



APPLICATIONS UNDER EXAMINATION

PORTULACA/PURSLANE

PORTULACA/PURSLANE
(*Portulaca oleracea*)

Proposed denomination: 'POR16000'
Trade name: Mojave Red Imp
Application number: 19-9899
Application date: 2019/05/17
Applicant: Thomas Psenner, Bolzano, Italy
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Thomas Psenner, Bolzano, Italy

Variety used for comparison: 'Cupcake Cherry Baby'

Summary: *The plants of 'POR16000' are taller than the plants of 'Cupcake Cherry Baby'. The leaf blade of 'POR16000' is narrower than the leaf blade of 'Cupcake Cherry Baby'. The leaf blade of 'POR16000' has a medium degree of undulation of the margin while the leaf blade of 'Cupcake Cherry Baby' has weak undulation of the margin. The sepal of 'POR16000' is shorter than that of 'Cupcake Cherry Baby'. The corolla of 'POR16000' has a smaller diameter than that of 'Cupcake Cherry Baby'. The outer side of the corolla lobe of 'POR16000' is dark pink red with yellow orange at the base while the outer side of the corolla lobe for 'Cupcake Cherry Baby' is dark pink red with yellow and red at the mid zone and yellow green at the base. The petal of 'POR16000' is shorter than that of 'Cupcake Cherry Baby'.*

Description:

PLANT: spreading/trailing growth habit

STEM: light green, medium to very strong intensity of anthocyanin colouration, strong glaucosity, absent or very sparse pubescence, medium diameter

LEAF: simple type, petiole present

LEAF BLADE: obovate with obtuse and cuspidate apex, cuneate base, entire margin, variegation absent, medium degree of undulation of margin

LEAF BLADE (UPPER SIDE): brown green (RHS N137D) with anthocyanin colouration along margin, absent or very sparse pubescence, strong glaucosity

LEAF BLADE (LOWER SIDE): brown green (RHS 137A-B), absent or very sparse pubescence

SEPAL: ovate, acute apex, absent or very weak recurvature of tip, entire margin, absent or very sparse pubescence, weak glaucosity on inner side

FLOWER: solitary type

COROLLA: single type, free arrangement of lobes, absent or very sparse pubescence on inner and outer side, entire margin, weak to medium degree of undulation of margin

COROLLA LOBE (INNER SIDE): dark pink red (RHS 53C) with yellow orange (RHS 15A) at base, markings absent

COROLLA LOBE (OUTER SIDE): dark pink red (RHS 53C) with yellow orange (RHS 15C) at base

PETAL: overlapping arrangement, few in number, obcordate in shape, truncate to emarginate apex

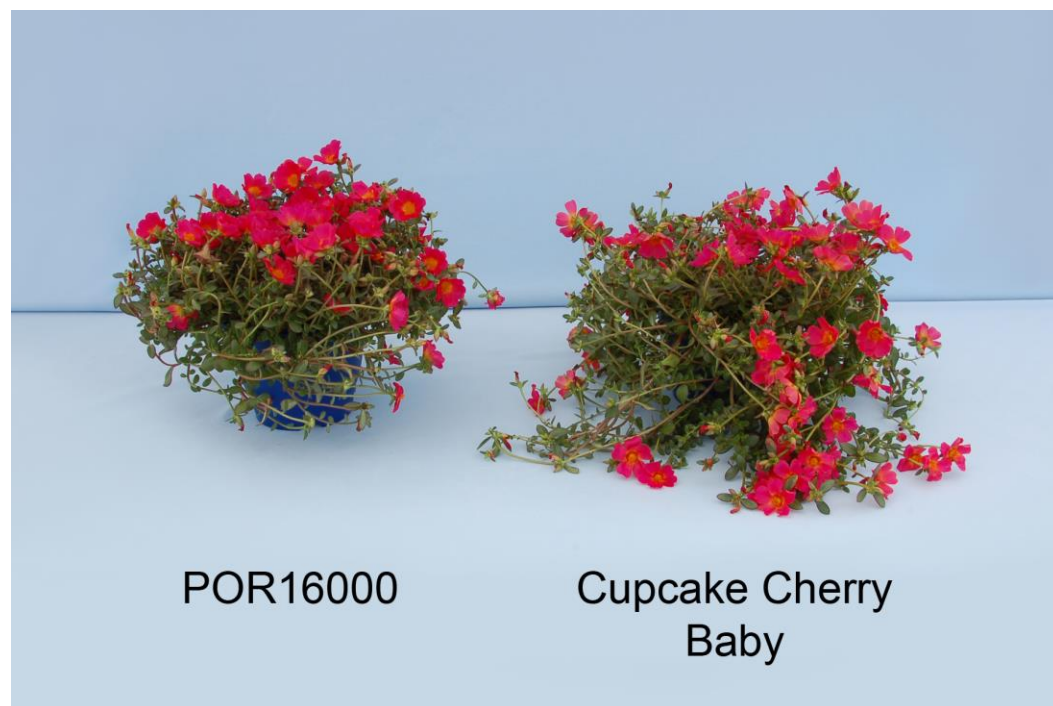
Origin and Breeding: 'POR16000' was bred and developed by the breeder Mr. Thomas Psenner of Bolzano, Italy. 'POR16000' originated from a controlled cross conducted in May, 2015 in Bolzano, Italy between the female parent variety 'POR12005' and the male parent variety 'POR13109'. A single seedling was selected from the resultant progeny in June 2016, based on plant habit, internode length, flower colour and duration of flower opening. Asexual reproduction of 'POR16000', was first conducted by vegetative tip cuttings in September 2016 in Bolzano, Italy.

