



APPLICATIONS UNDER EXAMINATION

EUPHORBIA

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(Euphorbia hypericifolia)

Proposed denomination: 'INCHADIACL'
Trade name: Diamond Snow
Application number: 19-9763
Application date: 2019/04/15
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: 'Inneuphdia' (Diamond Frost)

Summary: *The plants of 'INCHADIACL' are smaller than those of 'Inneuphdia'. The plants of 'INCHADIACL' have dense branching whereas those of 'Inneuphdia' have a sparse to medium density of branching. The stem of 'INCHADIACL' is of medium thickness while it is thick for 'Inneuphdia'. The leaf blade of 'INCHADIACL' is shorter than the leaf blade of 'Inneuphdia'. The flower of 'INCHADIACL' is a double type while it is a single type for 'Inneuphdia'. The bract of 'INCHADIACL' is shorter than the bract of 'Inneuphdia'.*

Description:

PLANT: vegetatively propagated, annual, bushy rounded growth habit, dense branching

STEM: medium green, medium to strong anthocyanin colouration mainly at internodes, absent or very weak glaucosity, absent or very weak pubescence, medium thickness, smooth surface

LEAF: simple type, opposite arrangement along stem, elliptic shape, broadly acute to obtuse apex, cuneate base, entire margins, absent or very sparse pubescence on upper side, no glaucosity, main colour of upper side brown green (RHS N137B), brown green lower side (RHS 138A), medium length petiole

FLOWER: double type

BRACT: obovate, white (RHS NN155D)

Origin and Breeding: 'INCHADIACL' originated from a controlled cross conducted by the breeder, Birgit Hofmann, an employee of InnovaPlant Zierpflanzen GmbH & Co. KG in Gensingen, Germany. In September 2014, the cross was made between two proprietary seedlings, the female parent designated 'Ch13-5000-13' and the male parent designated 'Cha13-5020-2', in Heidesheim, Germany. In March 2017, 'INCHADIACL' was selected as a single plant based on its mounding plant growth habit, dense branching, double flower type and rooting quality. 'INCHADIACL' was first propagated by vegetative cuttings in March 2017 in Gensingen, Germany.

Tests and Trials: The comparative trial for 'INCHADIACL' 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 of both the candidate and reference varieties. All plants were grown from rooted cuttings and transplanted into 11 cm pots on April 20, 2020. Observations and measurements were taken from 10 plants, or parts of plants, of each variety on June 4, 2020. All colour determinations were made using the 2007 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'INCHADIACL'

	'INCHADIACL'	'Inneuphdia'*
<i>Plant foliage height (cm)</i>		
mean	17.8	22.4
std. deviation	1.65	1.71
<i>Plant width (cm)</i>		
mean	29.7	36.7
std. deviation	3.08	4.12

Leaf blade length (cm)

mean	2.0	2.9
std. deviation	0.09	0.26

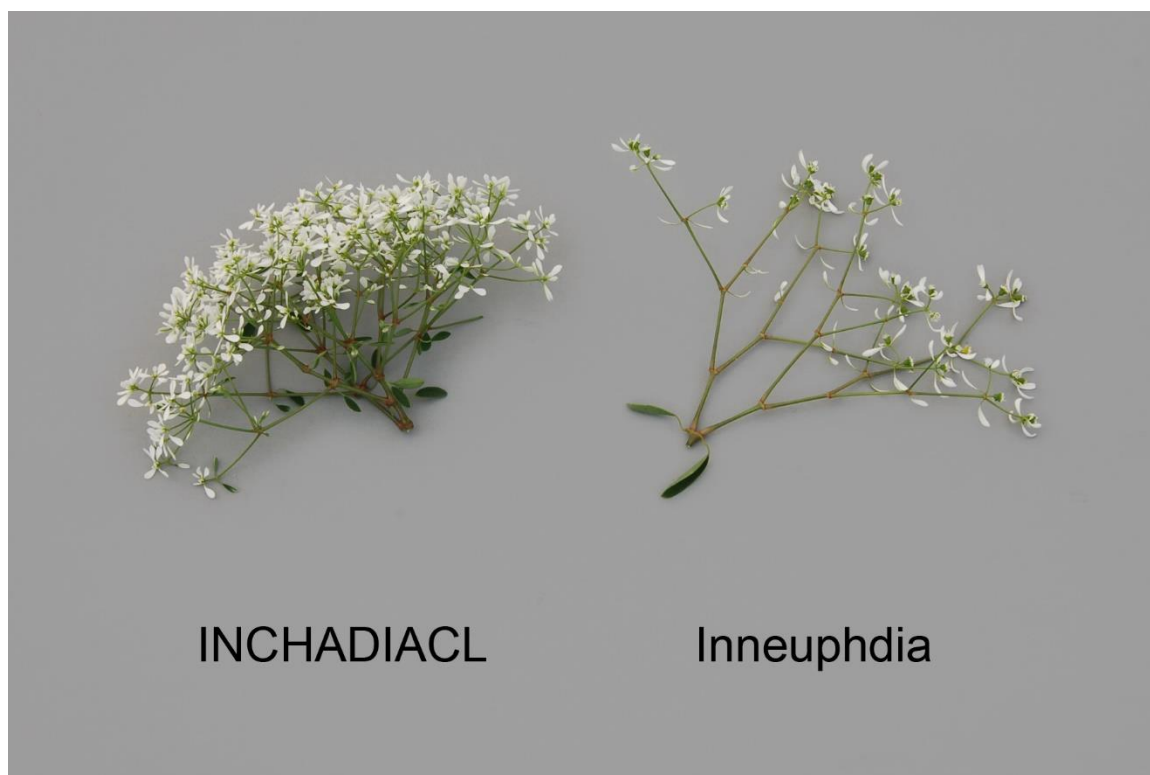
Bract length (cm)

mean	0.6	1.1
std. deviation	0.08	0.12

*reference variety



Euphorbia: 'INCHADIACL' (left) with reference variety 'Inneuphdia' (right)



Euphorbia: 'INCHADIACL' (left) with reference variety 'Inneuphdia' (right)



Euphorbia: 'INCHADIACL' (left) with reference variety 'Inneuphdia' (right)