



APPLICATIONS UNDER EXAMINATION

SCAEVOLA

SCAEVOLA
(Scaevola aemula)

Proposed denomination: 'Bomy Laver'
Trade name: Bombay Lavender
Application number: 07-6118
Application date: 2007/12/24
Applicant: Goldsmith Seeds, Inc., Gilroy, California, United States of America
Agent in Canada: Brenda Cole, BioFlora Inc., St. Thomas, Ontario
Breeder: Jason Jandrew, Goldsmith Seed Inc., Mountain View, California, United States of America

Varieties used for comparison: 'Bonscalib' (Surdiva Light Blue) and 'Bomy Pinka' (Bombay Pink)

Summary: 'Bomy Laver' has a taller plant height and wider plant width than 'Bonscalib'. 'Bomy Laver' has weaker anthocyanin colouration on the stem than the reference varieties. 'Bomy Laver' has sparse pubescence on the stem while 'Bonscalib' has dense pubescence. 'Bomy Laver' has a higher number of flowers per flowering stem than the reference varieties. The inner side of the petal is light blue violet for 'Bomy Laver' while it is blue violet for 'Bonscalib' and light blue pink for 'Bomy Pinka'.

Description:

PLANT: vegetatively propagated, annual, semi-upright to spreading/trailing growth habit, many branches

STEM: light brown, medium anthocyanin colouration, sparse pubescence, medium thickness, smooth

LEAF: alternate arrangement, simple, oblanceolate, acute apex, attenuate base, dentate margin, sparse pubescence on upper and lower side, medium green upper side, light green lower side, no variegation

FLOWER: almost continuous flowering, early to mid-season, long length of flowering, flowers solitary in leaf axils, terminal and axillary in position

COROLLA: petals free, fan-shaped petal arrangement

PETAL: oblanceolate, acute apex, entire margin, weak to medium undulation of margin, inner side light blue violet (RHS 76B) with white and yellow (RHS 6A) secondary colour at base, outer side light blue violet (RHS 76B)

COROLLA THROAT: dense pubescence on inner side, yellow (RHS 7A) on inner side, outer side yellow-green (RHS 2D)

Origin and Breeding: 'Bomy Laver' originated from a cross made in August 2004, at Gilroy, California, USA. The female parent was a proprietary seedling with blue flowers, designated 1071-3, and the male parent was a proprietary seedling with violet flowers designated 180. The resultant seed from the cross was sown in a greenhouse in January 2005. In May 2005, a single plant from the progeny was selected based on novel flower colour and plant habit.

Tests and Trials: Trials for 'Bomy Laver' were conducted in a poly-house during the spring/summer of 2009 at BioFlora Inc. in St. Thomas, Ontario. The trial included a total of fifteen plants per variety. All plants were grown from rooted cuttings and transplanted into 15 cm pots on May 8, 2009. Observations and measurements were taken from ten plants of each variety on June 10, 2009. All colour determinations were made using the 2001 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'Bomy Laver'

| | 'Bomy Laver' | 'Bonscalib'* | 'Bomy Pinka'* |
|--------------------------|--------------|--------------|---------------|
| <i>Plant height (cm)</i> | | | |
| mean | 24.8 | 11.6 | 26.5 |
| std. deviation | 2.60 | 2.08 | 5.42 |
| <i>Plant width (cm)</i> | | | |
| mean | 50.7 | 38.1 | 68.1 |
| std. deviation | 3.57 | 3.87 | 12.84 |

Number of flowers per stem

| | | | |
|----------------|------|------|------|
| mean | 10.0 | 7.1 | 7.2 |
| std. deviation | 1.66 | 1.29 | 1.99 |

Colour of petal (RHS)

| | | | |
|------------------------|-----------------------|-------------------------|-----------------------|
| inner side - main | 76B | N88C | 62C, 64D at base |
| inner side - secondary | white with 6A at base | white with 154C at base | white with 1A at base |
| outer side - main | 76B | N88D | 62C |

*reference varieties



Scaevola: 'Bomy Laver' (left) with reference varieties 'Bonscalib' (centre) and 'Bomy Pinka' (right)



