



APPLICATIONS UNDER EXAMINATION

LANTANA

LANTANA
(Lantana camara)

Proposed denomination: 'Balandplo'
Trade name: Landmark Pink Glow
Application number: 08-6200
Application date: 2008/02/28
Applicant: Ball Horticultural Company, West Chicago, Illinois, United States of America
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Leslie Heffron, Arroyo Grande, California, United States of America

Variety used for comparison: 'Balandroglim' (Landmark Rose Glow Improved)

Summary: *The peduncles and florets of 'Balandplo' are longer than those of 'Balandroglim'. The apex of the corolla lobes of 'Balandplo' are obtuse while those of 'Balandroglim' are cuspidate. 'Balandplo' has medium undulation of the corolla lobe margin while 'Balandroglim' has weak undulation of the margin. The newly opened florets and mature florets of 'Balandplo' differ in colour from those of 'Balandroglim'.*

Description:

PLANT: semi-erect growth habit
 STEM: weak pubescence

LEAF BLADE: ovate, acute apex, cuneate and rounded base, dentate margin, medium intensity of green colour on upper surface, medium pubescence on upper surface, sparse pubescence on lower surface
 PETIOLE: present

INFLORESCENCE: both axillary and terminal location, domed profile, more than two colours
 FLORET: yellow orange (RHS 16A) when newly opened, violet (RHS 75B) overlaid with blue pink (RHS 64C) and margins fading to orange pink (RHS 27A) when mature, yellow orange eye present
 COROLLA LOBES: free arrangement, obtuse apex, mostly incurved to recurving with age in longitudinal axis, medium undulation of margin

Origin and Breeding: 'Balandplo' originated from a self-pollination conducted in April 2004, at Arroyo Grande, California, U.S.A. as part of a controlled breeding program. The female parent was the variety 'New Red', characterized by its dark red-orange bicoloured flower colour, dark green foliage, and vigorous and mounded growth habit. 'Balandplo' was selected in January 2005 based on its flower colour, growth habit and early flowering.

Tests and Trials: Trials for 'Balandplo' were conducted in a polyhouse during the spring of 2009 in St. Thomas, Ontario. The trial included a total of 15 plants each of the candidate and reference varieties. All plants were grown from rooted cuttings and transplanted into 15 cm pots on May 7, 2009. Observations and measurements were taken from 10 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 'Balandplo'

	'Balandplo'	'Balandroglim'*
<i>Peduncle length (cm)</i>		
mean	6.8	4.6
std. deviation	0.98	1.23
<i>Floret length (mm)</i>		
mean	11.9	9.7
std. deviation	0.33	1.22

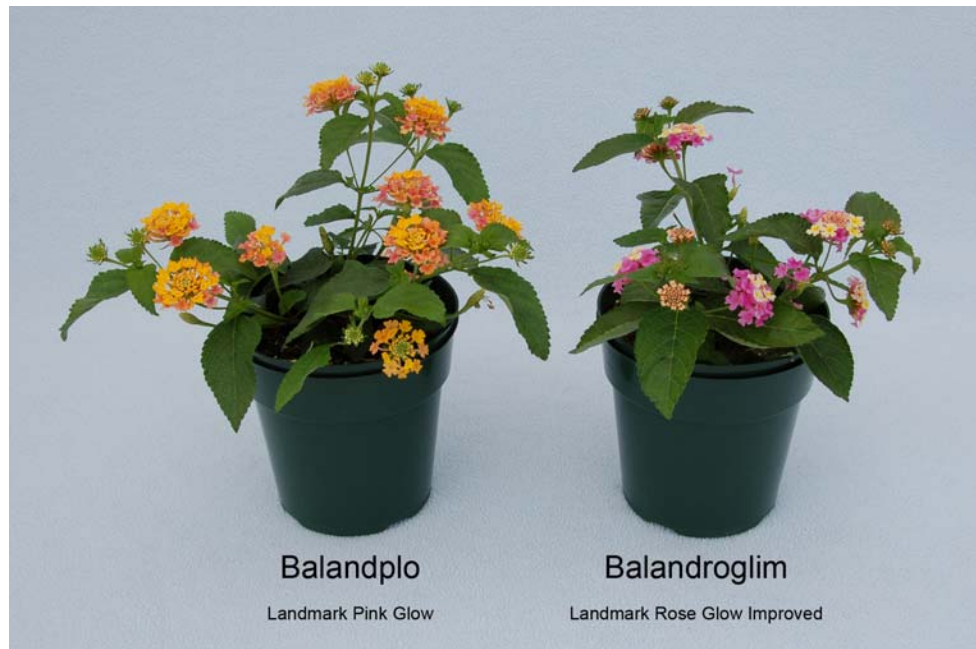
Colour of corolla lobes (RHS)

