



APPLICATIONS UNDER EXAMINATION

VERBENA

VERBENA
(Verbena ×hybrida)

Proposed denomination: 'Balzdare'
Trade name: Aztec Dark Red
Application number: 07-5882
Application date: 2007/04/12
Applicant: Ball Horticultural Company, West Chicago, Illinois, United States of America
Agent in Canada: Brenda Cole, BioFlora Inc., St. Thomas, Ontario
Breeder: Ball Horticultural Company, West Chicago, Illinois, United States of America

Varieties used for comparison: 'Balazreve' (Aztec Dark Red) and 'Redana' (Tukana Deep Red)

Summary: 'Balzdare' has a more upright growth habit than 'Redana'. The plant width of 'Balzdare' is narrower than 'Redana'. 'Balzdare' has a slightly longer corolla tube than 'Balazreve'. The corolla diameter of 'Balzdare' is smaller than 'Balazreve'. 'Balzdare' has a stronger undulation of the corolla margin than 'Redana'. The diameter of the corolla eye in 'Balzdare' is smaller than in 'Balazreve'. 'Balzdare' has a pink corolla eye while it is green yellow in 'Balazreve'.

Description:

PLANT: upright growth habit, medium to tall height, narrow width
 STEM: light green, medium anthocyanin colouration on middle third

LEAF BLADE: medium length, narrow, lanceolate to ovate shape, truncate to cuneate base, not divided, dentate margin, medium green on upper side, no anthocyanin colouration on upper side
 PETIOLE: short

INFLORESCENCE: medium to large diameter, cylindrical to broad ovate in profile

CALYX: anthocyanin colouration on teeth only

COROLLA: medium to large diameter, one colour, shaded colour pattern, lighter colour towards apex of corolla lobes, red (RHS 45B) with dark purple red (RHS 46A) at base on upper side, weakly fading change in colour with age, dark pink red (RHS 53C-D) on lower side

COROLLA LOBES: free, mostly straight along longitudinal axis, medium to strong undulation of margin

COROLLA TUBE: long, tip of protruding hairs is pink

COROLLA EYE: very small diameter, pink

Origin and Breeding: 'Balzdare' originated from a cross pollination between the female parent 'BFP 2465A' and the male parent 'Balazreve' conducted on August 15, 2004 at Arroyo Grande, California, USA. The initial selection was made on January 10, 2005 based on the selection criteria of flower colour, growth habit and early flowering characteristics.

Tests and Trials: Tests and trials were conducted in a poly house in the spring of 2008 in St. Thomas, Ontario. There were 15 plants of each variety individually grown in 12 cm plastic pots. All colour measurements were made using the 2001 Royal Horticultural Society Colour Chart.

Comparison table for 'Balzdare'

	'Balzdare'	'Balazreve'*	'Redana'*
<i>Plant width (cm)</i>			
mean	44.2	39.8	64.4
std. deviation	2.47	3.39	6.27
<i>Corolla diameter (mm)</i>			
mean	23.1	26.3	20.8
std. deviation	1.36	1.22	1.72

*reference varieties



Verbena: 'Balazdare' (left) with reference varieties 'Balazreve' (centre) and 'Redana' (right)

Proposed denomination: 'Carmali'
Trade name: Magalena Carpet Lipstick
Application number: 07-6044
Application date: 2006/11/22 (priority claimed)
Applicant: Syngenta Crop Protection AG, Basel, Switzerland
Agent in Canada: Brenda Cole, BioFlora Inc., St. Thomas, Ontario
Breeder: Har Stemkens, Syngenta Seeds B.V., Enkhuizen, The Netherlands

Variety used for comparison: 'Carmapin'

Summary: 'Carmali' has a divided type leaf while it is a dissected type in 'Carmapin'. The petiole of 'Carmali' is shorter than 'Carmapin'. 'Carmali' has a larger corolla diameter than 'Carmapin'. The main colour of the lower side of the corolla of 'Carmali' is blue pink while it is violet in 'Carmapin'.

Description:

PLANT: creeping growth habit, narrow width
STEM: light green, medium anthocyanin colouration on middle third

LEAF BLADE: short, narrow to medium width, ovate to broad ovate shape, cuneate base, divided, crenate margin, medium green on upper side, no anthocyanin colouration on upper side

PETIOLE: short

INFLORESCENCE: small to medium diameter, broad ovate in profile

CALYX: no anthocyanin colouration

COROLLA: medium to large diameter, one colour, shaded colour pattern, lighter colour towards apex of corolla lobes, purple red (RHS N57A) on upper side when newly opened, purple red (RHS 58B) with blue pink (RHS N66D) towards apex of lobes when fully opened, strongly fading change in colour with age, blue pink on lower side with white undertones

COROLLA LOBES: free, mostly straight along longitudinal axis, weak undulation of margin

COROLLA TUBE: medium length, tip of protruding hairs is whitish green

COROLLA EYE: very small to small diameter, light pink

Origin and Breeding: ‘Carmali’ originated from a controlled pollination between the female parent ‘E1108-2’ and the male parent ‘B0852-8’ conducted in August 2003 at Enkhuizen, The Netherlands. The initial selection was made in May 2004 based on the selection criteria of branching habit, early flowering time, flower size, no seed set and heat tolerance.

