



APPLICATIONS UNDER EXAMINATION

ERYSIMUM

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(Erysimum)

Proposed denomination: 'Lemon Zest'
Application number: 05-4761
Application date: 2005/04/20
Applicant: InnovaPlant GmbH & Co. KG, Gensingen, Germany
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Susanne Herdegen, InnovaPlant GmbH. & Co. KG, Gensingen, Germany

Variety used for comparison: 'Precious Gold'

Summary: *The leaf blade of 'Lemon Zest' is shorter than the leaf blade of 'Precious Gold'. The leaves of 'Lemon Zest' have petioles present while those of 'Precious Gold' have none. The petal of 'Lemon Zest' is narrower than the petal of 'Precious Gold'. The upper and lower side of the petal is yellow for 'Lemon Zest' while it is yellow orange for 'Precious Gold'.*

Description:

PLANT: perennial, bushy-rounded growth habit
 STEM: medium green, sparse pubescence, smooth shape

LEAF: alternate arrangement, simple, oblanceolate, acute apex, attenuate base, entire margin with irregular shallow incisions, sparse pubescence on upper side, absent to very sparse pubescence on lower side, absent to very weak glossiness on upper side, weak glossiness on lower side, medium green on upper and lower side

INFLORESCENCE: medium length of flowering, absent to very weak fragrance, raceme

COROLLA: single, rotate, yellow colour group

PETAL: truncate apex, touching to overlapping petals which become free as the flower ages, upper side yellow (RHS 2A) when newly open, slightly darker yellow (RHS 3A - 7A) when fully open, lower side yellow (RHS 2B) when newly open, slightly lighter yellow (RHS 3C) when fully open.

Origin and Breeding: The variety 'Lemon Zest' originated from a controlled cross made in Gensingen, Germany in 1999. The cross was made between the female parent 'Sprite' and an unnamed male parent. The new variety was selected in late 1999 for criteria based on very compact growth habit, good branching and early flowering. Propagation by vegetative cuttings was first conducted in late 1999 in Gensingen, Germany.

Tests and Trials: Trials for 'Lemon Zest' were conducted in a garden plot during the early spring of 2010, in St. Thomas, Ontario. The trial included 10 plants of each variety. Rooted cuttings were transplanted into 11 cm pots in the spring of 2009 and then subsequently planted in the garden plot in September 2009. All observations and measurements were taken from 10 plants of each variety on May 2, 2010. All colour measurements were made using the 2007 Royal Horticultural Society colour chart.

Comparison table for 'Lemon Zest'

	'Lemon Zest'	'Precious Gold'*
<i>Leaf blade length (cm)</i>		
mean	3.8	5.0
std. deviation	0.38	0.48
<i>Petal width (mm)</i>		
mean	8.1	12.3
std. deviation	0.70	0.95

Colour of petal (RHS)

upper side - newly open	2A (brighter than)	14A
upper side - fully open	3A to 7A (brighter than)	9A
lower side - newly open	2B	14A
lower side - fully open	3C	9A

*reference variety



Erysimum: 'Lemon Zest' (left) with reference variety 'Precious Gold' (right)



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