



APPLICATIONS UNDER EXAMINATION

MECARDONIA

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(Mecardonia)

Proposed denomination: 'Sunmecakira'
Trade name: Prima Large Yellow
Application number: 08-6181
Application date: 2008/02/21
Applicant: Suntory Flowers Limited, Tokyo, Japan
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Kiyoshi Miyazaki, Shiga, Japan

Variety used for comparison: 'USMECA67' (Goldflake)

Summary: *The plants of 'Sunmecakira' are narrower, with shorter shoot length than those of 'USMECA67'. The leaves of 'Sunmecakira' are shorter and narrower than those of 'USMECA67'. The corolla of 'Sunmecakira' is slightly darker yellow than that of 'USMECA67'. There are many conspicuous veins on the corollas of 'Sunmecakira' whereas there are few to medium on 'USMECA67'.*

Description:

PLANT: semi-erect to spreading growth habit, dense branching
 STEM: weak to medium intensity of anthocyanin colouration, no stem wings

LEAVES: simple, ovate, dentate margin incisions, many teeth, no variegation, medium green, very weak pubescence

FLOWER: weak to medium intensity of anthocyanin colouration on pedicel, medium reflexing of corolla lobes, yellow (RHS 9A) on upper side

VEINS ON UPPER LOBES: brown purple (RHS 183A), medium to strong conspicuousness, many in number

Origin and Breeding: 'Sunmecakira' originated from the cross between '3Mec8A' and '01T9', made in 2004 at Higashiomi-shi, Shiga, Japan. Seedlings obtained from the cross were grown in pots in a glasshouse and evaluated. Some seedlings were selected based on growth habit, flower size and colour. The selected plants were propagated by cuttings and grown in trials. In 2006, one plant was chosen and named 'Sunmecakira'.

Tests and Trials: Trials for 'Sunmecakira' were conducted in a polyhouse during the summer of 2009 in St. Thomas, Ontario. The trial included a total of 15 plants of each of the candidate and reference varieties. All plants were grown from rooted cuttings and transplanted into 15 cm pots on May 5, 2009. Observations and measurements were taken from 10 plants of each variety on June 11, 2009. All colour determinations were made using the 2001 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'Sunmecakira'

	'Sunmecakira'	'USMECA67'*
<i>Plant: height (cm)</i>		
mean	8.2	6.3
std. deviation	1.11	0.59
<i>Plant: width (cm)</i>		
mean	32.7	59.6
std. deviation	2.56	6.30
<i>Shoot: length (cm)</i>		
mean	17.3	33.6
std. deviation	1.23	3.40

<i>Leaf length (cm)</i>		
mean	2.6	3.1
std. deviation	0.20	0.28
<i>Leaf width (cm)</i>		
mean	1.2	2.1
std. deviation	0.12	0.16
<i>Colour of corolla lobes (RHS)</i>		
upper side	9A-B	6A
*reference variety		



Mecardonia: 'Sunmecakira' (left) with reference variety 'USMECA67' (right)



Mecardonia: 'Sunmecakira' (left) with reference variety 'USMECA67' (right)