Tests and Trials: Tests and trials were conducted in a poly house in the spring of 2008 in St. Thomas, Ontario. There were 15 plants of each variety individually grown in 12 cm plastic pots. All colour measurements were made using the 2001 Royal Horticultural Society Colour Chart.

Comparison table for ‘Carmali’

	‘Carmali’	‘Carmapin’*
<i>Petiole length (mm)</i>		
mean	6.4	9.1
std. deviation	1.35	1.10
<i>Corolla diameter (mm)</i>		
mean	21.3	17.0
std. deviation	1.41	1.13
<i>Main corolla colour (RHS)</i>		
lower side	68B	77D

*reference variety



Verbena: ‘Carmali’ (left) with reference variety ‘Carmapin’ (right)

Proposed denomination: ‘Ipinena’
Trade name: Ipanema Salmon
Application number: 06-5633
Application date: 2005/11/07 (priority claimed)
Applicant: Syngenta Crop Protection AG, Basel, Switzerland
Agent in Canada: Brenda Cole, BioFlora Inc., St. Thomas, Ontario
Breeder: Henricus G.W. Stemkens, Syngenta Seeds B.V., Enkhuizen, The Netherlands

Variety used for comparison: ‘Sunmaref TP-SAP’ (Tapien Salmon)

Summary: *'Ipinena'* has a semi-upright growth habit while it is creeping in *'Sunmaref TP-SAP'*. The plant width of *'Ipinena'* is narrower than *'Sunmaref TP-SAP'*. *'Ipinena'* has a longer leaf than *'Sunmaref TP-SAP'*. The calyx of *'Ipinena'* has anthocyanin colouration on the teeth only while it is on the upper part in *'Sunmaref TP-SAP'*. *'Ipinena'* mainly has a purple red colour on the upper side of the corolla fading to a blue pink while the colour is purple red fading to a light blue pink in *'Sunmaref TP-SAP'*.

Description:

PLANT: semi-upright growth habit, narrow to medium width

STEM: light green, medium anthocyanin colouration on middle third

LEAF BLADE: long, narrow, rhomboid shape, cuneate base, dissected, crenate to serrate margin, medium green on upper side, no anthocyanin colouration on upper side

INFLORESCENCE: very small to small diameter, broad ovate in profile

CALYX: anthocyanin colouration on teeth only

COROLLA: very small to small diameter, one colour, shaded colour pattern, lighter colour towards apex of corolla lobes, purple red on upper side weakly fading to blue pink with age, light blue pink on lower side

COROLLA LOBES: free, mostly straight along longitudinal axis, weak undulation of margin

COROLLA TUBE: very short to short, tip of protruding hairs is light green with a pink spot

COROLLA EYE: small to medium diameter, whitish green

Origin and Breeding: *'Ipinena'* originated from a controlled pollination between the female parent *'B0859-5'* and the male parent *'C0776-4'* conducted in August 2000 at Enkhuizen, The Netherlands. The initial selection was made in May 2001 based on the selection criteria of early flowering time, plant form, and sterility.

Tests and Trials: Tests and trials were conducted in a poly house in the spring of 2008 in St. Thomas, Ontario. There were 15 plants of each variety individually grown in 12 cm plastic pots. All colour measurements were made using the 2001 Royal Horticultural Society Colour Chart.

Comparison table for *'Ipinena'*

	<i>'Ipinena'</i>	<i>'Sunmaref TP-SAP'</i> *
<i>Plant width (cm)</i>		
mean	52.2	72.5
std. deviation	3.61	8.23
<i>Leaf length (mm)</i>		
mean	42.1	29.4
std. deviation	3.98	5.42
<i>Main corolla colour (RHS)</i>		
upper side	lighter than 58C	61D
aged upper side	62A	62C

*reference variety



Verbena: 'Ipinena' (left) with reference variety 'Sunmaref TP-SAP' (right)

Proposed denomination: 'Iplilena'
Trade name: Ipanema Lilac
Application number: 06-5634
Application date: 2005/11/07 (priority claimed)
Applicant: Syngenta Crop Protection AG, Basel, Switzerland
Agent in Canada: Brenda Cole, BioFlora Inc., St. Thomas, Ontario
Breeder: Henricus G.W. Stemkens, Syngenta Seeds B.V., Enkhuizen, The Netherlands

Variety used for comparison: 'Sunmaref TP-P' (Tapien Pink)

Summary: *'Iplilena' has a wider plant with weaker anthocyanin colouration of the stems than 'Sunmaref TP-P'. The calyx of 'Iplilena' has anthocyanin colouration on the upper part while it is over the entire calyx in 'Sunmaref TP-P'. 'Iplilena' has a slightly larger corolla diameter than 'Sunmaref TP-P'. The main colour of the upper side of the corolla of 'Iplilena' is a darker violet than 'Sunmaref TP-P'. 'Iplilena' has a violet ring around the eye zone while it is purple in 'Sunmaref TP-P'.*

Description:

PLANT: creeping growth habit, wide width

STEM: light green, weak anthocyanin colouration on middle third

LEAF BLADE: short to medium length, medium to wide width, deltoid shape, cuneate to truncate base, dissected, serrate margin, medium green on upper side, no anthocyanin colouration on upper side

PETIOLE: short to medium length

INFLORESCENCE: very small diameter, broad ovate in profile

CALYX: anthocyanin colouration on upper part

COROLLA: small to medium diameter, two colours, shaded colour pattern, lighter colour towards apex of corolla lobes, violet on upper side strongly fading with age with a slightly darker violet colour around eye zone, light blue violet (RHS 76A) on lower side

COROLLA LOBES: free, straight along longitudinal axis, weak undulation of margin

COROLLA TUBE: very short to short, tip of protruding hairs is white

COROLLA EYE: small to medium diameter, light pink

Origin and Breeding: 'Iplilena' originated from a self pollination of 'A0961-1' conducted during August 1999 at Enkhuizen, The Netherlands. The initial selection was made in May 2000 based on the selection criteria of early flowering time, plant form, and sterility.

