia	Paananen, Ian
Feijoa	Parr, Wayne
Fibre Crops	Gillespie, David
Fig	Cottrell, Matthew Fleming, Graham Paananen, Ian Parr, Wayne
Forage Grasses	Downes, Ross Fennell, John Harrison, Peter Kemp, Stuart Mitchell, Leslie Paananen, Ian Watson, Brigid

Forage Legumes	Downes, Ross Fennell, John Harrison, Peter Howie, Jake Kemp, Stuart Lake, Andrew Loch, Don Lin, Joy Siedel, John
Fruit	Brown, Gordon Chislett, Susan Christie, Michael Cramond, Gregory Cottrell, Matthew Delaporte, Kate Fleming, Graham Gillespie, David Mitchell, Leslie Paananen, Ian Parr, Wayne
Fuchsia	Paananen, Ian
Garlic	Griffin, Dale
Gerbera	Paananen, Ian
Ginger	Whiley, Tony
Grape	Cottrell, Matthew Delaporte, Kate Edwards, Arthur Farquhar, Wayne Fleming, Graham Hashim-Maguire, Jennifer Kadkol, Chandrika MacGregor, Alison McClintock, Rachael Mitchell, Leslie Paananen, Ian Parr, Wayne Smith, Daniel Swinburn, Garth Zorin, Margaret
Grevillea	Dunstone, Bob Herrington, Mark Paananen, Ian Parsons, Rodney
Gypsophila	Paananen, Ian
Hardenbergia	Dunstone, Bob
Hops	Paananen, Ian
Hydrangea	Paananen, Ian

Impatiens	Paananen, Ian
Jojoba	Dunstone, Bob
Kalanchoe	Paananen, Ian
Kiwifruit	Paananen, Ian Lunghusen, Mark Warren, Andrew
Lavender	Paananen, Ian
Legumes	Christie, Michael Collins, David Cruikshank, Alan Downes, Ross Harrison, Peter Kadkol, Gururaj Lake, Andrew Loch, Don Mitchell, Leslie Paananen, Ian Rose, John
Lentils	Collins, David Downes, Ross
Leucaena	Roche, Matthew
Lilium	Paananen, Ian
Linseed	Bluett, Christopher
Liriope	Paananen, Ian
Lettuce	Christie, Michael Blackwell, Ean O'Connell, Peter
Leptospermum	Warren, Andrew
Lomandra	Paananen, Ian
Lucerne	Downes, Ross Lake, Andrew Mitchell, Leslie Stuart, Peter
Lupin	Collins, David
Lychee	Roe, Denis
Macadamia	Paananen, Ian Roe, Denis

Magnolia	Paananen, Ian
Mandevilla	Paananen, Ian
Mango	Mitchell, Leslie Paananen, Ian Parr, Wayne Roe, Denis Whiley, Tony
Metrosideros	Roche, Matthew
Mushrooms, edible	Paananen, Ian
Myrtaceae	Dunstone, Bob Paananen, Ian
Myrtus	Buchanan, Peter
Native grasses	Paananen, Ian Quinn, Patrick
Oat	Collins, David Downes, Ross Madsen, Dean Stuart, Peter
Oilseed crops	Christie, Michael Downes, Ross Madsen, Dean Oates, John Paananen, Ian Siedel, John
Olives	Edwards, Arthur Lunghusen, Mark Paananen, Ian
Onions	Fennell, John Griffin, Dale O'Connell Peter Paananen, Ian



## Ornamentals - Exotic

Angus, Tim  
 Christie, Michael  
 Delaporte, Kate  
 Eggleton, Steve  
 Fleming, Graham  
 Harrison, Dion  
 Harrison, Peter  
 Loch, Don  
 Lunghusen, Mark  
 Mitchell, Hamish  
 Mitchell, Leslie  
 Oates, John  
 Paananen, Ian  
 Prescott, Chris  
 Prince, John  
 Robb, John  
 Singh, Deo  
 Stewart, Angus  
 Watkins, Phillip

