



APPLICATIONS UNDER EXAMINATION

PENSTEMON

PENSTEMON
(Penstemon hartwegii)

Proposed denomination: 'Peni Ablos09'
Trade name: Phoenix Appleblossom 09
Application number: 07-6108
Application date: 2007/12/24
Applicant: Goldsmith Seeds, Inc., Gilroy, California, United States of America
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Jason Jandrew, Goldsmith Seed Inc., Mountain View, California, United States of America

Variety used for comparison: 'Penharwi' (Artist Bell White)

Summary: 'Peni Ablos09' has a shorter plant height than 'Penharwi'. 'Peni Ablos09' has a longer and wider leaf blade than 'Penharwi'. 'Peni Ablos09' has lighter blue pink secondary colour on the inner side of the lower corolla lobe than 'Penharwi'.

Description:

PLANT: upright growth habit

STEM: very sparse pubescence, no anthocyanin colouration

LEAF: opposite arrangement, ovate to lanceolate, acute apex, entire margin, upper side medium green with weak glossiness, no petiole

FLOWER: thyrse flower formation, terminal and axillary in position

CALYX: no anthocyanin colouration, dense pubescence, sepal ovate in shape with entire margin

COROLLA: trumpet shaped, upper and lower lobe white on inner side with blue pink to light blue pink (RHS 65A-B) secondary colour at margin, outer side white with purple to blue pink (RHS 70B-C) secondary colour at base of corolla tube

COROLLA TUBE: inner side white, no markings

Origin and Breeding: 'Peni Ablos09' originated from a cross made in July 2005 in Gilroy, California, USA. The female parent was a proprietary seedling, designated 11-1, with rose coloured flowers and the male parent was a proprietary seedling, designated 104-1, with light pink coloured flowers. The resultant seed was sown in a greenhouse in October 2005 and in April 2006, a single plant from the progeny was selected by the breeder based on flower colour, flower quality and compact plant habit.

Tests and Trials: Trials for 'Peni Ablos09' were conducted in a poly-house during the 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 April 21, 2009. Observations and measurements were taken from ten plants of each variety on July 22, 2009. All colour determinations were made using the 2001 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'Peni Ablos09'

	'Peni Ablos09'	'Penharwi**'
<i>Plant height (cm)</i>		
mean	60.2	68.2
std. deviation	4.98	3.47
<i>Leaf length (cm)</i>		
mean	13.2	11.0
std. deviation	0.82	1.07
<i>Leaf width (cm)</i>		
mean	5.4	4.0
std. deviation	0.60	0.28

Colour of corolla lobes (RHS)

inner side - secondary

65A-B

68A-B

*reference variety



Penstemon: 'Peni Ablos09' (left) with reference variety 'Penharwi' (right)



Penstemon: 'Peni Ablos09' (left) with reference variety 'Penharwi' (right)



Penstemon: 'Peni Ablos09' (left) with reference variety 'Penharwi' (right)

Proposed denomination: 'Peni Mag09'
Trade name: Phoenix Magenta 09
Application number: 07-6110
Application date: 2007/12/24
Applicant: Goldsmith Seeds, Inc., Gilroy, California, United States of America
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Jason Jandrew, Goldsmith Seed Inc., Mountain View, California, United States of America

Variety used for comparison: 'Penharcar' (Artist Bell Carmine Frost)

Summary: 'Peni Mag09' has a longer and wider leaf blade than 'Penharcar'. The apex of the leaf blade is acute for 'Peni Mag09' while it is acuminate for 'Penharcar'. 'Peni Mag09' has weaker anthocyanin colouration in the calyx than 'Penharcar'. The lower side of the corolla is purple for 'Peni Mag09' while it is dark purple red for 'Penharcar'. 'Peni Mag09' has no markings on the inner side of the corolla tube while 'Penharcar' has purple markings present.

Description:

PLANT: upright growth habit

STEM: sparse pubescence, very weak to weak anthocyanin colouration

LEAF: opposite arrangement, lanceolate, acute apex, entire margin, upper side medium green with weak glossiness, no petiole

FLOWER: thyrse flower formation, terminal and axillary in position

CALYX: weak anthocyanin colouration at margin and base, dense pubescence, sepal elliptic in shape with entire margin

COROLLA: trumpet shaped, upper and lower lobe purple (RHS 71B-C) on inner side with white secondary colour at transition to corolla tube, no markings on inner side, outer side purple (RHS 71B) with white secondary colour

COROLLA TUBE: inner side white, no markings

Origin and Breeding: 'Peni Mag09' originated from a cross made in July 2005 in Gilroy, California, USA. The female parent was a proprietary seedling, designated 11-2, with rose coloured flowers and the male parent was a proprietary seedling, designated 104-1, with light pink coloured flowers. The resultant seed was sown in a greenhouse in October 2005 and in April 2006, a single plant from the progeny was selected by the breeder based on flower colour, flower quality and compact plant habit.