Tests and Trials: Tests and trials were conducted in a poly house in the spring of 2008 in St. Thomas, Ontario. There were 15 plants of each variety individually grown in 12 cm plastic pots. All colour measurements were made using the 2001 Royal Horticultural Society Colour Chart.

Comparison table for 'Iplilena'

	'Iplilena'	'Sunmaref TP-P'*
<i>Plant width (cm)</i>		
mean	81.4	56.5
std. deviation	5.25	4.69
<i>Corolla diameter (mm)</i>		
mean	18.0	15.4
std. deviation	1.22	0.88
<i>Main corolla colours (RHS)</i>		
upper side	N81B-C	75A with streaks of 68B
ring around eye	N78A	N74A

*reference variety



Verbena: 'Iplilena' (left) with reference variety 'Sunmaref TP-P' (right)

Proposed denomination: 'KLEVP06349'
Trade name: Fuego Denim Blue
Application number: 06-5553
Application date: 2006/07/14
Applicant: Nils Klemm, Stuttgart, Germany
Agent in Canada: Brenda Cole, BioFlora Inc., St. Thomas, Ontario
Breeder: Graham Brown, Macquarie Fields, New South Wales, Australia

Variety used for comparison: 'USBENAL11' (Superbena Large Lilac Blue)

Summary: 'KLEVP06349' has a shorter, wider plant than 'USBENAL11'. The anthocyanin colouration of the stem of 'KLEVP06349' is stronger than 'USBENAL11'. 'KLEVP06349' has a longer corolla tube than 'USBENAL11'. The main colour of the upper side of the corolla of 'KLEVP06349' is a darker violet than in 'USBENAL11'. 'KLEVP06349' corolla colour fades more with age than 'USBENAL11'.

Description:

PLANT: semi-upright to creeping growth habit, very short to short height, wide to very wide width

STEM: light green, strong anthocyanin colouration on middle third

LEAF BLADE: short, narrow, ovate shape, truncate base, no divisions, crenate margin, medium green on upper side, no anthocyanin colouration on upper side

PETIOLE: very short to short

INFLORESCENCE: medium to large diameter, broad ovate in profile

CALYX: no anthocyanin colouration

COROLLA: medium diameter, one colour, shaded colour pattern, lighter colour towards apex of corolla lobes, violet on upper side when first opened to a blue violet when fully opened, strongly fading change in colour with age, light blue violet (RHS 85C-D) on lower side

COROLLA LOBES: free, incurved along longitudinal axis, medium undulation of margin

COROLLA TUBE: long, tip of protruding hairs is grey purple

COROLLA EYE: small to medium diameter, green yellow

Origin and Breeding: 'KLEVP06349' originated from a controlled pollination made between the seedlings V1 x V3 conducted in the summer of 2002 at Camden, Australia. The initial selection was made in the summer of 2004 based on the selection criteria of growth habit, flower colour and powdery mildew resistance. In 2004-2005, the seedlings were evaluated in greenhouse trials and outdoor performance trials in Stuttgart, Germany.

Tests and Trials: Tests and trials were conducted in a poly house in the spring of 2008 in St. Thomas, Ontario. There were 15 plants of each variety individually grown in 12 cm plastic pots. All colour measurements were made using the 2001 Royal Horticultural Society Colour Chart.

Comparison table for 'KLEVP06349'

	'KLEVP06349'	'USBENAL11'*
<i>Plant height (cm)</i>		
mean	10.6	20.6
std. deviation	1.72	2.28
<i>Plant width (cm)</i>		
mean	84.0	58.3
std. deviation	6.58	4.31
<i>Main corolla colour (RHS)</i>		
upper side	N87A-86D	N82B

*reference variety



Verbena: 'KLEVP06349' (left) with reference variety 'USBENAL11' (right)

Proposed denomination: 'KLEVP06350'
Trade name: Fuego Orange Red
Application number: 06-5554
Application date: 2006/07/14
Applicant: Nils Klemm, Stuttgart, Germany
Agent in Canada: Brenda Cole, BioFlora Inc., St. Thomas, Ontario
Breeder: Graham Brown, Macquarie Fields, New South Wales, Australia

Varieties used for comparison: 'Scarlena' (Tukana Scarlet) and 'Sunmarired' (Temari Red)

Summary: 'KLEVP06350' has a shorter plant with a stronger creeping habit than 'Scarlena' and 'Sunmarired'. The plant width of 'KLEVP06350' is wider than the reference varieties. The main colour on the upper side of the corolla of 'KLEVP06350' is slightly more orange than the reference varieties. The lower side of the corolla of 'KLEVP06350' is a lighter red pink than 'Scarlena' and 'Sunmarired'.