Tests and Trials: The comparative trial for 'POR16000' was conducted in a polyhouse at BioFlora Inc. in St. Thomas, Ontario during the summer of 2020. The trial included a total of 20 plants each of the candidate and reference variety. All plants were grown from rooted cuttings and transplanted into 15 cm pots. Observations and measurements were taken from 10 plants, or 10 parts of plants, of each variety. All colour determinations were made using the 2007 Royal Horticultural Society (RHS) Colour Chart.

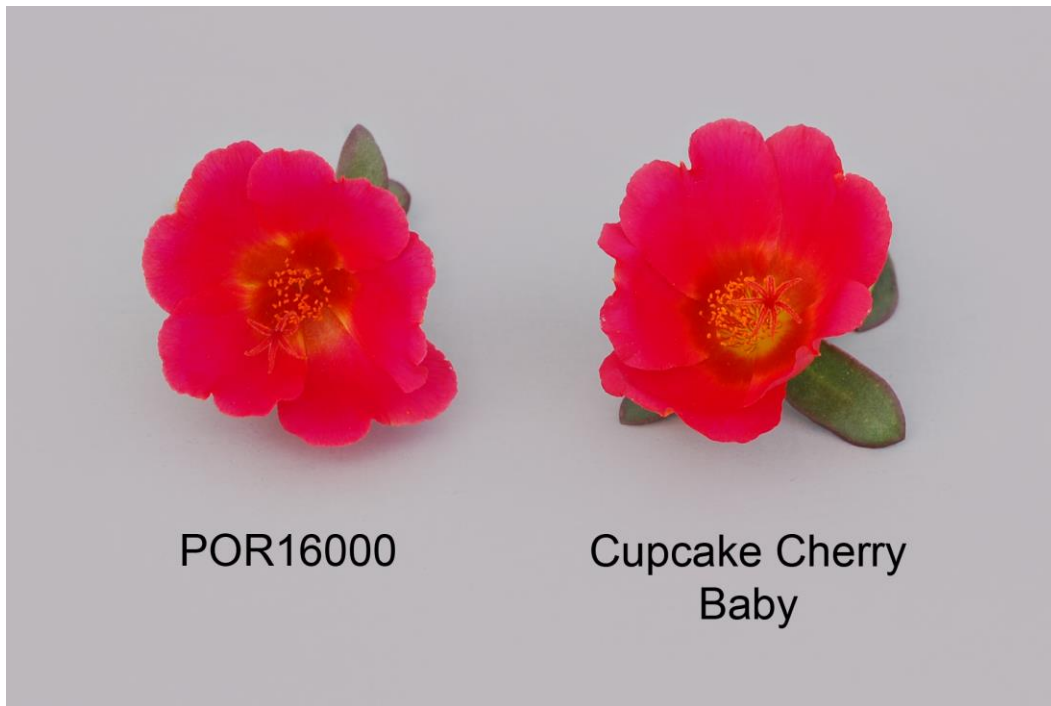
Comparison table for 'POR16000'