Scaevola: 'Bomy Laver' (left) with reference varieties 'Bonscalib' (centre) and 'Bomy Pinka' (right)



Scaevola: 'Bomy Laver' (left) with reference varieties 'Bonscalib' (centre) and 'Bomy Pinka' (right)

| | |
|-------------------------------|-----------------------------------------------------------------------------------------|
| Proposed denomination: | ‘Bomy Whit’ |
| Trade name: | Bombay White |
| Application number: | 07-6119 |
| Application date: | 2007/12/24 |
| Applicant: | Goldsmith Seeds, Inc., Gilroy, California, United States of America |
| Agent in Canada: | Brenda Cole, BioFlora Inc., St. Thomas, Ontario |
| Breeder: | Jason Jandrew, Goldsmith Seed Inc., Mountain View, California, United States of America |

Variety used for comparison: ‘Scawihatis’ (Whirlwind White)

Summary: ‘Bomy Whit’ has a higher degree of branching than ‘Scawihatis’. ‘Bomy Whit’ has larger leaves than ‘Scawihatis’. ‘Bomy Whit’ has fewer flowers per flowering stem than ‘Scawihatis’. ‘Bomy Whit’ has no secondary colour on the inner side of the corolla while ‘Scawihatis’ has yellow colour at the base of the petals.

Description:

PLANT: vegetatively propagated, annual, spreading/trailing growth habit, many branches

STEM: medium green, no anthocyanin colouration, sparse pubescence, medium thickness, smooth

LEAF: alternate arrangement, simple, oblanceolate, acute apex, attenuate base, dentate margin, medium pubescence on upper and lower side, medium green on upper and lower side, no variegation

FLOWER: almost continuous flowering, early to mid-season, long length of flowering, flowers solitary in leaf axils, terminal and axillary in position

COROLLA: petals free, fan-shaped petal arrangement

PETAL: oblanceolate, mucronate apex, entire margin, weak to medium undulation of margin, inner and outer side white

COROLLA THROAT: dense pubescence on inner side, inner side light green (RHS 145C-D) with green brown (RHS 151C) along ribs, outer side yellow green (RHS 154C)

Origin and Breeding: ‘Bomy Whit’ originated from a cross made in August 2005, at Gilroy, California, USA. The female parent was a proprietary seedling with white flowers, designated 11-4, and the male parent was the variety ‘Whirlwind White’. The resultant seed from the cross was sown in a greenhouse in January 2006. In May 2006, a single plant from the progeny was selected based on novel flower colour and plant habit.

Tests and Trials: Trials for ‘Bomy Whit’ were conducted in a poly-house during the spring/summer of 2009 at BioFlora Inc. in St. Thomas, Ontario. The trial included a total of fifteen plants per variety. All plants were grown from rooted cuttings and transplanted into 15 cm pots on May 8, 2009. Observations and measurements were taken from ten plants of each variety on June 10, 2009. All colour determinations were made using the 2001 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for ‘Bomy Whit’

| | ‘Bomy Whit’ | ‘Scawihatis’* |
|-----------------------------------|-------------|---------------|
| <i>Leaf blade length (cm)</i> | | |
| mean | 7.4 | 5.1 |
| std. deviation | 0.62 | 0.66 |
| <i>Leaf blade width (cm)</i> | | |
| mean | 2.4 | 2.0 |
| std. deviation | 0.31 | 0.22 |
| <i>Number of flowers per stem</i> | | |
| mean | 12.2 | 18.2 |
| std. deviation | 2.94 | 3.36 |
| <i>Colour of petal (RHS)</i> | | |
| inner side - secondary | N/A | 7A |

*reference variety



Scaevola: 'Bomy Whit' (left) with reference variety 'Scawihatis' (right)



Scaevola: 'Bomy Whit' (left) with reference variety 'Scawihatis' (right)



Scaevola: 'Bomy Whit' (left) with reference variety 'Scawihatis' (right)