Description:

PLANT: creeping growth habit, very short height, medium to wide width
STEM: light green, medium to strong anthocyanin colouration on middle third

LEAF BLADE: very short to short, narrow, ovate shape, truncate base, no divisions, dentate to serrate margin, medium green on upper side, no anthocyanin colouration on upper side

PETIOLE: very short to short

INFLORESCENCE: medium to large diameter, broad ovate in profile

CALYX: anthocyanin colouration present on teeth only

COROLLA: medium diameter, one colour, shaded colour pattern, lighter colour towards apex of corolla lobes, red on upper side, no change in colour with age, red pink on lower side

COROLLA LOBES: free to touching, mostly straight along longitudinal axis, medium undulation of margin

COROLLA TUBE: long, tip of protruding hairs is whitish green with a pink spot

COROLLA EYE: absent

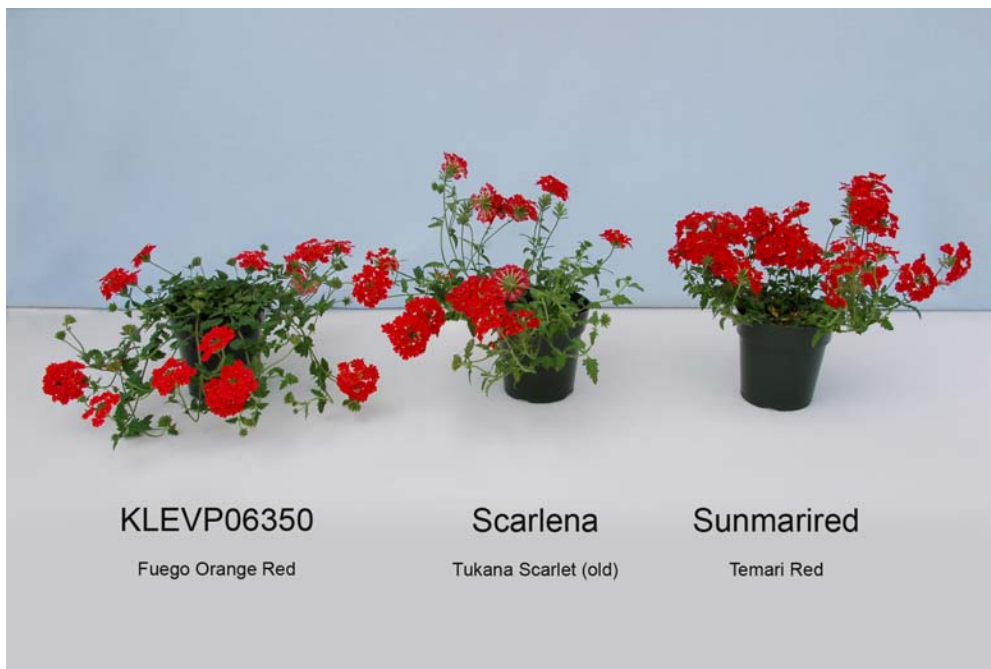
Origin and Breeding: 'KLEVP06350' originated from a controlled pollination made between the seedlings V3 x V4 conducted in the summer of 2003 at Camden, Australia. The initial selection was made in the summer of 2005 based on the selection criteria of growth habit and flower colour. In 2005-2006, the seedlings were evaluated in greenhouse trials and outdoor performance trials in Stuttgart, Germany.

Tests and Trials: Tests and trials were conducted in a poly house in the spring of 2008 in St. Thomas, Ontario. There were 15 plants of each variety individually grown in 12 cm plastic pots. All colour measurements were made using the 2001 Royal Horticultural Society Colour Chart.

Comparison table for 'KLEVP06350'

	'KLEVP06350'	'Scarlana'*	'Sunmarired'*
<i>Plant height (cm)</i>			
mean	8.5	18.7	16.2
std. deviation	1.04	1.71	1.53
<i>Plant width (cm)</i>			
mean	68.6	58.3	47.8
std. deviation	5.15	5.65	3.59
<i>Main corolla colour (RHS)</i>			
upper side apex	40A	45B	45B
upper side base	45B	45A	46B
lower side	47D	50B	50B

*reference varieties



Verbena: 'KLEVP06350' (left) with reference varieties 'Scarlana' (centre) and 'Sunmarired' (right)

Proposed denomination: 'KLEVP06352'
Trade name: Lascar Apricot
Application number: 06-5555
Application date: 2006/07/14
Applicant: Nils Klemm, Stuttgart, Germany
Agent in Canada: Brenda Cole, BioFlora Inc., St. Thomas, Ontario
Breeder: Graham Brown, Macquarie Fields, New South Wales, Australia

Varieties used for comparison: 'Lan Peachy' (Lanai Peach) and 'Balazcoral' (Aztec Coral)

Summary: 'KLEVP06352' has a more upright growth habit than 'Lan Peachy'. The plant of 'KLEVP06352' is taller than 'Lan Peachy'. 'KLEVP06352' has a narrower plant than the reference varieties. The stem of 'KLEVP06352' has weaker anthocyanin colouration than 'Lan Peachy'. 'KLEVP06352' has more orange in the pink on the upper side of the corolla than the reference varieties.

