



APPLICATIONS UNDER EXAMINATION

SWEET ALYSSUM

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(Lobularia maritima)

Proposed denomination: 'INLBUVIOKN'
Trade name: Violet Knight
Application number: 21-10650
Application date: 2021/07/28
Applicant: InnovaPlant Zierpflanzen GmbH & Co. KG, Gensingen, Germany
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Silvia Hofmann, InnovaPlant Zierpflanzen GmbH & Co. KG, Gensingen, Germany

Variety used for comparison: 'Easy Breezy Purple'

Summary: *The plants of 'INLBUVIOKN' are narrower than those of 'Easy Breezy Purple'. The leaf of 'INLBUVIOKN' is shorter than that of 'Easy Breezy Purple'. The petiole of 'INLBUVIOKN' is longer than that of 'Easy Breezy Purple'. The flowering part of the inflorescence of 'INLBUVIOKN' is shorter than that of 'Easy Breezy Purple'.*

Description:

PLANT: semi-erect to semi-prostrate growth habit, annual type, dense
 SHOOT: absent or very sparse pubescence, absent or very weak intensity of anthocyanin colouration

PETIOLE: present

LEAF BLADE: oblanceolate, acute apex, cuneate base, entire margin, no variegation, light green upper side, sparse pubescence on upper and lower sides

INFLORESCENCE: round shaped bud, green with purple bud, axillary and terminal buds on flowering shoot, medium to dense, columnar shape in profile

COROLLA: upper side medium violet (RHS N78A and N81A) aging to dark violet (RHS 77A), lower side dark violet (closest to RHS 77A), weak to strong colour fading with age

COROLLA LOBE: overlapping arrangement, incurved to absent curvature along longitudinal axis

POLLEN: yellow

Origin and Breeding: 'INLBUVIOKN' originated as an open pollinated cross and was bred and developed by the breeder, Mrs. Birgit Hofmann, an employee of InnovaPlant Zierpflanzen GmbH & Co. KG in Gensingen, Germany. The open pollinated cross occurred between a proprietary female seedling designated 'Io14-5001-16' and pollen from an unknown male parent in Heidesheim, Germany between June to August 2015. From the resulting progeny, 'INLBUVIOKN' was selected in August 2016 for its flower colour, flower size, low fertility/seed set and summer performance. 'INLBUVIOKN' was first propagated by vegetative cuttings in August 2016 in Gensingen, Germany.

Tests and Trials: The comparative trial for 'INLBUVIOKN' was conducted in a polyhouse during the spring of 2022 at BioFlora, Inc. in St. Thomas, Ontario. 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 on April 5, 2022. Observations and measurements were taken from 10 plants, or parts of plants, of each variety on June 7, 2022. Mean differences were significant at the 5% confidence probability level based on a paired Student's t-test. All colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'INLBUVIOKN'

	'INLBUVIOKN'	'Easy Breezy Purple'*
<i>Plant width (cm)</i>		
mean	36.4	42.3
std. deviation	0.85	1.65

Leaf length (cm)

mean	4.6	6.0
std. deviation	0.92	0.49

Petiole length (cm)

mean	0.8	0.4
std. deviation	0.21	0.15

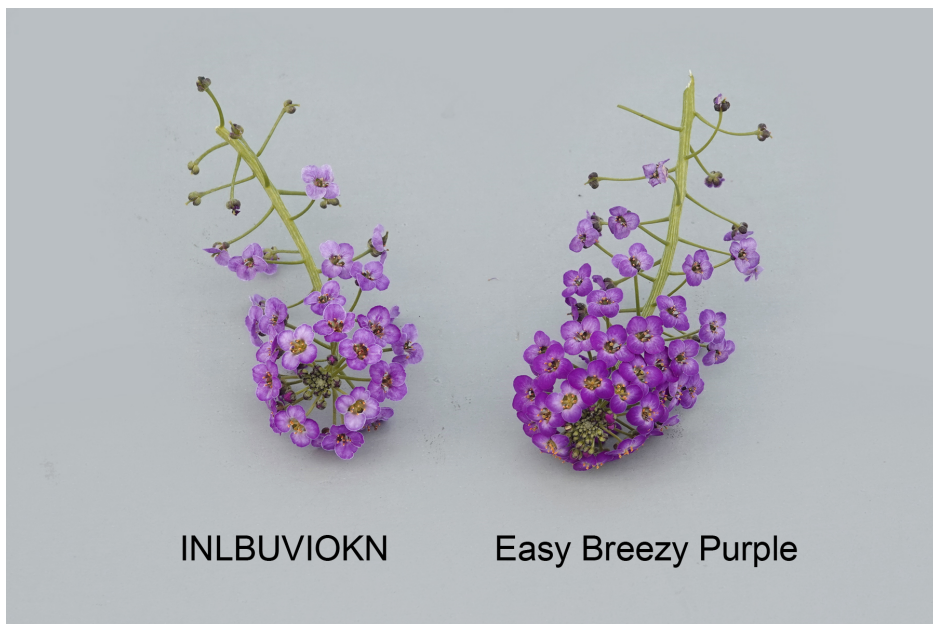
Inflorescence length (cm)

mean	11.2	15.8
std. deviation	0.74	1.18

*reference variety



Sweet Alyssum: 'INLBUVIOKN' (left) with reference variety 'Easy Breezy Purple' (right)



Sweet Alyssum: 'INLBUVIOKN' (left) with reference variety 'Easy Breezy Purple' (right)