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 Ornamentals - Indigenous

Angus, Tim  
 Christie, Michael  
 Delaporte, Kate  
 Downes, Ross  
 Eggleton, Steve  
 Harrison, Dion  
 Harrison, Peter  
 Loch, Don  
 Lunghusen, Mark  
 Mitchell, Hamish  
 Molyneux, W M  
 Oates, John  
 Paananen, Ian  
 Prince, John  
 Singh, Deo  
 Stewart, Angus  
 Watkins, Phillip

---

 Osmanthus

Paananen, Ian  
 Robb, John

---

 Osteospermum

Paananen, Ian

---

Pastures & Turf	Christie, Michael Cook, Bruce Downes, Ross Fennell, John Harrison, Peter Paananen, Ian Kadkol, Gururaj Lin, Joy Loch, Don Madsen, Dean McMaugh, Peter Mitchell, Leslie Oates, John Ovenden, Katrina Paananen, Ian Roche, Matthew Rose, John Sewell, James Zorin, Margaret
Peanut	Cruickshank, Alan
Pear	Cramond, Gregory Fleming, Graham Langford, Garry Mackay, Alastair Paananen, Ian Tancred, Stephen
Pelargonium	Paananen, Ian
Persimmon	Edwards, Arthur Paananen, Ian Parr, Wayne Swinburn, Garth
Petunia	Paananen, Ian
Philodendron	Paananen, Ian
Philotheca	Dunstone, Bob
Phormium	Paananen, Ian Warren, Andrew
Photinia	Paananen, Ian Robb, John
Plantago	Kemp, Stuart
Pistacia	Chislett, Susan Cottrell, Matthew Paananen, Ian
Pisum	Downes, Ross

Pomegranate	Paananen, Ian
Potatoes	Delaporte, Kate Fennell, John Hills, James Lochert, Liteisha McKay, Stewart O'Connell Peter Paananen, Ian Philp, Peter
Proteaceae	Paananen, Ian Robb, John
Prunus	Buchanan, Peter Cottrell, Matthew Cramond, Gregory Fleming, Graham Mackay, Alastair Paananen, Ian Topp, Bruce Lockhart, Krysl
Pulse Crops	Christie, Michael Collins, David Downes, Ross Oates, John Paananen, Ian Sadeque, Abdus
Raspberry	Fleming, Graham Herrington, Mark Paananen, Ian Zorin, Margaret
Rhododendron	Paananen, Ian
Rice	Ovenden, Ben Ovenden, Katrina
Rose	Delaporte, Kate Fleming, Graham Paananen, Ian Prescott, Chris Syrus, A Kim
Sandersonia	Warren, Andrew
Scaevola	Paananen, Ian
Sesame	Harrison, Peter
Soybean	Christie, Michael Harrison, Peter James, Andrew Paananen, Ian

Solanum	Blackwell, Ean
Spathiphyllum	Paananen, Ian
Stone Fruit	Chislett, Susan Cottrell, Matthew Cramond, Gregory Fleming, Graham MacGregor, Alison Mackay, Alistair Paananen, Ian Swinburn, Garth
Strawberry	Herrington, Mark Neal, Jodi Paananen, Ian Kadkol, Gururaj Mitchell, Leslie Oates, John Zorin, Margaret
Sugarcane	Christie, Michael Cox, Mike Paananen, Ian Piperidis, George
Tomato	Christie, Michael Herrington, Mark O'Connell Peter Paananen, Ian
Tree Crops	Paananen, Ian
Triticale	Downes, Ross Collins, David Cooper, Kath Stuart, Peter
Tropical/Sub-Tropical Crops	Harrison, Peter Parr, Wayne Whiley, Tony
Umbrella Tree	Paananen, Ian
Vegetables	Christie, Michael Delaporte, Kate Fennell, John Harrison, Peter Gillespie, David MacGregor, Alison Mitchell, Leslie Morley, Ken Oates, John Paananen, Ian
Verbena	Paananen, Ian

