



APPLICATIONS UNDER EXAMINATION

CUPHEA

CUPHEA
(Cuphea procumbens)

Proposed denomination: 'Ri Reeda'
Trade name: Rico Red
Application number: 07-5712
Application date: 2007/01/09
Applicant: Goldsmith Seeds, Inc., Gilroy, California, United States of America
Agent in Canada: Brenda Cole, BioFlora Inc., St. Thomas, Ontario
Breeder: Jason Jandrew, Goldsmith Seed Inc., Mountain View, California, United States of America

Variety used for comparison: 'Flamenco Rhumba'

Summary: 'Ri Reeda' has a shorter plant height and shorter leaf length than 'Flamenco Rhumba'. 'Ri Reeda' has a larger corolla diameter than 'Flamenco Rhumba'. 'Ri Reeda' has light blue violet hairs on the throat of the corolla tube while 'Flamenco Rhumba' has violet hairs. 'Ri Reeda' has slightly darker petal colour than 'Flamenco Rhumba'. 'Ri Reeda' has violet secondary colour on the petal while 'Flamenco Rhumba' has dark violet to purple secondary colour.

Description:

PLANT: upright bushy to spreading growth habit, medium degree of branching
STEM: light green, weak anthocyanin colouration, medium pubescence, medium thickness, smooth

LEAF: opposite arrangement, simple, ovate, acute apex, obtuse base, entire margin, absent or very sparse pubescence on upper side, sparse pubescence on veins and midrib on lower side, no variegation, medium green on upper side, light green on lower side, petiole present

INFLORESCENCE: raceme, terminal and axillary in position, tubular flower shape

COROLLA TUBE: weak to medium anthocyanin, light green on inner side, light blue violet hairs at throat

UPPER PETAL: orbicular shape, obtuse apex, truncate base

LOWER PETAL: obovate shape, rounded apex, cuneate base, red on upper side, violet secondary colour distributed along midvein.

Origin and Breeding: 'Ri Reeda' originated from a cross made by the breeder in Gilroy, California, USA in July 2002. The female parent was a proprietary seedling designated as 26-2, characterized by its red flowers, and the male parent was a proprietary seedling designated as 16-1, characterized by its magenta flowers. The resultant seed was sown in a greenhouse in September 2003 and in December 2003, a single plant was selected from the progeny based on large flower size and plant growth habit.

Tests and Trials: Trials for 'Ri Reeda' were conducted during the spring of 2008 in a polyhouse at BioFlora Inc. in St. Thomas, Ontario. There were 15 plants each of the candidate and reference varieties. The plants were grown from rooted cuttings which were transplanted into 15 cm pots on May 13, 2008. Observations and measurements were taken from 10 plants on June 30, 2008. All colour determinations were made using the 2001 Royal Horticulture Society (RHS) Colour Chart.

Comparison table for 'Ri Reeda'

	'Ri Reeda'	'Flamenco Rhumba'*
<i>Plant height (cm)</i>		
mean	35.1	44.1
std. deviation	2.18	1.79
<i>Leaf length (cm)</i>		
mean	4.0	5.0
std. deviation	0.42	0.41

Corolla diameter (cm)

mean	4.4	3.6
std. deviation	0.23	0.26

Colour of corolla tube (RHS)

inner side	145C-D	157A-B
hairs at throat	76A-B	N87A

Colour of upper side of corolla (RHS)

primary	50A (darker than)	50A
secondary	N80A	N79B-C

*reference variety



Cuphea: 'Ri Reeda' (left) with reference variety 'Flamenco Rhumba' (right)



Cuphea: 'Ri Reeda' (left) with reference variety 'Flamenco Rhumba' (right)
