



APPLICATIONS UNDER EXAMINATION

OSTEOSPERMUM

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(Osteospermum ecklonis)

Proposed denomination: 'Balserdarp'
Trade name: Serenity Dark Purple
Application number: 08-6202
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: Linda Laughner, Ball Horticultural Company, Santa Paula, California, United States of America

Variety used for comparison: 'Oste Deeppur' (Tradewinds Deep Purple)

Summary: *The plants of 'Balserdarp' are shorter with wider leaves than those of 'Oste Deeppur'. The leaves of 'Balserdarp' have shallow margin indentations while those of 'Oste Deeppur' have medium depth indentations. The lower side of the ray florets of 'Balserdarp' is light blue pink to light blue violet with violet longitudinal stripes while it is purple with dark violet longitudinal stripes for 'Oste Deeppur'.*

Description:

PLANT SHOOTS: erect to semi-erect

LEAF: shallow margin indentations, no variegation, medium green on upper side

FLOWER: no paracorolla

RAY FLORET: rounded apex, no inward rolling of longitudinal margins, one colour on upper side, purple (RHS 72A-71A) on upper side, even colour with stipes on upper side, light blue pink to light blue violet (RHS 69A-C) with violet (RHS 77B-C) longitudinal stripes on lower side

DISC: dark blue

Origin and Breeding: 'Balserdarp' originated from a cross pollination between the female proprietary breeding selection 231-60p-1 and the male proprietary breeding selection 285-2 conducted in August 2005, at Santa Paula, California, United States. Selection of 'Balserdarp' was made in February 2006 based on pedicel length, branching characteristics, growth habit and flowering that best matched the 'Serenity' series. Asexual propagation since its selection has been through vegetative cuttings.

Tests and Trials: Trials for 'Balserdarp' 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 11 cm pots on March 31, 2009. Observations and measurements were taken from 10 plants of each variety on June 1, 2009. All colour determinations were made using the 2001 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'Balserdarp'

	'Balserdarp'	'Oste Deeppur'*
<i>Plant height (cm)</i>		
mean	24.4	29.3
std. deviation	1.53	1.84
<i>Leaf width (cm)</i>		
mean	2.9	2.1
std. deviation	0.28	0.24

Colour of ray floret (RHS)

lower side

69A-C with longitudinal stripes of 77B-C

70B with longitudinal stripes of N79A

*reference variety



Osteospermum: 'Balserdarp' (left) with reference variety 'Oste Deeppur' (right)



Osteospermum: 'Balserdarp' (left) with reference variety 'Oste Deeppur' (right)



Osteospermum: 'Balserdarp' (left) with reference variety 'Oste Deeppur' (right)

Proposed denomination:	'Balserrilla'
Trade name:	Serenity Vanilla
Application number:	08-6204
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:	Linda Laughner, Ball Horticultural Company, Santa Paula, California, United States of America

Varieties used for comparison: 'KLEOE05521' (Flower Power Ivory) and 'Sunny Henry'

Summary: *The plants and leaves of 'Balserrilla' are shorter than those of both reference varieties. 'Balserrilla' has leaves with shallow margin indentations while both reference varieties have leaves with medium deep margin indentations. 'Balserrilla' has more ray florets per flower than both reference varieties. 'Balserrilla' has smaller flowers than 'KLEOE05521' and larger flowers than 'Sunny Henry'. The lower sides of the ray florets of 'Balserrilla' are very light yellow to light yellow while those of 'Sunny Henry' are medium yellow to dark yellow. 'Balserrilla' has larger discs than 'Sunny Henry'. The discs of 'Balserrilla' are light grey while those of both reference varieties are medium grey green with light blue tones.*

Description:

PLANT: semi-erect

LEAF: shallow margin indentations, no variegation, medium green on upper side

FLOWER: no paracorolla

RAY FLORET: rounded apex, no inward rolling of longitudinal margins, one colour on upper side, even white colour distribution on upper side, lower side is very light yellow with darker yellow middle zone

DISC: light grey

Origin and Breeding: 'Balserrilla' originated from the cross pollination between the female proprietary breeding selection 224-10p-1 and the male proprietary breeding selection 172-2-3-2 conducted in August 2005, at Santa Paula, California, United States. Selection of 'Balserrilla' was made in February 2006 based on flower colour, growth habit and flowering that best matched the 'Serenity' series. Asexual propagation since its selection has been through vegetative cuttings.