Tests and Trials: Trials for 'Peni Mag09' were conducted in a poly-house during the 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 April 21, 2009. Observations and measurements were taken from ten plants of each variety on July 22, 2009. All colour determinations were made using the 2001 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'Peni Mag09'

	'Peni Mag09'	'Penharcar'*
<i>Leaf length (cm)</i>		
mean	10.1	8.6
std. deviation	0.75	0.60
<i>Leaf width (cm)</i>		
mean	4.1	3.2
std. deviation	0.26	0.25
<i>Colour of corolla lobes (RHS)</i>		
inner side - main	71B-C	61B and 71B
inner side - secondary	white	white with N74A
inner side - markings	N/A	71B
outer side - main	71B, fading to white	60B, fading to white

*reference variety



Penstemon: 'Peni Mag09' (left) with reference variety 'Penharcar' (right)



Penstemon: 'Peni Mag09' (left) with reference variety 'Penharcar' (right)



Penstemon: 'Peni Mag09' (left) with reference variety 'Penharcar' (right)

Proposed denomination: 'Peni Vio09'
Trade name: Phoenix Violet 09
Application number: 07-6112
Application date: 2007/12/24
Applicant: Goldsmith Seeds, Inc., Gilroy, California, United States of America
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Jason Jandrew, Goldsmith Seed Inc., Mountain View, California, United States of America

Variety used for comparison: 'Penharvio' (Artist Bell Violet Frost)

Summary: *'Peni Vio09' has a shorter plant height than 'Penharvio'. 'Peni Vio09' has a longer and wider leaf than 'Penharvio'. 'Peni Vio09' has a darker violet colour on the inner side of the corolla lobe than 'Penharvio'. The outer side of the corolla lobe is purple while it is violet with white tones for 'Penharvio'. The dorsal side of the corolla tube is purple for 'Peni Vio09' while it is violet for 'Penharvio'.*

Description:

PLANT: upright growth habit

STEM: sparse pubescence, no anthocyanin colouration

LEAF: opposite arrangement, lanceolate, acute apex, entire margin, upper side medium green with weak glossiness, no petiole

FLOWER: thyrse flower formation, terminal and axillary in position

CALYX: medium to strong anthocyanin colouration along margin, dense pubescence, sepal ovate in shape with entire margin

COROLLA: trumpet shaped, upper and lower lobe red-violet (redder than RHS N81A) on inner side with white secondary colour at transition to corolla tube, no markings on inner side, outer side purple (RHS 71A and 72A) with white secondary colour

COROLLA TUBE: inner side white with no markings, outer side purple (RHS 71C)

Origin and Breeding: ‘Peni Vio09’ originated from a cross made in July 2005 in Gilroy, California, USA. The female parent was a proprietary seedling, designated 14-1, with violet flowers and the male parent was a proprietary seedling, designated 104-1, with light pink coloured flowers. The resultant seed was sown in a greenhouse in October 2005 and in April 2006, a single plant from the progeny was selected by the breeder based on flower colour, flower quality and compact plant habit.

Tests and Trials: Trials for ‘Peni Vio09’ were conducted in a poly-house during the 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 April 21, 2009. Observations and measurements were taken from ten plants of each variety on July 22, 2009. All colour determinations were made using the 2001 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for ‘Peni Vio09’

	‘Peni Vio09’	‘Penharvio’*
<i>Plant height (cm)</i>		
mean	61.5	69.3
std. deviation	2.51	3.70
<i>Leaf length (cm)</i>		
mean	13.6	10.9
std. deviation	0.33	0.71
<i>Leaf width (cm)</i>		
mean	5.1	4.0
std. deviation	0.36	0.39
<i>Main colour of corolla lobes (RHS)</i>		
inner side	N81A (redder than)	N81A, aging to N82A
outer side	71A and 72A	N80B-C with white tones
<i>Colour of corolla tube (RHS)</i>		
dorsal surface	71C	77C-D

*reference variety



Penstemon: 'Peni Vio09' (left) with reference variety 'Penharvio' (right)



Penstemon: 'Peni Vio09' (left) with reference variety 'Penharvio' (right)



Penstemon: 'Peni Vio09' (left) with reference variety 'Penharvio' (right)