



APPLICATIONS UNDER EXAMINATION

SWEET ALYSSUM

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(Lobularia maritima)

Proposed denomination: 'INLBUMOKNI'
Trade name: Moonlight Knight
Application number: 20-10245
Application date: 2020/05/20
Applicant: InnovaPlant Zierpflanzen GmbH & Co. KG, Gensingen, Germany
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Birgit Hofmann, InnovaPlant Zierpflanzen GmbH & Co. KG, Germany

Variety used for comparison: 'INLBUIWIKNI' (White Knight)

Summary: *The plants of 'INLBUMOKNI' are smaller than those of 'INLBUIWIKNI'. The leaf of 'INLBUMOKNI' is shorter than that of 'INLBUIWIKNI'. The inner side of the corolla lobe of 'INLBUMOKNI' is light yellow strongly fading to white with age while that of 'INLBUIWIKNI' is white with no colour change. The outer side of the corolla lobe of 'INLBUMOKNI' is light yellow orange strongly fading to white with age while that of 'INLBUIWIKNI' is white with no colour change.*

Description:

PLANT: semi-erect growth habit, annual type, dense

SHOOT: absent or very sparse pubescence, absent or very weak anthocyanin colouration

LEAF BLADE: lanceolate to linear shape, acute apex, attenuate base, entire margin, no variegation, medium green on upper side, absent or very sparse pubescence on upper and lower side, no petiole

INFLORESCENCE: both axillary and terminal position on shoot, medium density, columnar shape in profile

FLORET BUD: round, green with purple anthocyanin colouration at the distal end

COROLLA: lobes touching to overlapping arrangement

COROLLA LOBE: incurved to no curvature along longitudinal axis, absent to weak undulation of margin, inner side light yellow (RHS 8D) fading to white (RHS 155D), outer side light yellow orange (RHS 11D) fading to white (RHS 155A), colour strongly fading with age

POLLEN: yellow

Origin and Breeding: 'INLBUMOKNI' originated from a controlled cross conducted by the breeder, Birgit Hofmann, an employee of InnovaPlant Zierpflanzen GmbH & Co. KG, in Heidesheim, Germany. Between May and September of 2014, the cross was made between two proprietary seedlings, 'Io13-4002-21' designated as the female parent, and 'LoI13-4000-2'; designated as the male parent. From the resulting progeny, 'INLBUMOKNI' was selected in March 2015 for its flower colour, flower size, low fertility/seed set and leaf colour. 'INLBUMOKNI' was first propagated by vegetative cuttings in June 2015 in Gensingen, Germany.

Tests and Trials: The comparative trial for 'INLBUMOKNI' was conducted in a polyhouse during the spring of 2021 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 round pots on April 14, 2021. Observations and measurements were taken from 10 plants, or 10 parts of plants, of each variety on June 3, 2021. All colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'INLBUMOKNI'

	'INLBUMOKNI'	'INLBUIWIKNI'*
<i>Plant height (cm)</i>		
mean	19.0	24.8
std. deviation	1.74	1.14

Plant width (cm)

mean	44.6	52.5
std. deviation	1.39	3.93

Leaf length (cm)

mean	4.1	5.6
std. deviation	0.52	0.29

Main colour of corolla lobe (RHS)

inner side	8D strongly fading to 155D with age	NN155C
outer side	11D strongly fading to 155A with age	NN155C

*reference variety



Sweet Alyssum: 'INLBUMOKNI' (left) with reference variety 'INLBUIKNI' (right)



Sweet Alyssum: 'INLBUMOKNI' (left) with reference variety 'INLBUWIKNI' (right)