newly opened floret
mature floret

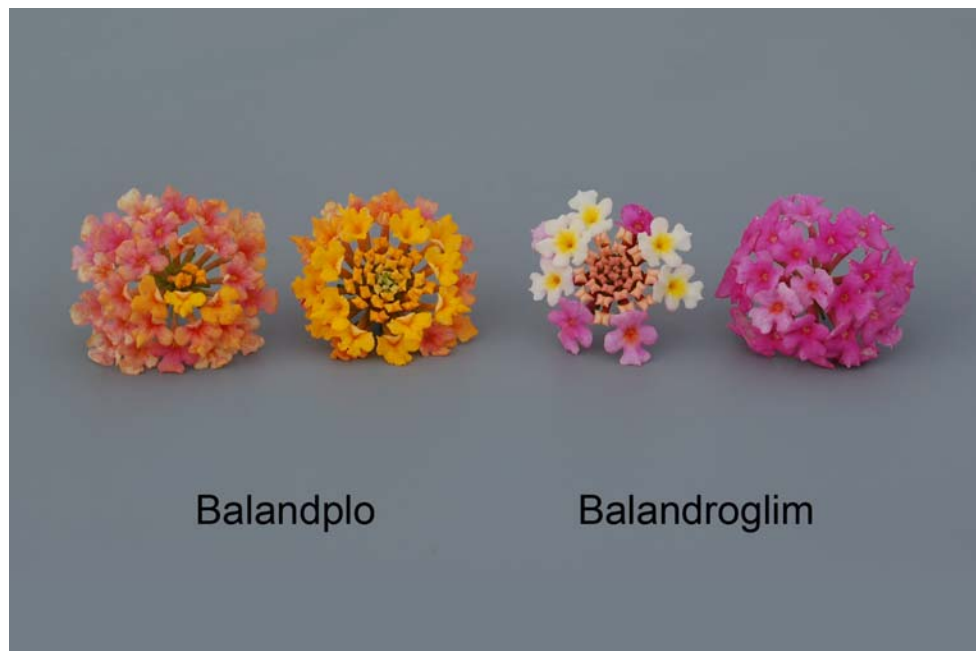
16A
75B overlaid with 64C with 64C at
center and margins fading to 27A

2D with 9A eye
N74B-C

*reference variety



Lantana: 'Balandplo' (left) with reference variety 'Balandroglim' (right)



Lantana: 'Balandplo' (left) with reference variety 'Balandroglim' (right)

Proposed denomination:	'Bant Pin09'
Trade name:	Bandana Pink 09
Application number:	07-6091
Application date:	2007/12/24
Applicant:	Syngenta Crop Protection AG, Basel, Switzerland
Agent in Canada:	BioFlora Inc., St. Thomas, Ontario
Breeder:	Shifeng Pan, Goldsmith Seeds Inc., Hollister, California, United States of America

Varieties used for comparison: 'Bante Rossa' (Bandana Rose) and 'Balandroglim' (Landmark Rose Glow Improved)

Summary: *The plants of 'Bant Pin09' are shorter than those of 'Bante Rossa' and taller than those of 'Balandroglim'. 'Bant Pin09' has shorter leaf blades than both reference varieties. The petioles of 'Bant Pin09' are shorter than those of 'Bante Rossa'. 'Bant Pin09' has longer peduncles than both reference varieties. The inflorescence of 'Bant Pin09' have a smaller diameter than those of 'Bante Rossa' and a larger diameter than those of 'Balandroglim'. 'Bant Pin09' has light yellow orange flower buds while 'Bante Rossa' has orange pink buds and 'Balandroglim' has red pink buds. The corolla lobes of 'Bant Pin09' are touching with obtuse apex while those of 'Balandroglim' are free with cuspidate apex. 'Bant Pin09' has medium undulation of the corolla lobe margins while 'Balandroglim' has weak undulation of the margin.*

Description:

PLANT: erect growth habit

STEM: sparse pubescence

LEAF BLADE: ovate, acute apex, cuneate and rounded base, serrate margin, medium intensity of green colour on upper side, moderate pubescence on upper side, sparse pubescence on lower side

PETIOLE: present

FLORET BUD: light yellow orange (RHS 19B)

INFLORESCENCE: both axillary and terminal location, domed in profile, more than two colours

FLORET: yellow green (RHS 2D-4C) with yellow (RHS 9A) eye when newly opened, blue pink (RHS 72D-N74C) when mature, orange eye with red at transition present

COROLLA LOBES: touching arrangement, obtuse apex, incurved in longitudinal axis, medium undulation of margin

Origin and Breeding: 'Bant Pin09' originated from a hybrid cross between the female parent proprietary line '5-1' and the male parent proprietary line '44-1' conducted in July 2004. The new Lantana was developed by the breeder Shifeng Pan, in Gilroy, California, United States, as part of a planned breeding program. The resultant seed from the cross was sown in a greenhouse in November 2004. In May 2005, a single plant from the progeny was selected by the breeder based on flower colour and plant growth habit.

