



APPLICATIONS UNDER EXAMINATION

POLKA DOT PLANT

POLKA DOT PLANT (*Hypoestes phyllostachya*)

Proposed denomination: 'G14157'
Trade name: Hippo Red
Application number: 17-9316
Application date: 2017/10/23
Applicant: GardenGenetics LLC, Bellefonte, Pennsylvania, United States of America
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Michael S. Uchneat, Uchneat, Micheal S., Bellefonte, Pennsylvania, United States of America
 Irene E. Palmer, Bellefonte, Pennsylvania, United States of America

Variety used for comparison: 'Splash Select Red'

Summary: The plants of 'G14157' are upright-bushy and shorter and wider than those of 'Splash Select Red', which are narrow upright. The plants of 'G14157' have a medium degree of branching while those of 'Splash Select Red' have a high degree of branching. The leaf of 'G14157' is larger than that of 'Splash Select Red'. The inflorescence of 'G14157' has none to very few flowers while that of 'Splash Select Red' has many flowers.

Description:

PLANT: vegetatively propagated, annual type, upright bushy growth habit, medium degree of branching, begins flowering late season

STEM: brown purple (closest to RHS 187A), very strong intensity of anthocyanin colouration, absent or very sparse pubescence, medium to thick, edged shape

PETIOLE: very strong intensity of anthocyanin colouration, dark brown (redder than RHS 200B)

LEAF: opposite arrangement along stem

LEAF BLADE: ovate, acute apex, truncate base, entire to broadly crenate margin, very shallow margin incisions, no pubescence on upper and lower sides, no variegation

YOUNG LEAF BLADE (UPPER SIDE): mainly dark green (RHS 144A) developing to darker green (RHS 143A) and brown green (RHS N137B)

MATURE LEAF BLADE (UPPER SIDE): mainly green grey (closest to RHS N189A), secondary colour is brown purple (RHS 185B) and dark purple red (closest to RHS 53A) distributed as irregularly shaped spots, medium density pubescence along midrib

MATURE LEAF BLADE (LOWER SIDE): mainly dark brown (RHS 200B), secondary colour is brown purple (RHS 183D/184C) distributed as irregularly shaped spots, sparse to medium density pubescence along midrib

INFLORESCENCE: absent to very few flowers

Origin and Breeding: 'G14157' originated from an induced mutation conducted by the breeders, Michael S. Uchneat and Irene E. Palmer, while employed at Garden Genetics LLC, Bellefonte, Pennsylvania, U.S.A. An induced mutation of the *Hypoestes* variety 'G14157' was conducted on October 29, 2013 when pre-germinated seed of the variety 'Splash Select Mix' were soaked in a 5% colchicine solution. The treated seedlings were grown and propagated by cuttings on March 12, 2014 to help stabilize the mutations. The new variety 'G14157' was selected as a single plant on August 15, 2014 based on its vigorous plant growth, mounded growth habit, large thick leaves, predominantly red leaf colour, late flowering time and improved sun tolerance. 'G14157' was first propagated by terminal cuttings on August 15, 2014 in Bellefonte, Pennsylvania, U.S.A.

Tests and Trials: The comparative trial for 'G14157' was conducted in a polyhouse during the summer of 2018 at BioFlora Inc., in St. Thomas, Ontario. The trial included 20 plants each of the candidate and reference variety. Rooted cuttings of 'G14157' and seed plugs of 'Splash Select Red' were transplanted into 10 cm pots on April 27, 2018. Observations and

measurements were taken from 10 plants, or parts of plants, of each variety on August 15, 2018. All colour determinations were made using the 2007 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'G14157'

| | 'G14157' | 'Splash Select Red'* |
|--------------------------|----------|----------------------|
| <i>Plant height (cm)</i> | | |
| mean | 29.8 | 46.1 |
| std. deviation | 3.53 | 1.67 |
| <i>Plant width (cm)</i> | | |
| mean | 43.0 | 25.7 |
| std. deviation | 3.34 | 2.65 |
| <i>Leaf length (cm)</i> | | |
| mean | 7.5 | 6.0 |
| std. deviation | 0.31 | 0.44 |
| <i>Leaf width (cm)</i> | | |
| mean | 5.2 | 3.6 |
| std. deviation | 0.33 | 0.23 |

*reference variety



Polka Dot Plant: 'G14157' (left) with reference variety 'Splash Select Red' (right)



Polka Dot Plant: 'G14157' (left) with reference variety 'Splash Select Red' (right)



Polka Dot Plant: 'G14157' (left) with reference variety 'Splash Select Red' (right)