Walnut	Cottrell, Matthew Mitchell, Leslie Paananen, Ian
Waxflower	Seaton, Kevin
Wheat	Christie, Michael Collins, David Downes, Ross Kadkol, Chandrika Kadkol, Gururaj Paananen, Ian Roche, Matthew
Zantedeschia	Paananen, Ian Warren, Andrew

TABLE 2

NAME	TELEPHONE	MOBILE	AREA OF OPERATION
Angus, Tim	56 8387 8	001164211871076	Australia and New Zealand
Blackwell, Ean	02 9777 1159		Australia
Bluett, Christopher	03 5341 2103	0409 336 113	South Eastern Australia
Brown, Gordon	03 6239 6411		Tasmania
Buchanan, Peter		0412 854 211	Eastern Australia
Chislett, Susan	03 5038 8238	0417 344 745	Murray Valley Region, Southern Australia
Christie, Michael	02 9513 2497	0434 455 444	Australia
Collins, David	08 9623 2343	0407 881 082	Western Australia
Cooper, Kath	08 8339 3049	0429 191 848	South Australia
Cottrell, Matthew	03 5024 0400	0438 594 010	Australia
Cox, Michael	07 4132 5200	0417 603 350	Queensland
Cramond, Gregory	08 8390 0299	0417 842 558	Australia
Cruickshank, Alan	07 4660 3619	0427 373 153	Queensland
Delaporte, Kate	08 8313 7405	0427 394 240	South Australia
Downes, Ross	02 4474 0456	0402 472 601	Australia
Dunstone, Robert	02 6282 7927	0407 881 217	NSW and ACT
Edwards, Arthur	03 5022 2864	0409 609 300	South East Australia
Eggleton, Steve	03 9722 1444	0408 035 488	VIC
Farquhar, Wayne	08 8525 2245	0407 976 157	South Australia, VIC, NSW
Fennell, John		0426 180 051	Australia
Fleming, Graham	03 9999 1999	0419 302 136	VIC
Gillespie, David		0427 306 513	Wide Bay Burnett District, QLD
Gororo, Nelson	03 5362 2347	0428 534 770	mediterranean areas of Australia
Harrison, Dion		0419 665 487	South East QLD and Northern NSW
Harrison, Peter	08 8948 1894	0407 034 083	Northern Territory
Hashim-Maguire, Jennifer		0499 499 089	VIC, SA,WA,NSW,QLD
Henry, Robert	07 3346 0552		Queensland
Herrington, Mark	07 5381 1350		QLD

Hills, James	03 6428 2519	0409 227 874	Australia
Iredell, Jan	07 3202 6351		Queensland
James, Andrew	07 3214 2278	0418 192 396	Queensland
Kadkol, Chandrika		0488 617 786	Victoria
Kadkol, Gururaj	02 6763 1232	0419 685 943	NSW
Kemp, Stuart	03 5341 5821	0437 278 873	SE Australia
Lake, Andrew	08 8177 0558	0418 818 798	SE Australia
Langford, Garry	03 6266 4344	0418 312 910	Tasmania
Lin, Joy	64 6351 8214		New Zealand
Loch, Don	07 3824 5440	0407 679 340	Queensland
Lochert, Liteisha		0439 888 248	South Australia
Lockhart, Krys	03 9709 8186	0400 802 413	Australia
Lunghusen, Mark		0407 050 133	Australia
MacGregor, Alison		0419 229 713	Southern Australia - Murray Valley Region
Mackay, Alastair	08 9310 5342	0419 987 221	Western Australia
Madsen, Dean	03 5832 3800	0459 858 845	Southern NSW, Victoria and Tasmania
McClintock, Rachael		0427 000 565	Southern Australia
McKay, Stewart	03 6428 2519	0438 247 978	North West Tasmania
McMaugh, Peter	02 9872 7833	0418 238 455	Australia
Mitchell, Hamish	03 9796 8308		VIC
Mitchell, Leslie	03 5821 2021	0427 438 235	Australia
Molyneux, Bill	03 5965 2011	0419 504 974	VIC
Moore, Stephen	02 6559 4124	0457 080 241	NSW
Morley, Kenneth	08 8541 2802	0429 081 318	South Australia
Neal, Jodi	07 5381 1352		Australia
Oates, John	02 6495 6555	0427 277 951	Australia
O'Connell, Peter	02 9403 0787	0488 233 704	Victoria, NSW and Queensland
Ovenden, Katrina		0431 101 235	Australia
Ovenden, Ben	02 6951 2679	0409 581 791	Australia
Paananen, Ian		0412 826 589	Australia (based in Sydney) and New Zealand
Parr, Wayne	07 4129 4147		QLD and Northern NSW
Parsons, Rodney		0407 357 721	South East Australia
Philp, Peter	08 8260 4960	0419 654 245	Australia
Piperidis, George	07 4954 5100	0408 712 021	QLD and Northern NSW