| | 'POR16000' | 'Cupcake Cherry Baby'* |
|------------------------------|----------------------|---|
| <i>Plant height (cm)</i> | | |
| mean | 18.1 | 12.2 |
| std. deviation | 1.4 | 1.6 |
| <i>Leaf blade width (cm)</i> | | |
| mean | 1.30 | 1.50 |
| td. deviation | 0.09 | 0.14 |
| <i>Sepal length (cm)</i> | | |
| mean | 0.87 | 0.97 |
| std. deviation | 0.05 | 0.05 |
| <i>Corolla diameter (cm)</i> | | |
| mean | 4.20 | 4.69 |
| std. deviation | 0.32 | 0.28 |
| <i>Corolla colour (RHS)</i> | | |
| outer side | 53C with 15C at base | 53D with 12B and 34A at mid zone and 1B at base |
| <i>Petal length (cm)</i> | | |
| mean | 2.3 | 2.5 |
| std. deviation | 0.1 | 0.1 |

*reference variety



Portulaca/purslane: 'POR16000' (left) with reference variety 'Cupcake Cherry Baby' (right)



Portulaca/purslane: 'POR16000' (left) with reference variety 'Cupcake Cherry Baby' (right)

PORTULACA/PURSLANE
(*Portulaca umbraticola*)

Proposed denomination: 'Dpormojafu'
Trade name: Mojave Fuchsia Imp
Application number: 19-9863
Application date: 2019/05/17
Applicant: Danziger - "Dan" Flower Farm, Moshav Mishmar Hashiva, Israel
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Gavriel Danziger, Moshav Mishmar Hashiva, Israel

Variety used for comparison: 'Cupcake Grape Jelly'

Summary: *The plants of 'Dpormojafu' have an upright-bushy to bushy-rounded growth habit while the plants of 'Cupcake Grape Jelly' have a spreading/trailing growth habit. The plants of 'Dpormojafu' are taller and wider than the plants of 'Cupcake Grape Jelly'. The leaf blade of 'Dpormojafu' is shorter than the leaf blade of 'Cupcake Grape Jelly'. The leaf blade of 'Dpormojafu' has medium to strong undulation of the margin while the leaf blade of 'Cupcake Grape Jelly' has weak undulation of the margin. The sepal of 'Dpormojafu' is smaller than that of 'Cupcake Grape Jelly'. The sepal of 'Dpormojafu' is elliptic in shape while the sepal of 'Cupcake Grape Jelly' is ovate in shape. The corolla of 'Dpormojafu' is smaller in diameter than that of 'Cupcake Grape Jelly'. The petal of 'Dpormojafu' is smaller than the petal of 'Cupcake Grape Jelly'.*

Description:

PLANT: upright-bushy to bushy-rounded growth habit

STEM: light green, medium to strong intensity of anthocyanin colouration, strong glaucosity, absent or very sparse pubescence, medium diameter

LEAF: simple type, petiole present

LEAF BLADE: obovate with obtuse and cuspidate apex, cuneate base, entire margin, variegation absent, medium to strong undulation of margin

LEAF BLADE (UPPER SIDE): brown green (RHS N137A) with anthocyanin colouration along margin, absent or very sparse pubescence, strong glaucosity

LEAF BLADE (LOWER SIDE): brown green (RHS 137B-C), absent or very sparse pubescence

SEPAL: elliptic, acute apex, absent or very weak recurvature of tip, entire margin, absent or very sparse pubescence on outer and inner side, weak glaucosity on inner side

FLOWER: solitary type

COROLLA: single type, free arrangement of lobes, absent or very sparse pubescence on inner and outer side, entire margin, weak undulation of margin

COROLLA LOBE (INNER SIDE): purple (RHS N74A) with thin halo of red (RHS 44A) at base, markings absent

COROLLA LOBE (OUTER SIDE): purple (RHS N74A) at apex fading to blue pink (RHS N74C) to light blue pink (RHS 73D) and yellow (RHS 4B) at base

PETAL: overlapping arrangement, few in number, obcordate in shape, truncate to emarginate apex