Proposed denomination: ‘G14160’
Trade name: Hippo Rose
Application number: 17-9317
Application date: 2017/10/23
Applicant: GardenGenetics LLC, Bellefonte, Pennsylvania, United States of America
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Michael S. Uchneat, Uchneat, Micheal S., Bellefonte, Pennsylvania, United States of America
Irene E. Palmer, Bellefonte, Pennsylvania, United States of America

Variety used for comparison: ‘Splash Select Rose’

Summary: *The plants of ‘G14160’ are upright-bushy and spreading and shorter and wider than those of ‘Splash Select Rose’, which are narrow upright. The plants of ‘G14160’ have a medium to high degree of branching while those of ‘Splash Select Rose’ have a very high degree of branching. The leaf of ‘G14160’ is larger than that of ‘Splash Select Rose’. The inflorescence of ‘G14160’ has none to very few flowers while that of ‘Splash Select Rose’ has many flowers.*

Description:

PLANT: vegetatively propagated, annual type, upright-bushy and spreading growth habit, medium to high degree of branching, begins flowering late season

STEM: brown purple (darker than RHS 187A), very strong intensity of anthocyanin colouration, absent or very sparse pubescence, medium to thick, edged shape

PETIOLE: very strong intensity of anthocyanin colouration, brown purple (closest to RHS 187A)

LEAF: opposite arrangement along stem

LEAF BLADE: ovate, acute apex, truncate base, entire to broadly crenate margin, very shallow margin incisions, no pubescence on upper and lower sides, no variegation

MATURE LEAF BLADE (UPPER SIDE): mainly dark green (darker than RHS 139A), secondary colour is purple red (RHS 54A) distributed as irregularly shaped spots, sparse to medium density pubescence along midrib

MATURE LEAF BLADE (LOWER SIDE): mainly dark brown (greener RHS N200A), secondary colour is purple red to light blue pink (RHS 55B-C) distributed as irregularly shaped spots, sparse pubescence along midrib

INFLORESCENCE: absent to very few flowers

Origin and Breeding: ‘G14160’ originated from an induced mutation conducted by the breeders, Michael S. Uchneat and Irene E. Palmer, while employed at Garden Genetics LLC, Bellefonte, Pennsylvania, U.S.A. An induced mutation of the *Hypoestes* variety ‘G14160’ was conducted on October 29, 2013 when pre-germinated seed of the variety ‘Splash Select Mix’ were soaked in a 5% colchicine solution. The treated seedlings were grown and propagated by cuttings on March 12, 2014 to help stabilize the mutations. The new variety ‘G14160’ was selected as a single plant on August 15, 2014 based on its vigorous plant growth, mounded growth habit, large thick leaves, predominantly rose leaf colour, late flowering time and improved sun tolerance. ‘G14160’ was first propagated by terminal cuttings on August 15, 2014 in Bellefonte, Pennsylvania, U.S.A.

Tests and Trials: The comparative trial for ‘G14160’ was conducted in a polyhouse during the summer of 2018 at BioFlora Inc., in St. Thomas, Ontario. The trial included 20 plants each of the candidate and reference variety. Rooted cuttings of ‘G14160’ and seed plugs of ‘Splash Select Rose’ were transplanted into 10 cm pots on April 27, 2018. Observations and measurements were taken from 10 plants, or parts of plants, of each variety on August 15, 2018. All colour determinations were made using the 2007 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'G14160'

| | 'G14160' | 'Splash Select Rose'* |
|--------------------------|----------|-----------------------|
| <i>Plant height (cm)</i> | | |
| mean | 19.9 | 40.0 |
| std. deviation | 1.28 | 1.77 |
| <i>Plant width (cm)</i> | | |
| mean | 45.3 | 34.0 |
| std. deviation | 3.50 | 2.87 |
| <i>Leaf length (cm)</i> | | |
| mean | 7.1 | 6.2 |
| std. deviation | 0.80 | 0.34 |
| <i>Leaf width (cm)</i> | | |
| mean | 4.9 | 3.6 |
| std. deviation | 0.24 | 0.22 |

*reference variety



Polka Dot Plant: 'G14160' (left) with reference variety 'Splash Select Rose' (right)



Polka Dot Plant: 'G14160' (left) with reference variety 'Splash Select Rose' (right)



Polka Dot Plant: 'G14160' (left) with reference variety 'Splash Select Rose' (right)