Prescott, Christopher		0417 340 558	VIC
Prince, John	07 5533 0211	0412 232 877	Queensland
Quinn, Patrick	03 5427 0485		VIC
Robb, John		0419 467 567	NSW
Roche, Matthew		0412 197 218	Queensland
Roe, Denis		0401 546 107	Australia
Rose, John	07 4667 3145	0487 677 712	Queensland
Sadeque, Abdus	02 6799 2233	0438 551 582	Australia
Scalzo, Jessica	02 6649 2921	0422 002 137	New Zealand and Australia
Seaton, Kevin		0427 984 322	South West of Western Australia
Sewell, James	03 5334 7871	0403 546 811	Southern Australia
Singh, Deo	07 3286 3942	0418 880 787	Queensland
Smith, Kenneth		0415 181 449	Australia
Stewart, Angus		0419 632 123	Australia
Stuart, Peter	07 4635 7895	0428 717 212	S.E. Queensland
Swinburn, Garth	03 5023 5814	0427 374 814	VIC
Syrus, Kim	08 8558 6055	0417 814 232	South Australia
Tancred, Stephen	07 4681 1324	0407 762 888	Queensland
Topp, Bruce	07 5381 1373	0427 682 384	Queensland
Warner, Philip	07 5499 9249	0412 162 030	Australia
Warren, Andrew	75 4305 88	6421 506 000	New Zealand
Watkins, Philip	08 9537 1811	0416 191 472	Australia
Watson, Brigid		0437 849 934	VIC
Whiley, Tony	07 4126 5115	0427 411 541	Queensland
Zorin, Margaret	07 3207 4306	0418 984 555	Eastern Australia

Last updated on: 27/08/2018



**Appendix 3 Index of Accredited  
Non-Consultant Qualified  
Persons**

<b>Name</b>
Archbald, Rachel
Baelde, Arie
Baker, Grant
Bartley, Megan
Berryman, Pamela
Boorman, Des
Box, Amanda
Brindley, Tony
Brown, Emma
Brunt, Charlotte
Bunker, Kerry
Bunker, John
Buselich, David
Cameron, Nick
Campbell, David
Carena, Marcelo
Cecil, Andrew
Chesher, Wayne
Clayton-Greene, Kevin
Clingeffer, Peter
Cogan, Noel
Connolly, Karen
Costin, Russell
Coventry, Stewart
Cowling, Wallace
Culvenor, Richard
Davey, Timothy
De Barro, James
Dilag, Calixto
Dorney, Nicholas
Downe, Graeme
Eyles, Gary
Fitzgibbon, John
Flattery-O'Brien, Jacinta
Fleming, Rebecca
Gaudion, Jenny
Gillies, Leanne
Graetz, Darren