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|-------------------------------|----------------------------------------------------------------------|
| Proposed denomination: | 'Bonscablue' |
| Synonym: | Bonscadebu |
| Trade name: | Surdiva Blue |
| Application number: | 07-6003 |
| Application date: | 2007/09/21 |
| Applicant: | Bonza Botanicals Pty., Ltd., Yellow Rock, New South Wales, Australia |
| Agent in Canada: | Brenda Cole, BioFlora Inc., St. Thomas, Ontario |
| Breeder: | Andrew Berneutz, Sydney, New South Wales, Australia |

Varieties used for comparison: 'Bonscalib' (Surdiva Light Blue) and 'Outback Fan Flower Fan Dancer'

Summary: *'Bonscablue' has a shorter plant height and narrower plant width than 'Outback Fan Flower Fan Dancer'. 'Bonscablue' has fewer flowers per flowering stem and a shorter flowering shoot than 'Outback Fan Flower Fan Dancer'. 'Bonscablue' has a narrower corolla width than 'Bonscalib'. 'Bonscablue' has medium to strong undulation of the corolla margin while the reference varieties have weak undulation. The inner side of the petal is violet for 'Bonscablue' while it is blue violet for 'Bonscalib'.*

Description:

PLANT: vegetatively propagated, annual, spreading/trailing growth habit, medium to many branches
STEM: red brown, strong anthocyanin colouration, dense pubescence, medium to thick, smooth

LEAF: alternate arrangement, simple, oblanceolate, acute apex, attenuate base, dentate margin, sparse pubescence on upper and lower side, medium green upper side, light green lower side, no variegation

FLOWER: almost continuous flowering, early to mid-season, long length of flowering, flowers solitary in leaf axils, terminal and axillary in position

COROLLA: petals free, fan-shaped petal arrangement

PETAL: elliptic to lanceolate, acute apex, entire margin, medium to strong undulation of margin, inner side violet (RHS N87A) with white and yellow-green (RHS 154C) secondary colour at base, outer side violet (RHS N87B)

COROLLA THROAT: dense pubescence on inner side, yellow (RHS 4A) with brown-purple (RHS 187A) veins on inner side, outer side yellow (RHS 4B) with purple-red stripes

Origin and Breeding: ‘Bonscablue’ originated from an open pollination made at Yellow Rock, New South Wales, Australia in 2003. The female parent was the proprietary variety 00-38.24 and the pollen was derived from a group of several proprietary varieties. Seeds from the open pollination were germinated and grown to maturity. One plant was selected on November 14, 2003 and propagated by cuttings. These were grown in potted trials from November 2003 to December 2004.

Tests and Trials: Trials for ‘Bonscablue’ were conducted in a poly-house during the spring/summer of 2009 at BioFlora Inc. in St. Thomas, Ontario. The trial included a total of fifteen plants per variety. All plants were grown from rooted cuttings and transplanted into 15 cm pots on May 8, 2009. Observations and measurements were taken from ten plants on June 23, 2009 for ‘Bonscablue’ and ‘Outback Fan Flower Fan Dancer’ and on June 10, 2009 for ‘Bonscalib’. All colour determinations were made using the 2001 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for ‘Bonscablue’

| | ‘Bonscablue’ | ‘Bonscalib’* | ‘Outback Fan Flower Fan Dancer’* |
|------------------------------------|----------------------------|----------------------------|----------------------------------|
| <i>Plant height (cm)</i> | | | |
| mean | 12.1 | 11.6 | 20.9 |
| std. deviation | 2.27 | 2.08 | 3.79 |
| <i>Plant width (cm)</i> | | | |
| mean | 34.9 | 38.1 | 58.7 |
| std. deviation | 2.56 | 3.87 | 6.16 |
| <i>Number of flowers per stem</i> | | | |
| mean | 7.4 | 7.1 | 18.0 |
| std. deviation | 1.17 | 1.29 | 3.94 |
| <i>Flowering shoot length (cm)</i> | | | |
| mean | 19.3 | 20.5 | 35.6 |
| std. deviation | 2.02 | 3.19 | 4.69 |
| <i>Corolla width (cm)</i> | | | |
| mean | 3.0 | 3.5 | 3.3 |
| std. deviation | 0.24 | 0.14 | 0.24 |
| <i>Colour of petal (RHS)</i> | | | |
| inner side - main | N87A | N88C | N87B with N87A veins |
| inner side - secondary | white with 154C at base | white with 154C at base | white with 1A at base |
| outer side - main | N87B | N88D | N87C |
| *reference varieties | | | |