Proposed denomination: 'G14161'
Trade name: Hippo Pink
Application number: 17-9318
Application date: 2017/10/23
Applicant: GardenGenetics LLC, Bellefonte, Pennsylvania, United States of America
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Michael S. Uchneat, Uchneat, Micheal S., Bellefonte, Pennsylvania, United States of America
 Irene E. Palmer, Bellefonte, Pennsylvania, United States of America

Variety used for comparison: 'Splash Select Pink'

Summary: *The plants of 'G14161' are upright-bushy and shorter and wider than those of 'Splash Select Pink', which are narrow upright. The plants of 'G14161' have a medium to high degree of branching while those of 'Splash Select Pink' have a very high degree of branching. The leaf of 'G14161' is larger than that of 'Splash Select Pink'. The inflorescence of 'G14161' has none to very few flowers while that of 'Splash Select Pink' has many flowers.*

Description:

PLANT: vegetatively propagated, annual type, upright bushy growth habit, medium to high degree of branching, begins flowering late season

STEM: grey brown (RHS 199A) with reddish tones, medium intensity of anthocyanin colouration, very sparse pubescence, dense pubescence at nodes, medium to thick, edged shape

PETIOLE: medium intensity of anthocyanin colouration, medium brown (closest to RHS 177A)

LEAF: opposite arrangement along stem

LEAF BLADE: ovate, acute apex, truncate base, entire to broadly crenate margin, very shallow margin incisions, no pubescence on upper and lower sides, no variegation

MATURE LEAF BLADE (UPPER SIDE): mainly brown green (RHS N137A, as dark as RHS 147A), margin is dark brown (closest to RHS 200A), secondary colour is blue pink to light blue pink (RHS 62A-B) fading to lighter blue pink (RHS 62C) distributed as irregularly shaped spots, medium to strong density pubescence along midrib

MATURE LEAF BLADE (LOWER SIDE): mainly grey (RHS 197A) and grey brown (RHS N199A) with brown green (closest to RHS 148A) tones, secondary colour is white (RHS NN155A), light blue pink (RHS 62D) and grey (RHS 157A) distributed as irregularly shaped spots, medium density pubescence along midrib

PEDICEL: green brown, medium intensity of anthocyanin colouration, no pubescence, medium density pubescence at nodes

INFLORESCENCE: absent to very few flowers

UPPER LOBE: violet (closest to RHS N81B)

Origin and Breeding: 'G14161' originated from an induced mutation conducted by the breeders, Michael S. Uchneat and Irene E. Palmer, while employed at Garden Genetics LLC, Bellefonte, Pennsylvania, U.S.A. An induced mutation of the *Hypoestes* variety 'G14161' was conducted on October 29, 2013 when pre-germinated seed of the variety 'Splash Select Mix' were soaked in a 5% colchicine solution. The treated seedlings were grown and propagated by cuttings on March 12, 2014 to help stabilize the mutations. The new variety 'G14161' was selected as a single plant on August 15, 2014 based on its vigorous plant growth, mounded growth habit, large thick leaves, predominantly pink leaf colour, late flowering time and improved sun tolerance. 'G14161' was first propagated by terminal cuttings on August 15, 2014 in Bellefonte, Pennsylvania, U.S.A.

Tests and Trials: The comparative trial for 'G14161' was conducted in a polyhouse during the summer of 2018 at BioFlora Inc., in St. Thomas, Ontario. The trial included 20 plants each of the candidate and reference variety. Rooted cuttings of 'G14161' and seed plugs of 'Splash Select Pink' were transplanted into 10 cm pots on April 27, 2018. Observations and measurements were taken from 10 plants, or parts of plants, of each variety on August 15, 2018. All colour determinations were made using the 2007 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'G14161'

| | 'G14161' | 'Splash Select Pink'* |
|--------------------------|----------|-----------------------|
| <i>Plant height (cm)</i> | | |
| mean | 25.7 | 37.3 |
| std. deviation | 1.59 | 1.62 |
| <i>Plant width (cm)</i> | | |
| mean | 44.0 | 27.6 |
| std. deviation | 2.68 | 1.15 |
| <i>Leaf length (cm)</i> | | |
| mean | 7.5 | 6.0 |
| std. deviation | 0.30 | 0.45 |
| <i>Leaf width (cm)</i> | | |
| mean | 5.7 | 4.0 |
| std. deviation | 0.33 | 0.32 |

*reference variety



Polka Dot Plant: 'G14161' (left) with reference variety 'Splash Select Pink' (right)



Polka Dot Plant: 'G14161' (left) with reference variety 'Splash Select Pink' (right)



Polka Dot Plant: 'G14161' (left) with reference variety 'Splash Select Pink' (right)