Gray, John
Gunther, Tom
Hayes, Richard
Hoppo, Suzanne
Howie, Jake
Humphries, Alan
Hussein, Shafiya
Jewell, Larry
Jiraneck, Vladimir
Jobling, Philip Norman
Jupp, Noel
Kaehne, Ian
Katz, Mark
Kebblewhite, Tony
Lacey, Kevin
Leddin, Anthony
Lee, Jodie
Lee Chang, Kim
Lewis, Hartley
Lewthwaite, Stephen
Lonergan, Paul
Lowe, Russell
March, Timothy
Matic, Rade
Matthews, Michael
Mitchell, Steven
Moody, David
Moss, Ian
Myors, Philip
Newell, Chris
Newman, Allen
Nichols, Phillip
O'Leary, Finbarr
Oram, Ann
Pandey, Babu
Parkes, Heidi
Paull, Jeff
Pearce, Bob
Peck, David
Pegg, Amelia
Pidgeon, Mark
Pike, David
Pike, Elise
Porter, Gavin
Pressler, Craig

Rankin, Grant
Rathey, Allan
Rayner, Kenneth
Real, Daniel
Roake, Jeremy
Russell, Dougal
Sanewski, Garth
Schreuders, Harry
Senior, Michael
Shapter, Timothy
Shoab, Mirza
Smith, Leigh
Smith, Chris
Smith, Malcolm
Snelling, Cath
Song, Leonard
Sounness, Janine
Stephens, Joseph
Stiller, Warwick
Tabah, David
Thomas, Adam
Todd, Peter
Turpin, Susanna
Verlaat, Sandra

Last updated on: 27/08/2018

## **APPENDIX 4**

### **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 5

### 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 \$920. This is a saving of more than 40% over the normal fee of \$1610.

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.

### REQUESTS FOR AUTHORITY 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

trial the relevant UPOV protocols, technical guideline or national descriptor for the genus should be followed. Where necessary the establishment and conduct of the trial can be discussed with the PBR office.

### Industry support

Details of requests for authorisation as a CTC will be published as pending in the Plant Varieties Journal for a period of 3 months. If no adverse comments are received after this period it will be assumed that there are no particular concerns in the industry regarding the authorisation. Evidence of industry support can be supplied in support and may be required if any adverse comments are received.

### Long-term storage of genetic material

Applicants nominate where their material is to be maintained prior to grant. However, depending upon the genus, a CTC may be in a position 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 per state 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.

### Authorised Centralised Test Centres (CTCs)

Following publication of requests 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	Next review date
Bureau of Sugar Experiment Stations	Cairns, Tully, Ingham, Ayr, Mackay, Bundaberg, Brisbane, QLD	<i>Saccharum</i>	Field, glasshouse, tissue culture, pathology	G Piperidis	30/06/1997	1/08/2019
Agriculture Western Australia	Northam, WA	Wheat	Field, laboratory	D Collins	30/06/1997	1/08/2019
Protected Plant Promotions	Macquarie Fields, NSW	New Guinea Impatiens including <i>Impatiens hawkeri</i> and its hybrids	Glasshouse	I Paananen	30/09/1998	1/08/2019
Protected Plant Promotions	Macquarie Fields, NSW	Verbena	Glasshouse	I Paananen	31/12/1998	1/08/2019
Paradise Plants	Kulnura, NSW	<i>Camellia</i> , <i>Lavandula</i> , <i>Osmanthus</i> , <i>Ceratopetalum</i>	Field, glasshouse, shadehouse, irrigation, tissue culture lab	J Robb	31/12/1998	1/08/2019
Prescott Roses	Berwick, VIC	<i>Rosa</i>	Field, controlled environment greenhouses	C Prescott	31/12/1998	1/08/2019
Paradise Plants	Kulnura, NSW	<i>Limonium</i> ,	Field, glasshouse,	J Robb	30/06/2000	1/08/2019