Description:

PLANT: semi-upright growth habit, short height, very narrow to narrow width

STEM: light green, very weak anthocyanin colouration on middle third

LEAF BLADE: long, narrow, ovate shape, cuneate to truncate base, no divisions, crenate margin, medium green on upper side, no anthocyanin colouration on upper side

PETIOLE: short

INFLORESCENCE: small to medium diameter, broad ovate in profile

CALYX: no anthocyanin colouration

COROLLA: medium diameter, one colour, shaded colour pattern, lighter colour towards base of corolla lobes, orange pink on upper side when first opened to light pink red to orange pink when fully opened, strongly fading change in colour to light yellow orange, orange pink (RHS 27A) on lower side

COROLLA LOBES: touching to overlapping, incurved along longitudinal axis, strong undulation of margin

COROLLA TUBE: long, tip of protruding hairs is whitish green with a pink spot

COROLLA EYE: very small to small, whitish green, pink

Origin and Breeding: 'KLEVP06352' originated from a controlled pollination made between the seedlings V9 x V10 conducted in 2004 at Camden, Australia. The initial selection was made in the summer of 2004 based on the selection criteria of growth habit, flower colour and powdery mildew resistance. In 2005-2006, the seedlings were evaluated in greenhouse trials and outdoor performance trials in Stuttgart, Germany.

Tests and Trials: Tests and trials were conducted in a poly house in the spring of 2008 in St. Thomas, Ontario. There were 15 plants of each variety individually grown in 12 cm plastic pots. All colour measurements were made using the 2001 Royal Horticultural Society Colour Chart.

Comparison table for 'KLEVP06352'

	'KLEVP06352'	'Lan Peachy'*	'Balazcoral'*
<i>Plant height (cm)</i>			
mean	13.3	8.9	15.3
std. deviation	1.67	1.58	2.05
<i>Plant width (cm)</i>			
mean	33.5	46.8	46.6
std. deviation	2.95	6.35	3.18
<i>Main corolla colour (RHS)</i>			
upper side newly opened	pinker than 37A	41C-43C	52D
upper side fully opened	36A-29D	29C	49B-C
upper side aged	20D	29D-white	36D

*reference varieties



Verbena: 'KLEVP06352' (left) with reference varieties 'Lan Peachy' (centre) and 'Balazcoral' (right)

Proposed denomination:	'Lan Dareda'
Trade name:	Lanai Dark Red
Application number:	07-6122
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:	Mitchell Hanes, Goldsmith Seeds, Inc., Morgan Hill, California, United States of America

Varieties used for comparison: 'Balzdare' (Aztec Dark Red) and 'Sunvivare' (Temari Patio Red)

Summary: *'Lan Dareda' has a shorter, wider plant than 'Balzdare' and 'Sunvivare'. The corolla tube of 'Lan Dareda' is longer than 'Sunvivare' but shorter than 'Balzdare'. The colour of the tip of the protruding hairs at the mouth of the corolla tube in 'Lan Dareda' is light green with a pink spot while it is pink in 'Balzdare' and purple with light blue in 'Sunvivare'. 'Lan Dareda' has a larger corolla diameter than 'Sunvivare'.*

Description:

PLANT: upright to semi-upright growth habit, short height, medium to wide width

STEM: light green, medium anthocyanin colouration on middle third with stripes of strong anthocyanin colouration

LEAF BLADE: short, narrow, ovate shape, cuneate base, no divisions, dentate margin, medium green on upper side, no anthocyanin colouration on upper side

PETIOLE: short

INFLORESCENCE: medium diameter, broad ovate in profile

CALYX: no anthocyanin colouration

COROLLA: medium diameter, one colour, shaded colour pattern, lighter colour towards apex of corolla lobes, dark purple red to dark pink red (RHS 53B-C to 46A) on upper side, weakly fading change in colour with age, dark pink red (RHS 53C) on lower side

COROLLA LOBES: free, straight to recurved along longitudinal axis, weak to medium undulation of margin

COROLLA TUBE: medium length, tip of protruding hairs is light green with a pink spot

COROLLA EYE: small, pink-red

Origin and Breeding: ‘Lan Dareda’ originated from a hybrid cross made in May 2004, in Gilroy, California, USA between the female parent ‘04-1801-3’ and the male parent ‘Aztec Velvet Red’. The resultant seed from the cross was sown in a greenhouse in March 2005. In May 2005, a single plant was selected based on flower colour and plant habit.

Tests and Trials: Tests and trials were conducted in a poly house in the spring of 2008 in St. Thomas, Ontario. There were 15 plants of each variety individually grown in 12 cm plastic pots. All colour measurements were made using the 2001 Royal Horticultural Society Colour Chart.

Comparison table for ‘Lan Dareda’

	‘Lan Dareda’	‘Balazdare’*	‘Sunvivare’*
<i>Plant height (cm)</i>			
mean	13.9	20.4	19.0
std. deviation	1.66	4.04	2.74
<i>Plant width (cm)</i>			
mean	68.9	44.2	51.8
std. deviation	7.93	2.47	4.06
<i>Corolla diameter (mm)</i>			
mean	25.0	23.1	19.4
std. deviation	1.73	1.36	1.33

*reference varieties



Verbena: ‘Lan Dareda’ (left) with reference varieties ‘Balazdare’ (centre) and ‘Sunvivare’ (right)

Proposed denomination: ‘Pechena’
Trade name: Magalena Ultra Peach
Application number: 06-5635
Application date: 2005/11/07 (priority claimed)
Applicant: Syngenta Crop Protection AG, Basel, Switzerland
Agent in Canada: Brenda Cole, BioFlora Inc., St. Thomas, Ontario
Breeder: Henricus G.W. Stemkens, Syngenta Seeds B.V., Enkhuizen, The Netherlands

Variety used for comparison: ‘Balazcoral’ (Aztec Coral)

Summary: *'Pechena'* has medium green leaves while they are dark green in *'Balazcoral'*. The corolla diameter of *'Pechena'* is smaller than *'Balazcoral'*. *'Pechena'* has more orange in the pink red upper side corolla than *'Balazcoral'*. The lower side of the corolla of *'Pechena'* is light yellow orange while it is light pink red in *'Balazcoral'*.

