



APPLICATIONS UNDER EXAMINATION

PHLOX

PHLOX

(*Phlox paniculata*)

Proposed denomination: 'Ditoicream'
Application number: 19-9749
Application date: 2019/04/10
Applicant: Ditoplant Export B.V., Noordwijkerhout, Netherlands
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Ditoplant Export B.V., Noordwijkerhout, Netherlands

Variety used for comparison: 'Snowy'

Summary: *The leaf blade of 'Ditoicream' is narrow while that of 'Snowy' is of medium width. In cross-section, the leaf blade of 'Ditoicream' is convex while that of 'Snowy' is concave. The anthocyanin colouration on the calyx of 'Ditoicream' is of medium intensity while it is absent or weak for that of 'Snowy'. The corolla tube of 'Ditoicream' is medium length and white with a pink flush while that of 'Snowy' is medium to long and white throughout.*

Description:

PLANT: short

STEM: medium thickness at middle third, absent or very weak intensity of anthocyanin colouration, short internode length at middle third

LEAF: medium length, narrow, moderately elongated length to width ratio, broadest part at middle, convex in cross-section, acuminate apex, no variegation, absent or weak intensity of anthocyanin colouration on upper side, absent or weak undulation of margin

INFLORESCENCE: few flowers

PEDICEL: medium length, absent or weak intensity of anthocyanin colouration

PERIANTH: present

CALYX: long, medium intensity of anthocyanin colouration

COROLLA: medium to large diameter

COROLLA LOBE: medium length, broad, oblate shape

COROLLA LOBE (INNER SIDE): mainly white (RHS NN155B), no secondary colour, no eye

COROLLA TUBE: medium length, medium diameter just below lobes, mainly white (RHS 155A) with a pink flush on outer side

ANTHER: light yellow to white

STYLE: light yellow

Origin and Breeding: 'Ditoicream' was bred and developed by the breeder at Ditoplant Export B.V., in Noordwijkerhout, Netherlands. It originated from a cross that occurred in July 2011 between the female parent variety '2007014' and an unknown male parent in Noordwijkerhout, Netherlands. Seeds were harvested and sown in January 2012, and from the resulting progeny, a single unique plant was selected in July 2012 based on its compact plant growth habit, strong stem strength, leaf characteristics including dark green colour, and poor seed production/seed sterility.

Tests and Trials: The detailed description of 'Ditoicream' is based on the UPOV report of Technical Examination, application number 2017/1054, purchased from the Community Plant Variety Office in Angers, France. The trial was conducted at the Naktuinbouw Variety Center in Roelofarendsveen, Netherlands, in 2018. The colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'Ditoicream'

	'Ditoicream'	'Snowy'*
<i>Colour of corolla tube (RHS)</i>		
outer side	155A with pink flush	155A

*reference variety



Phlox: 'Ditoicream'



Phlox: 'Ditoicream'



Phlox: 'Ditoicream'

Proposed denomination: 'PHMZ0004'
Application number: 20-10098
Application date: 2020/02/20
Applicant: Ditoplant Export B.V., Noordwijkerhout, Netherlands
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Ditoplant Export B.V., Noordwijkerhout, Netherlands

Variety used for comparison: 'Alexandra'

Summary: *In cross-section, the leaf blade of 'PHMZ0004' is straight to convex while that of 'Alexandra' is concave. The anthocyanin colouration on the leaf of 'PHMZ0004' is of medium intensity while it is absent or weak for that of 'Alexandra'. The inner side of the corolla lobe of 'PHMZ0004' has no eye while that of 'Alexandra' has an eye present.*

Description:

PLANT: short to medium height

STEM: medium thickness at middle third, strong intensity of anthocyanin colouration, very long internode length at middle third

LEAF: short, narrow to medium width, moderately elongated length to width ratio, broadest part at apex, straight to convex in cross-section, acuminate apex, no variegation, medium intensity of anthocyanin colouration on upper side, absent or weak undulation of margin

INFLORESCENCE: medium to many flowers

PEDICEL: medium length, medium intensity of anthocyanin colouration

PERIANTH: present

CALYX: long, strong intensity of anthocyanin colouration

COROLLA: medium to large diameter

COROLLA LOBE: medium length, broad, oblate shape

COROLLA LOBE (INNER SIDE): between medium purple red (RHS N66A) and medium purple (RHS 67A), no secondary colour, no eye

COROLLA TUBE: medium to long, medium diameter just below lobes, dark purple red (RHS 59B) on outer side

ANTHER: light yellow

STYLE: purple red

Origin and Breeding: 'PHMZ0004' was bred and developed by the breeder at Ditoplant Export B.V., in Noordwijkerhout, Netherlands. It originated from an open pollinated cross that occurred in the summer of 2012 between two unknown seedlings in Noordwijkerhout, Netherlands. Seeds were harvested and sown in December 2012 and from the resulting progeny, a single unique plant was selected in the summer of 2016 based on its plant height, dense branching and red purple flowers.