		<i>Raphiolepis</i> <i>Eriostemon</i> <i>Lonicera</i> , <i>Jasminum</i>	shadehouse, irrigation, tissue culture lab			
Turf Australia†	Cleveland, QLD	<i>Cynodon</i> , <i>Zoysia</i> and other selected warm season- season turf and amenity species	Field, glasshouse, irrigation, tissue culture lab	M Roche	30/09/2000	1/08/2019
Bywong Nursery	Bungendore NSW	<i>Leptospermum</i>	Field, shadehouse, greenhouse	P Ollerenshaw	31/03/2001	1/08/2019
Buchanan's Nursery	Hodgsonvale, QLD	<i>Prunus</i>	Outdoor facilities including a collection of 90 varieties of common knowledge.	P Buchanan	31/12/2004	1/08/2019
Ramm Botanicals	Kangy Angy, NSW	<i>Anigozanthos</i>	Tissue culture, environment controlled greenhouse; extensive outdoor and shadehouse areas.	Megan Bartley	10/02/2012	1/08/2019
Solan Pty Ltd	Waikerie SA	<i>Solanum</i> <i>tuberosum</i>	Tissue culture, plastic covered nursery, refrigerated storage; experience with comparator growing trials	J. Fennell	10/01/2013	1/08/2019
GeneGro Pty and V & CM Zorin	Birkdale, QLD	<i>Desmanthus</i>	Irrigated field trial areas; laboratory and related equipment; access to dryers and heated glasshouse.	D Loch, M Zorin	22/07/2014	1/08/2019
Tahune Fields Nursery	Huon Valley Southern Tasmania	Pome Fruit	Comprehensive equipment and facilities for large scale propagation, growing, conditioning, storage, marketing and transport	G Brown	12/03/2015	1/08/2019
Agronico Technology Pty Ltd	Leith, TAS	<i>Solanum</i> <i>tuberosum</i>	Access to tissue culture storage and minituber production facilities (VICSPA accredited), for storing and multiplying varieties in preparation for testing.	Stewart McKay, James Hills	7/4/2016	1/08/2019
G Crumpton & Sons & Co Pty Ltd	Crawford, QLD	<i>Duboisia</i>	Comprehensive growing facilities	D Loch I Haak	13/12/2016	13/12/2019

GeneGro Pty Ltd	Birkdale, QLD	<i>Lablab purpureus</i> <i>Zoysia</i> spp.	Irrigated field trial areas; laboratory and related equipment; access to dryers and heated glasshouse.	D Loch M Zorin	13/12/2016	13/12/2019
Driscolls Australia Pty Ltd	Palmwoods, QLD	<i>Fragaria</i> spp., <i>Vaccinium</i> spp., <i>Rubus</i> spp.	Irrigated field trial areas, laboratory facilities, glasshouse	M Zorin	13/12/2016	13/12/2019
Aussie Winners Pty Ltd	Redland Bay, QLD	<i>Fuchsia</i>	Comprehensive growing facilities	I Paananen	28/02/2017	28/02/2020
GrapeCo Pty Ltd	South Merbein, VIC	<i>Vitis vinifera</i> (Table Grape only)	Drip irrigation. Cool rooms are being installed.	A MacGregor	28/02/2017	28/02/2020
Schreurs Australia Pty Ltd	Leppington, NSW	<i>Rosa</i>	Comprehensive growing facilities	I Paananen	26/4/2017	26/4/2020

The following applications are pending:

Name	Location	Genera applied for	Facilities	Name of QP
Chryso Flowers	Skye, VIC	<i>Chrysanthemum</i>	Controlled environment glasshouse	C. Prescott
Haar's Nursery	Somerville, VIC	<i>Erysimum</i> , <i>Impatiens</i> ** <i>Nemesia</i>	Propagation greenhouses; indoor and outdoor growing areas	M. Lunghusen
Highsun Express**	Ormiston and Toowoomba	<i>Pelargonium</i> , <i>Verbena</i> and <i>Petunia</i>	Climate controlled greenhouses, shade houses, outdoor growing areas, germination chambers, cool rooms, an approved quarantine facility	D Singh M Zorin

Yates Botanical Pty Ltd**	Somersby and Tuggerah, NSW	<i>Rosa</i>	Tissue culture lab, glasshouse, quarantine and nursery facilities	I Paananen
Australian Horticultural Services	Wonga Park, VIC	<i>Lavandula</i>	Indoor growing areas, Outdoor growing areas,	M. Lunghusen

\*\* = Please note that these organisations have been requested to submit a special case based on technical reasons and other grounds to allow an additional CTCs to be accredited for the genera in question. Accordingly, publication of their pending application does not infer that any decision regarding accreditation has been made at this time.