Description:

PLANT: semi-upright growth habit, medium height, narrow width

STEM: light green, weak anthocyanin colouration on middle third

LEAF BLADE: short to medium length, very narrow to narrow, lanceolate to ovate shape, cuneate to truncate base, no divisions, crenate to dentate margin, medium green on upper side, no anthocyanin colouration on upper side

PETIOLE: very short to short

INFLORESCENCE: medium to large diameter, broad ovate in profile

CALYX: no anthocyanin colouration

COROLLA: small diameter, one colour, shaded colour pattern, light yellow orange to orange upper side, strongly fading change in colour with age, light yellow orange lower side

COROLLA LOBES: touching, incurved along longitudinal axis, strong undulation of margin

COROLLA TUBE: long, tip of protruding hairs is light green

COROLLA EYE: medium size, green yellow

Origin and Breeding: *'Pechena'* originated from a self pollination of *'D0806-1'* conducted during May 2001 at Enkhuizen, The Netherlands. The initial selection was made in May 2002 based on the selection criteria of early flowering time, plant form, and sterility.

Tests and Trials: Tests and trials were conducted in a poly house in the spring of 2008 in St. Thomas, Ontario. There were 15 plants of each variety individually grown in 12 cm plastic pots. All colour measurements were made using the 2001 Royal Horticultural Society Colour Chart.

Comparison table for *'Pechena'*

	<i>'Pechena'</i>	<i>'Balazcoral'</i>*
<i>Corolla diameter (mm)</i>		
mean	17.0	23.6
std. deviation	0.71	2.07
<i>Main corolla colour (RHS)</i>		
upper side newly opened	41C-D with 50A base	52D
upper side fully opened	23D with 29B base	49B-C
upper side aged	19B-D	36D
lower side	19C	36C to white

*reference variety



Verbena: 'Pechena' (left) with reference variety 'Balazcoral' (right)

Proposed denomination:	'Rap Magna'
Trade name:	Rapunzel Magenta
Application number:	07-6125
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:	Mitchell Hanes, Goldsmith Seeds, Inc., Morgan Hill, California, United States of America

Variety used for comparison: 'Rap Burg Two' (Rapunzel Burgundy)

Summary: *'Rap Magna' has a shorter plant with stronger anthocyanin colouration of the stem than 'Rap Burg Two'. The petiole of 'Rap Magna' is shorter than 'Rap Burg Two'. 'Rap Magna' has a larger corolla diameter than 'Rap Burg Two'. The corolla margin of 'Rap Magna' has weaker undulation than 'Rap Burg Two'. 'Rap Magna' has a lighter purple upper side corolla colour than 'Rap Burg Two'. The corolla eye of 'Rap Magna' is smaller than 'Rap Burg Two'. 'Rap Magna' has a light pink to light purple coloured corolla eye while it is whitish green in 'Rap Burg Two'.*

Description:

PLANT: semi-upright growth habit, very short to short height

STEM: light green, medium anthocyanin colouration on middle third in the form of streaks

LEAF BLADE: short to medium length, narrow to medium width, ovoid to deltoid shape, cuneate to truncate base, dissected, serrate margin, grey green on upper side, no anthocyanin colouration on upper side

PETIOLE: short to medium length

INFLORESCENCE: small diameter, cylindrical in profile

CALYX: no anthocyanin colouration

COROLLA: small to medium diameter, one colour, even colour pattern, purple on upper side, weakly fading change in colour with age, purple to blue pink at base (RHS 72A, 73B at base) on lower side

COROLLA LOBES: free to touching, straight to slightly recurved along longitudinal axis, weak to medium undulation of margin

COROLLA TUBE: short, tip of protruding hairs is red purple

COROLLA EYE: very small, light pink to light purple

Origin and Breeding: 'Rap Magna' originated from a hybrid cross made in August 2005, in Gilroy, California, USA between the female parent '04-1791-5' and the male parent '03-1752-1'. The resultant seed from the cross was sown in a greenhouse in November 2005. In February 2006, a single plant was selected based on flower colour and plant habit.

Tests and Trials: Tests and trials were conducted in a poly house in the spring of 2008 in St. Thomas, Ontario. There were 15 plants of each variety individually grown in 12 cm plastic pots. All colour measurements were made using the 2001 Royal Horticultural Society Colour Chart.