Tests and Trials: Trials for ‘Balserilla’ 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 11 cm pots on March 31, 2009. Observations and measurements were taken from 10 plants of each variety on June 1, 2009, with the exception of ‘KLEOE05521’ which was measured on June 25, 2009. All colour determinations were made using the 2001 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for ‘Balserilla’

	‘Balserilla’	‘KLEOE05521’*	‘Sunny Henry’*
<i>Plant height (cm)</i>			
mean	8.4	31.2	19.0
std. deviation	0.90	1.89	1.28
<i>Leaf length (cm)</i>			
mean	5.2	6.4	6.3
std. deviation	0.29	0.38	0.69
<i>Number of ray florets per flower</i>			
mean	25.3	20.5	17.2
std. deviation	1.42	1.96	3.52
<i>Flower diameter (cm)</i>			
mean	6.8	7.4	5.3
std. deviation	0.42	0.40	0.51
<i>Disc diameter (cm)</i>			
mean	1.5	1.2	1.0
std. deviation	0.21	0.12	0.10

*reference varieties



Osteospermum: ‘Balserilla’ (left) with reference varieties ‘KLEOE05521’ (center) and ‘Sunny Henry’ (right)



Osteospermum: 'Balserilla' (left) with reference varieties 'KLEOE05521' (center) and 'Sunny Henry' (right)



Osteospermum: 'Balserilla' (left) with reference varieties 'KLEOE05521' (center) and 'Sunny Henry' (right)

Proposed denomination: 'Balserpinkim'
Trade name: Serenity Pink Improved
Application number: 08-6203
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: Linda Laughner, Ball Horticultural Company, Santa Paula, California, United States of America

Variety used for comparison: 'Osjotis' (Soprano Light Purple)

Summary: *The flowers of 'Balserpinkim' are larger than those of 'Osjotis'. The middle zone of the lower side of the ray florets of 'Balserpinkim' is violet to brown violet while it is purple to blue violet for 'Osjotis'.*

Description:

PLANT: erect to semi-erect

LEAF: shallow to medium depth margin indentations, no variegation, medium green on upper side

FLOWER: no paracorolla

RAY FLORET: rounded apex, no inward rolling of longitudinal margins, violet (RHS 77C-D) at apex fading to white towards base when newly opened, violet (RHS 77B) basal zone when fully opened, two colours on upper side, upper side is blue pink (RHS N74C) with white along base margins when fully opened, violet to brown violet middle zone on lower side

DISC: blue/purple

Origin and Breeding: 'Balserpinkim' originated from a self-pollination of the proprietary breeding selection 160-4,7-op-2 conducted in May 2005, at Santa Paula, California, United States. Selection of 'Balserpinkim' was made in February 2006 based on growth habit and flowering that best matches the 'Serenity' series. Asexual propagation since its selection has been through vegetative cuttings.

Tests and Trials: Trials for 'Balserpinkim' 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 11 cm pots on March 31, 2009. Observations and measurements were taken from 10 plants of each variety June 1, 2009. All colour determinations were made using the 2001 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'Balserpinkim'

	'Balserpinkim'	'Osjotis'*
<i>Flower diameter (cm)</i>		
mean	7.4	6.5
std. deviation	0.35	0.22

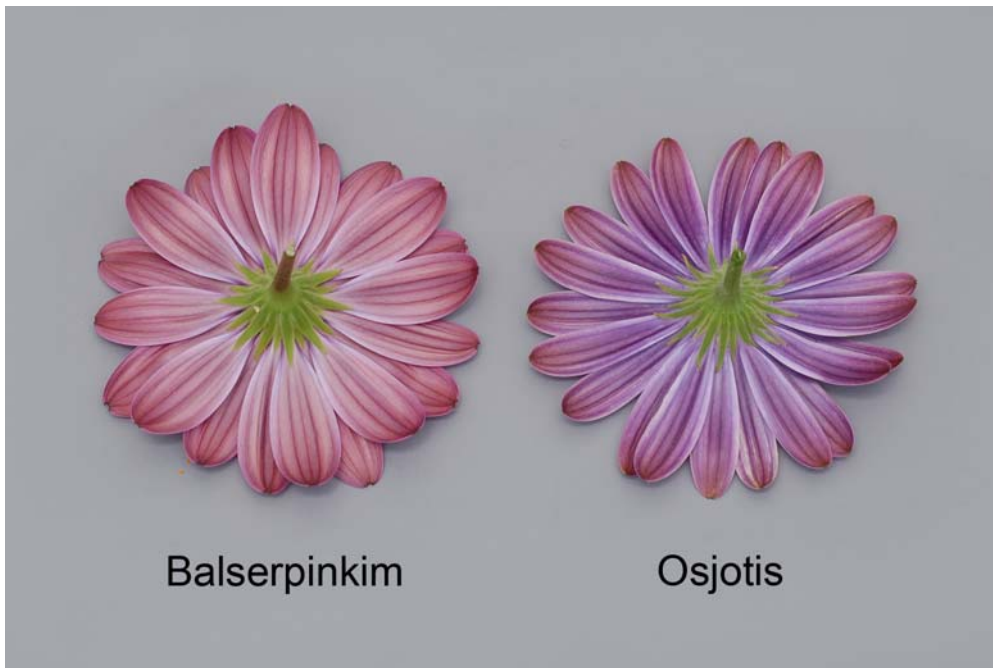
*reference variety



Osteospermum: 'Balserpinkim' (left) with reference variety 'Osjotis' (right)



Osteospermum: 'Balserpinkim' (left) with reference variety 'Osjotis' (right)



Osteospermum: 'Balserpinkim' (left) with reference variety 'Osjotis' (right)