Tests and Trials: The detailed description of 'PHMZ0004' is based on the UPOV report of Technical Examination, application number 2020/0179, purchased from the Community Plant Variety Office in Angers, France. The trial was conducted at the Naktuinbouw Variety Center in Roelofarendsveen, Netherlands, in 2021. The colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart.



Phlox: 'PHMZ0004'



Phlox: 'PHMZ0004'



Phlox: 'PHMZ0004'

Proposed denomination: 'PHMZ0005'
Application number: 20-10099
Application date: 2020/02/20
Applicant: Ditoplant Export B.V., Noordwijkerhout, Netherlands
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Ditoplant Export B.V., Noordwijkerhout, Netherlands

Variety used for comparison: 'Junior Dream'

Summary: *The anthocyanin colouration on the stem of 'PHMZ0005' is of medium intensity while it is absent or very weak for that of 'Junior Dream'. In cross-section, the leaf blade of 'PHMZ0005' is convex to straight while that of 'Junior Dream' is concave. The outer side of the corolla tube of 'PHMZ0005' is dark purple red while that of 'Junior Dream' is medium violet.*

Description:

PLANT: medium to tall

STEM: medium thickness at middle third, medium intensity of anthocyanin colouration, very long internode length at middle third

LEAF: medium to long, medium to broad, moderately elongated length to width ratio, broadest part at middle, convex to straight in cross-section, acuminate apex, no variegation, absent or weak intensity of anthocyanin colouration on upper side, absent or weak undulation of margin

INFLORESCENCE: many flowers

PEDICEL: long, medium intensity of anthocyanin colouration

PERIANTH: present

CALYX: long, strong intensity of anthocyanin colouration

COROLLA: medium diameter

COROLLA LOBE: medium length, medium to broad, obdeltate shape

COROLLA LOBE (INNER SIDE): medium purple (RHS NN78B), white (RHS N155B) secondary colour, dark purple (more red than RHS 64A) eye

COROLLA TUBE: medium to long, small diameter just below lobes, dark purple red (RHS 59A) on outer side

ANTHER: light yellow

STYLE: purple red

Origin and Breeding: ‘PHMZ0005’ was bred and developed by the breeder at Ditoplant Export B.V. in Noordwijkerhout, Netherlands. It originated from an open pollinated cross that occurred in the summer of 2014 between two unknown seedlings in Noordwijkerhout, Netherlands. Seeds were harvested and sown in December 2014. From the resulting progeny, a single unique plant was selected in the summer of 2016 based on its plant height, dense branching and red purple flowers.

Tests and Trials: The detailed description of ‘PHMZ0005’ is based on the UPOV report of Technical Examination, application number 2020/0180, purchased from the Community Plant Variety Office in Angers, France. The trial was conducted at the Naktuinbouw Variety Center in Roelofarendsveen, Netherlands in 2021. The colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart.

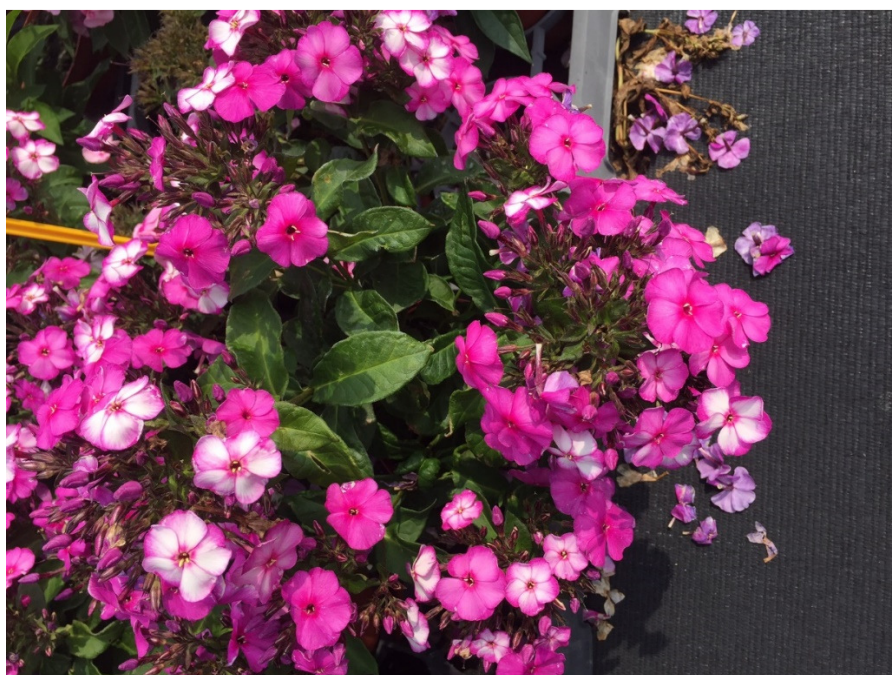
Comparison table for ‘PHMZ0005’

	‘PHMZ0005’	‘Junior Dream’*
<i>Colour of corolla tube (RHS)</i>		
outer side	59A	N78C

*reference variety



Phlox: 'PHMZ0005'



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