Comparison table for 'Rap Magna'

	'Rap Magna'	'Rap Burg Two**
<i>Plant height (cm)</i>		
mean	11.8	19.4
std. deviation	1.71	2.57
<i>Petiole length (mm)</i>		
mean	7.4	12.9
std. deviation	1.51	2.96
<i>Corolla diameter (mm)</i>		
mean	19.7	15.6
std. deviation	1.50	0.73
<i>Main corolla colour (RHS)</i>		
upper side	61A apex, 61B base	darker than 71A

*reference variety



Verbena: 'Rap Magna' (left) with reference variety 'Rap Burg Two' (right)

Proposed denomination: 'Raspena'
Trade name: Tukana Raspberry
Application number: 06-5665
Application date: 2006/11/09
Applicant: Syngenta Crop Protection AG, Basel, Switzerland
Agent in Canada: Brenda Cole, BioFlora Inc., St. Thomas, Ontario

Breeder: Har Stemkens, Syngenta Seeds B.V., Enkhuizen, The Netherlands

Variety used for comparison: 'Lan Upmag' (Lanai Upright Magenta)

Summary: *'Raspena' has stronger anthocyanin colouration on the stem than 'Lan Upmag'. The leaf margin incisions of 'Raspena' are crenate shaped while they are dentate in 'Lan Upmag'. 'Raspena' has a pink colour at the tips of the protruding hairs at the opening of the corolla tube while they are white with a pink spot in 'Lan Upmag'. The eye zone of 'Raspena' is smaller than in 'Lan Upmag'. 'Raspena' has a pink eye zone while it is green yellow in 'Lan Upmag'.*

Description:

PLANT: upright growth habit, medium to tall height, narrow width
STEM: light green, medium anthocyanin colouration on middle third

LEAF BLADE: medium length, narrow width, elliptic to ovate shape, cuneate to truncate base, no divisions, crenate margin, medium green on upper side, no anthocyanin colouration on upper side

PETIOLE: short

INFLORESCENCE: medium diameter, broad ovate in profile

CALYX: anthocyanin colouration present on teeth only

COROLLA: small to medium diameter, one colour, shaded colour pattern, lighter colour towards the apex of the lobes, purple red with red at the base on the upper side, strongly fading change in colour with age, blue pink to light blue pink lower side

COROLLA LOBES: touching to overlapping, incurved along longitudinal axis, weak undulation of margin

COROLLA TUBE: short to medium length, tip of protruding hairs is pink

COROLLA EYE: very small to small, pink

Origin and Breeding: 'Raspena' originated from a self pollination of 'D1472-2' conducted during May 2001 at Enkhuizen, The Netherlands. The initial selection was made in May 2002 based on the selection criteria of early flowering time, plant form, and sterility.

Tests and Trials: Tests and trials were conducted in a poly house in the spring of 2008 in St. Thomas, Ontario. There were 15 plants of each variety individually grown in 12 cm plastic pots. All colour measurements were made using the 2001 Royal Horticultural Society Colour Chart.

Comparison table for 'Raspena'

	'Raspena'	'Lan Upmag'*
<i>Main corolla colours (RHS)</i>		
upper side newly opened	N66A with 45B at base	N66A
upper side fully opened	N66A with 46B at base	N66A with N78B at base
lower side	73B-C	64C to 69B

*reference variety



Verbena: 'Raspenna' (left) with reference variety 'LanUpmag' (right)

Proposed denomination:	'Redana'
Trade name:	Tukana Deep Red
Application number:	06-5666
Application date:	2006/11/09
Applicant:	Syngenta Crop Protection AG, Basel, Switzerland
Agent in Canada:	Brenda Cole, BioFlora Inc., St. Thomas, Ontario
Breeder:	Har Stemkens, Syngenta Seeds B.V., Enkhuizen, The Netherlands

Variety used for comparison: 'Scarlena' (Tukana Scarlet)

Summary: *'Redana' has a slightly smaller diameter inflorescence than 'Scarlena'. The corolla lobe of 'Redana' has a weaker undulation of the margin than 'Scarlena'. 'Redana' has a darker red colour at the base of the corolla lobe than 'Scarlena'.*

Description:

PLANT: semi-upright growth habit, short to medium height, medium to wide width

STEM: light green, weak to medium anthocyanin colouration on middle third

LEAF BLADE: short to medium length, very narrow to narrow, lanceolate to ovate shape, cuneate base, no divisions, dentate to serrate margin, medium green on upper side, no anthocyanin colouration on upper side

PETIOLE: very short to short

INFLORESCENCE: medium to large diameter, broad ovate in profile

CALYX: anthocyanin colouration present on teeth only

COROLLA: medium diameter, one colour, shaded colour pattern, lighter colour towards the apex of the lobes, red with dark purple red at the throat on the upper side, weakly fading change in colour with age, red to dark purple red lower side

COROLLA LOBES: free, incurved to straight along longitudinal axis, weak undulation of margin