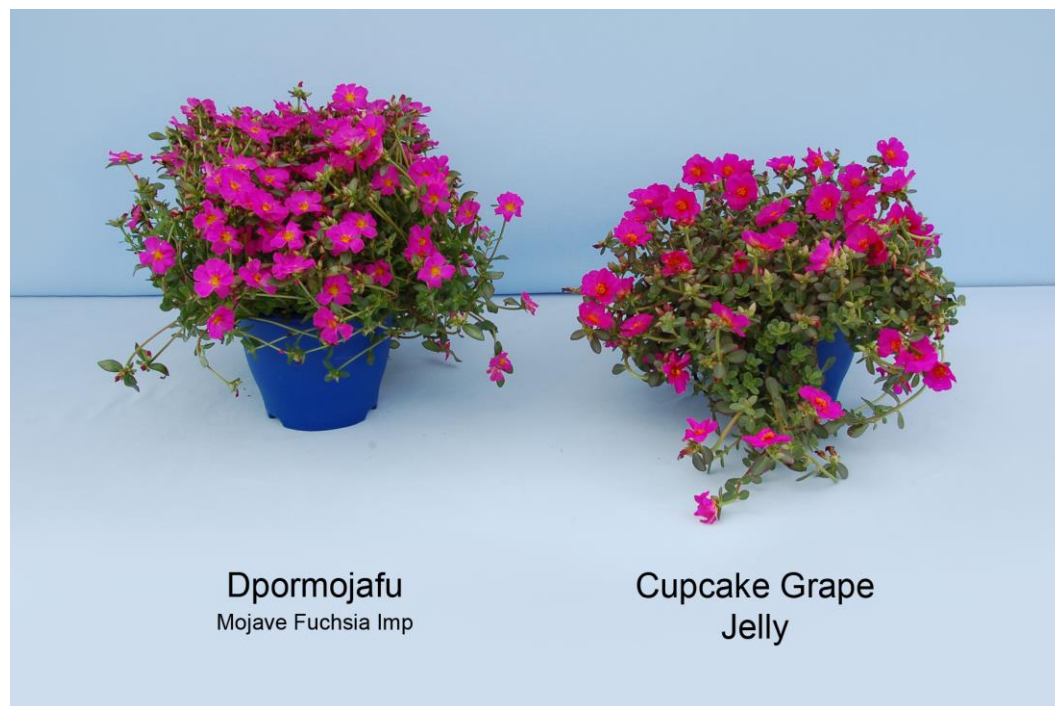
Origin and Breeding: 'Dpormojafu' was bred and developed by the breeder Gavriel Danziger in Moshav Mishmar Hashiva Israel, as part of a controlled breeding program. 'Dpormojafu' originated from an open pollinated cross that occurred in June, 2013 in Nir-Zvi, Israel between the female parent designated 'PT-11-856' and pollen from an unknown male parent. A single seedling was selected from the resultant progeny on September 7, 2014 based on growth rate, time of flowering, flower colour and flower abundance. Asexual reproduction of 'Dpormojafu' was first conducted by vegetative cuttings in September 2014, in Nir-Zvi, Israel.

Tests and Trials: The comparative trial for 'Dpormojafu' was conducted in a polyhouse at BioFlora Inc. in St. Thomas, Ontario during the summer of 2020. The trial included a total of 20 plants each of the candidate and reference variety. All plants were grown from rooted cuttings and transplanted into 15 cm pots. Observations and measurements were taken from 10 plants, or 10 parts of plants, of each variety. All colour determinations were made using the 2007 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'Dpormojafu'

| | 'Dpormojafu' | 'Cupcake Grape Jelly'* |
|-------------------------------|--------------|------------------------|
| <i>Plant height (cm)</i> | | |
| mean | 26.3 | 16.5 |
| std. deviation | 2.1 | 1.5 |
| <i>Plant width (cm)</i> | | |
| mean | 48.2 | 44.9 |
| std. deviation | 2.9 | 2.7 |
| <i>Leaf blade length (cm)</i> | | |
| mean | 3.1 | 3.4 |
| std. deviation | 0.2 | 0.3 |
| <i>Sepal length (cm)</i> | | |
| mean | 0.80 | 1.00 |
| std. deviation | 0.07 | 0.04 |
| <i>Sepal width (cm)</i> | | |
| mean | 0.70 | 1.00 |
| std. deviation | 0.03 | 0.09 |
| <i>Corolla diameter (cm)</i> | | |
| mean | 3.6 | 4.6 |
| std. deviation | 0.2 | 0.3 |
| <i>Petal length (cm)</i> | | |
| mean | 1.8 | 2.3 |
| std. deviation | 0.1 | 0.1 |
| <i>Petal width (cm)</i> | | |
| mean | 1.5 | 2.3 |
| std. deviation | 0.1 | 0.1 |

*reference variety



Portulaca/purslane: 'Dpormojafu' (left) with reference variety 'Cupcake Grape Jelly' (right)



Portulaca/purslane: 'Dpormojafu' (left) with reference variety 'Cupcake Grape Jelly' (right)