Bonscablue
Surdiva Blue

Bonscalib
Surdiva Light Blue

**Outback Fan Flower
Fan Dancer**

Scaevola: 'Bonscablue' (left) with reference varieties 'Bonscalib' (centre) and 'Outback Fan Flower Fan Dancer' (right)

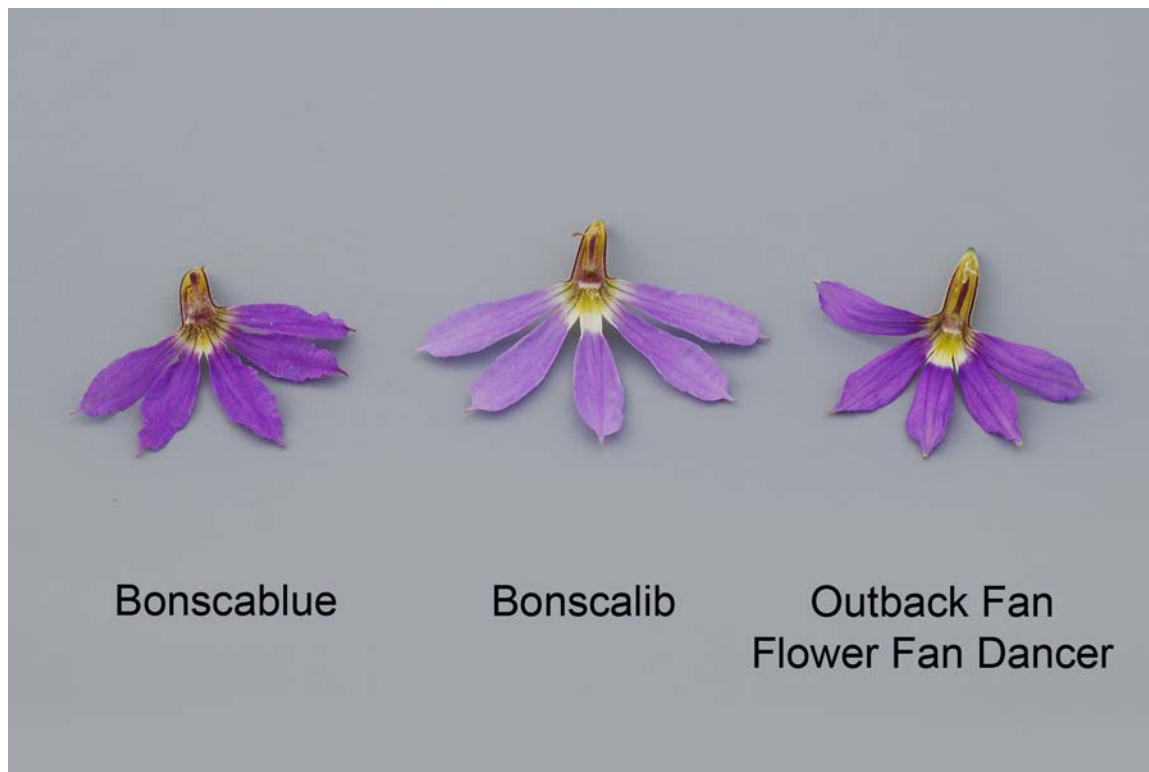


Bonscablue

Bonscalib

**Outback Fan
Flower Fan Dancer**

Scaevola: 'Bonscablue' (left) with reference varieties 'Bonscalib' (centre) and 'Outback Fan Flower Fan Dancer' (right)



Scaevola: 'Bonscablue' (left) with reference varieties 'Bonscalib' (centre) and 'Outback Fan Flower Fan Dancer' (right)