Tests and Trials: Trials for 'Bant Pin09' were conducted in a polyhouse during the spring of 2009 in St. Thomas, Ontario. The trial included a total of 15 plants each of the candidate and reference varieties. All plants were grown from rooted cuttings transplanted into 15 cm pots on May 7, 2009. Observations and measurements were taken from 10 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 'Bant Pin09'

	'Bant Pin09'	'Bante Rossa' *	'Balandroglim' *
<i>Plant height (cm)</i>			
mean	18.6	22.5	16.2
std. deviation	1.43	2.47	1.29
<i>Leaf blade length (cm)</i>			
mean	5.9	7.6	7.3
std. deviation	0.49	0.67	0.60
<i>Petiole length (cm)</i>			
mean	1.1	1.6	1.0
std. deviation	0.22	0.15	0.26

<i>Peduncle length (cm)</i>			
mean	6.6	5.2	4.6
std. deviation	1.16	0.96	1.23
<i>Inflorescence diameter (cm)</i>			
mean	4.7	5.5	3.9
std. deviation	0.30	0.31	0.24
<i>Colour of floret (RHS)</i>			
bud	19B	37B	43D

*reference varieties



Lantana: 'Bant Pin09' (left) with reference varieties 'Bante Rossa' (center) and 'Balandroglim' (right)



Lantana: 'Bant Pin09' (left) with reference varieties 'Bante Rossa' (center) and 'Balandroglim' (right)

Proposed denomination: 'Bant Tragol'
Trade name: Bandana Trailing Gold
Application number: 07-6093
Application date: 2007/12/24
Applicant: Syngenta Crop Protection AG, Basel, Switzerland
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Shifeng Pan, Goldsmith Seeds Inc., Hollister, California, United States of America

Variety used for comparison: 'Balandgold' (Landmark Gold)

Summary: *The leaf blades of 'Bant Tragol' are smaller than those of 'Balandgold'. The inflorescence of 'Bant Tragol' is smaller in diameter than that of 'Balandgold'.*

Description:

PLANT: growth habit ranging from semi-erect to spreading

STEM: sparse pubescence

LEAF BLADE: ovate, acute apex, obtuse base, dentate margin, medium intensity of green colour on upper side, medium pubescence on upper side, sparse pubescence on lower side

PETIOLE: present

INFLORESCENCE: both axillary and terminal locations, domed profile, one coloured

FLORET: yellow orange (more yellow than RHS 14A) when newly opened, yellow orange (RHS 14A-15A) when mature, no eye

COROLLA LOBES: free arrangement, obtuse apex, recurved longitudinal axis, medium undulation of margin

Origin and Breeding: 'Bant Tragol' originated from a selfed cross of the proprietary plant designated '9-2' conducted in July 2004 in Gilroy, California, United States. The new Lantana was developed by the breeder Shifeng Pan as part of a planned breeding program. The resultant seed was sown in a greenhouse in November 2004. In May 2005, a single plant from the progeny was selected by the breeder based on flower colour, decreased seed production and plant growth habit.

Tests and Trials: Trials for 'Bant Tragol' were conducted in a polyhouse during the spring of 2009 in St. Thomas, Ontario. The trial included a total of 15 plants each of the candidate and reference varieties. All plants were grown from rooted cuttings and transplanted into 15 cm pots on May 7, 2009. Observations and measurements were taken from 10 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 'Bant Tragol'

	'Bant Tragol'	'Balandgold'*
<i>Leaf blade length (cm)</i>		
mean	3.7	4.6
std. deviation	0.25	0.30
<i>Leaf blade width (cm)</i>		
mean	2.2	3.4
std. deviation	0.10	0.17
<i>Inflorescence diameter (cm)</i>		
mean	3.2	3.9
std. deviation	0.20	0.23

*reference variety



Lantana: 'Bant Tragol' (left) with reference variety 'Balandgold' (right)



Lantana: 'Bant Tragol' (left) with reference variety 'Balandgold' (right)