



## APPLICATIONS UNDER EXAMINATION

## SCAEVOLA

### SCAEVOLA (*Scaevola aemula*)

**Proposed denomination:** 'DSCAWINDST'  
**Trade name:** Whirlwind Starlight  
**Application number:** 20-10243  
**Application date:** 2020/05/20  
**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:** 'Scalora Diamond'

**Summary:** *The plants of 'DSCAWINDST' are taller and narrower than those of 'Scalora Diamond'. The intensity of anthocyanin colouration on the stem of 'DSCAWINDST' is primarily absent to weak throughout, with a medium to strong intensity near the attachment of the flowers, while that of 'Scalora Diamond' is medium to strong throughout. The leaf blade of 'DSCAWINDST' is smaller than that of 'Scalora Diamond'. The inflorescence of 'DSCAWINDST' has a greater number of flowers per flowering stem than that of 'Scalora Diamond'. The corolla of 'DSCAWINDST' is smaller than that of 'Scalora Diamond'. At mid-season, the inner side of the corolla of 'DSCAWINDST' is mainly dark to medium blue violet with lighter medium blue violet tones and a white secondary colour while the inner side of the corolla of 'Scalora Diamond' is mainly white with a secondary colour of dark blue violet with medium blue violet tones.*

#### **Description:**

**PLANT:** vegetatively propagated, annual, bushy rounded to spreading/trailing growth habit, many branches

**STEM:** light green, absent to weak intensity of anthocyanin colouration, medium to strong intensity of anthocyanin colouration near attachment of flowers, medium pubescence, medium thickness, smooth

**LEAF:** alternate arrangement along stem, simple type, spatulate shape, obtuse apex, attenuate base, dentate margin, no variegation

**LEAF BLADE (UPPER SIDE):** medium green, medium pubescence

**LEAF BLADE (LOWER SIDE):** light to medium green, sparse pubescence on blade, medium pubescence along midvein

**FLOWERING PERIOD:** almost continuous, begins early to mid-season, long

**INFLORESCENCE:** spike type, flowers located in axillary position

**COROLLA:** fan-shaped, lobes free non-touching, five lobes per corolla

**COROLLA LOBE:** entire margin, weak undulation of margin, oblong, mucronate tip

**COROLLA LOBE (INNER SIDE):** mainly white (RHS NN155D) with medium blue violet (RHS 86C) secondary colour distributed as broad band along margin and at centre line in spring, mainly dark to medium blue violet (RHS 86B-D) along margin with lighter medium blue violet (close to N88D) tones along central line and white (RHS NN155D) secondary ground colour mid-season

**COROLLA LOBE (OUTER SIDE):** mainly medium blue violet (RHS 86D to N88C-D)

**COROLLA THROAT:** medium density pubescence, yellow on inner side, light yellow green (RHS 154D) on outer side

**Origin and Breeding:** 'DSCAWINDST' originated from a controlled cross conducted by the breeder, Gavriel Danziger, in Nir-Zvi, Israel in March 2015. The cross was made between the female parent variety designated 'cv. 14-1050' and pollen from an unknown male parent. From the resulting progeny, a single seedling was selected on March 3, 2016 based on its plant growth habit, foliage appearance and flower colour. 'DSCAWINDST' was first propagated by vegetative cuttings on March 3, 2016 in Moshav Mishmar Hashiva, Israel.

**Tests and Trials:** The comparative trial for 'DSCAWINDST' was conducted in a polyhouse during the spring of 2021 at BioFlora, Inc. in St. Thomas, Ontario. The trial included a total of 15 plants each of the candidate and reference variety. All plants were grown from rooted cuttings and transplanted into 13 cm pots on April 16, 2021. Observations and measurements

were taken from 10 plants, or 10 parts of plants, of each variety on June 23, 2021. All colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart.

**Comparison table for 'DSCAWINDST'**

|  | <b>'DSCAWINDST'</b> | <b>'Scalora Diamond'*</b> |
|--|---------------------|---------------------------|
| <i>Plant height (cm)</i>                                     |                     |                           |
| mean   | 41.1                | 21.0                      |
| std. deviation   | 3.19                | 3.82                      |
| <i>Plant width (cm)</i>                                      |                     |                           |
| mean   | 66.4                | 88.5                      |
| std. deviation   | 3.37                | 8.20                      |
| <i>Leaf blade length (cm)</i>                                |                     |                           |
| mean   | 8.1                 | 10.5                      |
| std. deviation   | 0.86                | 0.88                      |
| <i>Leaf blade width (cm)</i>                                 |                     |                           |
| mean   | 2.8                 | 4.0                       |
| std. deviation   | 0.28                | 0.38                      |
| <i>Number of flowers per flowering stem of inflorescence</i> |                     |                           |
| mean   | 18.8                | 13.3                      |
| std. deviation   | 2.77                | 1.63                      |
| <i>Corolla length (cm)</i>                                   |                     |                           |
| mean   | 2.71                | 3.08                      |
| std. deviation   | 0.06                | 0.09                      |
| <i>Corolla width (cm)</i>                                    |                     |                           |
| mean   | 2.45                | 3.28                      |
| std. deviation   | 0.08                | 0.15                      |
| <i>Colour of inner side of corolla lobe mid-season (RHS)</i> |                     |                           |
| main   | 86B-D, N88D tones   | NN155D                    |
| secondary  | NN155D              | 86B, 90D tones            |
| *reference variety   |                     |                           |



Scaevola: 'DSCAWINDST' (left) with reference variety 'Scalora Diamond' (right)



Scaevola: 'DSCAWINDST' (left) with reference variety 'Scalora Diamond' (right)



Scaevola: 'DSCAWINDST' (left) with reference variety 'Scalora Diamond' (right)