† = Following the 2012 restructuring within the Queensland Government, the CTC for *Cynodon*, *Zoysia* and other selected warm season-season turf and amenity species at Cleveland, Queensland previously conducted by Department of Primary Industries, Redlands Research Station, will now be run at the same location by Turf Australia.

Comments (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:

Chief of PBR  
Plant Breeder's Rights Office  
IP Australia  
PO Box 200  
Woden, ACT 2606

Closing date for comment: 3 months from the date of this publication



## APPENDIX 6

## 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

## LIST OF CLASSES (Continuation)

## Part II

*Classes encompassing more than one genus*

	<u>Botanical names</u>	<u>UPOV codes</u>
Class 201	Secale, Triticale, Triticum	SECAL; TRITL; TRITI
Class 202	Panicum, Setaria	PANIC; SETAR
Class 203*	Agrostis, Dactylis, Festuca, Festulolium, Lolium, Phalaris, Phleum and Poa	AGROS; DCTLS; FESTU; FESTL; LOLIU; PHALR; PHLEU; POAAA
Class 204*	Lotus, Medicago, Ornithopus, Onobrychis, Trifolium	LOTUS; MEDIC; ORNTP; ONOBR; TRFOL
Class 205	Cichorium, Lactuca	CICHO; LACTU
Class 206	Petunia and Calibrachoa	PETUN; CALIB
Class 207	Chrysanthemum and Ajanía	CHRY S; AJANI
Class 208	(Statice) Goniolimon, Limonium, Psylliostachys	GONIO; LIMON; PSYLL_
Class 209	(Waxflower) Chamelaucium, Verticordia	CHMLC; VERTI; VECHM
Class 210	Jamesbrittania and Sutera	JAMES; SUTER
Class 211	Edible Mushrooms Agaricus bisporus Agaricus blazei Agrocybe cylindracea Auricularia auricula Auricularia polytricha (Mont.) Sacc. Dictyophora indusiata (Ventenat:Persoon) Fischer Flammulina velutipes Ganoderma lucidum (Leys:Fries) Karsten Grifola frondosa Hericiu m erinaceum Hypsizig us marmoreus Hypsizig us ulmarius Lentinula edodes Lepista nuda (Bulliard:Fries) Cooke Lepista sordida (Schumacher:Fries) Singer Lyophyllum decastes Lyophyllum shimeji (Kawamura) Hongo Meripilus giganteus (Persoon:Fries) Kärten Mycleptodonoides aitchisonii (Berkeley) Maas Geesteranus Naematoloma sublateritium Panellus serotinus Pholiota adiposa Pholiota nameko Pleurotus cornucopiae var.citrinooleatus Pleurotus cystidiosus Pleurotus cystidiosus subsp. Abalonus Pleurotus eryngii Pleurotus ostreatus Pleurotus pulmonarius Polyporus tuberaster (Jacquin ex Persoon) Fries Sparassis crispa (Wulfen) Fries Tricholoma giganteum Masee	AGARI_BIS AGARI_BLA AGROC_CYL AURIC_AUR AURIC_POL DICTP_IND FLAMM_VEL GANOD_LUC GRIFO_FRO HERIC_ERI HYPSI_MAR HYPSI_ULM LENTI_ELO LEPIS_NUD LEPIS_SOR LYOPH_DEC LYOPH_SHI MERIP_GIG MYCOL_AIT NAEMA_SUB PANEL_SER PHLIO_ADI PHLIO_NAM PLEUR_COR PLEUR_CYS PLEUR_CYS_ABA PLEUR_ERY PLEUR_OST PLEUR_PUL POLYO_TUB SPARA_CRI MACRO_GIG

\* Classes 203 and 204 are not solely established on the basis of closely related species.

**APPENDIX 7****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://pericles.ipaustralia.gov.au/pbr\\_db/](http://pericles.ipaustralia.gov.au/pbr_db/)



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