



APPLICATIONS UNDER EXAMINATION

SCAEVOLA

SCAEVOLA
(Scaevola aemula)

Proposed denomination: 'Bonscalib'
Trade name: Surdiva Light Blue
Application number: 07-6004
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

Variety used for comparison: 'Outback Fan Flower Purple Fan'

Summary: 'Bonscalib' has a shorter plant height and narrower plant width than 'Outback Fan Flower Purple Fan'. 'Bonscalib' has medium pubescence on the stem while 'Outback Fan Flower Purple Fan' has very sparse pubescence. 'Bonscalib' has a thinner stem and smaller leaf blade than 'Outback Fan Flower Purple Fan'. 'Bonscalib' has lighter blue violet corolla colour than 'Outback Fan Flower Purple Fan'.

Description:

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

STEM: green to red-brown, strong anthocyanin colouration, medium pubescence, medium thickness, smooth

LEAF: alternate arrangement, simple, obovate to spatulate, broadly acute apex with mucronate tip, attenuate base, dentate margin, sparse pubescence on upper side, medium pubescence on lower side, medium to dark green on upper side, medium green on lower side, no variegation

FLOWERING: almost continuous, early to mid-season, long length of flowering

INFLORESCENCE: both terminal and axillary in position, single flower per leaf axil

COROLLA: fan-shaped, petals partially fused, five petals, medium pubescence at throat, blue violet on inner side with white at base, blue violet on outer side, yellow with deep purple veins on inner side of corolla tube, light green with purple veins on outer side of corolla tube

PETAL: entire margin, absent to very weak undulation of margin, elliptic to oblanceolate shape, mucronate apex.

Origin and Breeding: 'Bonscalib' originated from an open pollination made at Yellow Rock, New South Wales, Australia in 2003. The female parent was the proprietary variety 00-38.1 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 'Bonscalib' were conducted during the spring of 2008 in a polyhouse at BioFlora Inc. in St. Thomas, Ontario. There were 15 plants each of the candidate and reference variety. The plants were grown from rooted cuttings which were transplanted into 15 cm pots on April 18, 2008. Observations and measurements were taken from 10 plants on June 13, 2008. All colour determinations were made using the 2001 Royal Horticulture Society (RHS) Colour Chart.

Comparison table for 'Bonscalib'

	'Bonscalib'	'Outback Fan Flower Purple Fan'*
<i>Plant height (cm)</i>		
mean	14.0	29.1
std. deviation	2.16	2.47
<i>Plant width (cm)</i>		
mean	45.3	79.3
std. deviation	1.70	5.03

Leaf blade length (cm)

mean	6.6	8.9
std. deviation	0.51	0.75

Leaf blade width (cm)

mean	2.8	3.5
std. deviation	0.59	0.52

Colour of corolla (RHS)

inner side - primary	N88C	90C
inner side - secondary	155A	N81A-B (midvein), 155D at base
outer side - primary	N88C	90C with N87A-B (midvein)

*reference variety



Scaevola: 'Bonscalib' (left) with reference variety 'Outback Fan Flower Purple Fan' (right)



Scaevola: 'Bonscalib' (left) with reference variety 'Outback Fan Flower Purple Fan' (right)



Scaevola: 'Bonscalib' (left) with reference variety 'Outback Fan Flower Purple Fan' (right)

Proposed denomination: 'Bonscawi'
Trade name: Surdiva White
Application number: 07-6005
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

Variety used for comparison: 'Scawihatis' (Whirlwind White)

Summary: 'Bonscawi' has a shorter plant height and narrower plant width than 'Scawihatis'. 'Bonscawi' has a shorter corolla length and narrower corolla width than 'Scawihatis'. 'Bonscawi' has yellow green secondary colour on the inner side of the corolla at the base while 'Scawihatis' has yellow green secondary colour with a yellow spot at the base.

Description:

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

STEM: light green, no anthocyanin colouration, medium pubescence, thin to medium thickness, smooth

LEAF: alternate arrangement, simple, obovate to spatulate, obtuse apex with mucronate tip, attenuate base, crenate to dentate margin, sparse to medium pubescence on upper side, medium pubescence at midrib on lower side, medium green on upper side, light green on lower side, no variegation

FLOWERING: almost continuous, early to mid-season, long length of flowering

INFLORESCENCE: both terminal and axillary in position, single flower per leaf axil

COROLLA: fan-shaped, petals partially fused, five, medium pubescence at throat, white on inner side with yellow green at base, white on outer side with whitish-yellow along midvein, light green on inner and outer side of corolla tube

PETAL: entire margin, absent to very weak undulation of margin, obovate shape, mucronate apex.

Origin and Breeding: 'Bonscawi' originated from an open pollination made at Yellow Rock, New South Wales, Australia in 2003. The female parent was the proprietary variety 00-38.17 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 January 13, 2004 and propagated by cuttings. These were grown in potted trials from February to December 2004.

Tests and Trials: Trials for 'Bonscawi' were conducted during the spring/summer of 2008 in a polyhouse at BioFlora Inc. in St. Thomas, Ontario. There were 15 plants each of the candidate and reference variety. The plants were grown from rooted cuttings which were transplanted into 15 cm pots on April 18, 2008. Observations and measurements were taken from 10 plants on June 13, 2008. All colour determinations were made using the 2001 Royal Horticulture Society (RHS) Colour Chart.

Comparison table for 'Bonscawi'

	'Bonscawi'	'Scawihatis'*
<i>Plant height (cm)</i>		
mean	18.0	25.4
std. deviation	2.26	1.84
<i>Plant width (cm)</i>		
mean	47.1	83.3
std. deviation	2.47	3.72
<i>Corolla length (cm)</i>		
mean	1.4	1.7
std. deviation	0.09	0.08
<i>Corolla width (cm)</i>		
mean	2.6	3.0
std. deviation	0.08	0.17

Colour of inner side of corolla (RHS)

secondary

150B

150B with spot of 9A

*reference variety



Scaevola: 'Bonscawi' (left) with reference variety 'Scawihatis' (right)



Scaevola: 'Bonscawi' (left) with reference variety 'Scawihatis' (right)



Scaevola: 'Bonscawi' (left) with reference variety 'Scawihatis' (right)