COROLLA TUBE: long, tip of protruding hairs is light green with a pink spot

COROLLA EYE: absent

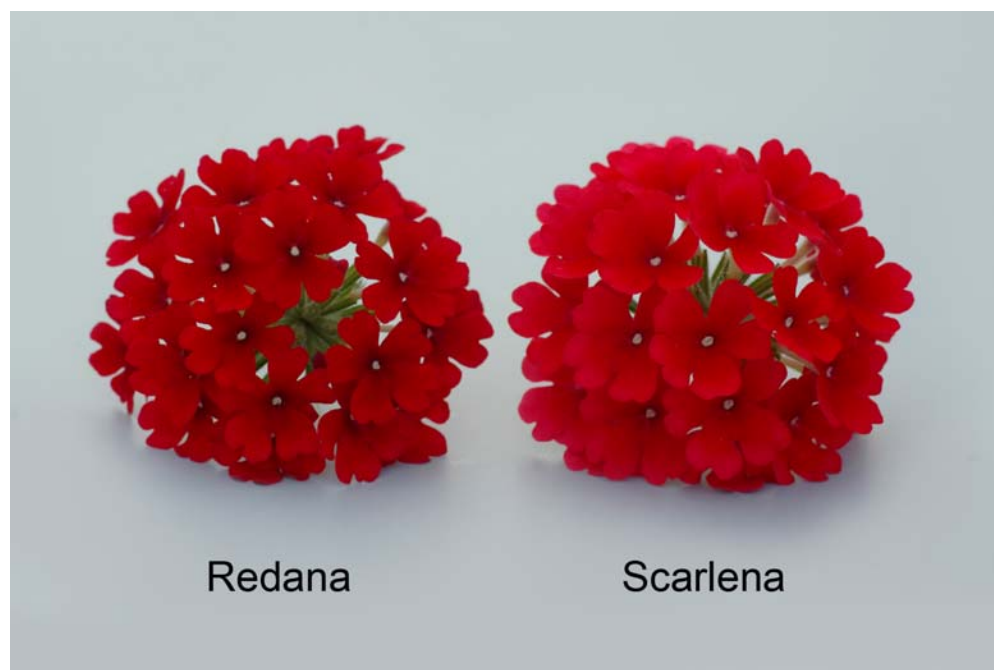
Origin and Breeding: 'Redana' originated from a mutation of the verbena hybrida variety 'Scarlana' discovered in May 2001 in Enkhuizen, The Netherlands. 'Redana' was selected as a single plant in May 2001 based on flower colour and mildew tolerance.

Tests and Trials: Tests and trials were conducted in a poly house in the spring of 2008 in St. Thomas, Ontario. There were 15 plants of each variety individually grown in 12 cm plastic pots. All colour measurements were made using the 2001 Royal Horticultural Society Colour Chart.

Comparison table for 'Redana'

	'Redana'	'Scarlana'*
<i>Inflorescence diameter (cm)</i>		
mean	5.9	6.5
std. deviation	0.34	0.37
<i>Main corolla colour (RHS)</i>		
upper side	45B-45A with 46A at throat	more orange than 45B with 45A at base
lower side	47B-C	50B

*reference variety



Verbena: 'Redana' (left) with reference variety 'Scarlana' (right)

Proposed denomination: 'Scarabee'
Trade name: Fuego Orange Red
Application number: 07-5980
Application date: 2007/07/19
Applicant: Syngenta Crop Protection AG, Basel, Switzerland
Agent in Canada: Brenda Cole, BioFlora Inc., St. Thomas, Ontario
Breeder: Jurgen Weiss, Goch, Germany

Varieties used for comparison: 'Scarlana' (Tukana Scarlet) and 'Sunmarired' (Temari Red)

Summary: *'Scarabee'* has a less upright growth habit than *'Sunmarired'*. The plant of *'Scarabee'* is shorter than *'Scarlana'* and *'Sunmarired'*. *'Scarabee'* has a smaller diameter inflorescence than *'Scarlana'*. The corolla lobe of *'Scarabee'* has stronger undulation of the margin than the reference varieties. *'Scarabee'* has no eye zone while *'Sunmarired'* does.

Description:

PLANT: creeping to semi-upright growth habit, short height, narrow to medium width

STEM: light green, weak to medium anthocyanin colouration on middle third

LEAF BLADE: short, very narrow to narrow, lanceolate to ovate shape, cuneate base, no divisions, dentate margin, medium green on upper side, no anthocyanin colouration on upper side

PETIOLE: short

INFLORESCENCE: medium diameter, broad ovate in profile

CALYX: no anthocyanin colouration

COROLLA: medium diameter, one colour, shaded colour pattern, lighter colour towards the apex of the lobes, red (RHS 45B) upper side, strongly fading change in colour with age, dark pink red (RHS 50B) fading to white on lower side

COROLLA LOBES: free to touching, incurved to straight along longitudinal axis, strong undulation of margin

COROLLA TUBE: medium to long length, tip of protruding hairs is light green with a pink spot

COROLLA EYE: absent

Origin and Breeding: *'Scarabee'* was discovered as a chance seedling of an unknown verbena hybrida in June 2001 in Kleve, Germany. *'Scarabee'* was selected as a single plant in 2002, in Enkhuizen, The Netherlands based on flower colour, floriferousness and plant habit.

Tests and Trials: Tests and trials were conducted in a poly house in the spring of 2008 in St. Thomas, Ontario. There were 15 plants of each variety individually grown in 12 cm plastic pots. All colour measurements were made using the 2001 Royal Horticultural Society Colour Chart.

Comparison table for *'Scarabee'*

	<i>'Scarabee'</i>	<i>'Scarlana'</i> *	<i>'Sunmarired'</i> *
<i>Plant height (cm)</i>			
mean	12.1	18.7	16.2
std. deviation	1.77	1.71	1.53
<i>Inflorescence diameter (cm)</i>			
mean	5.4	6.5	5.9
std. deviation	0.27	0.37	0.42

*reference varieties



Verbena: 'Scarabee' (left) with reference varieties 'Scarlena' (centre) and 'Sunmarired' (right)