



APPLICATIONS UNDER EXAMINATION

COREOPSIS

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(*Coreopsis*)

Proposed denomination: 'Tropical Lemonade'
Trade name: Sunshine Scarlet
Application number: 07-5947
Application date: 2007/07/06
Applicant: Terra Nova Nurseries Inc., Tigard, Oregon, United States of America
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Harini Korlipara, Terra Nova Nurseries, Inc., Canby, Oregon, United States of America

Variety used for comparison: 'Strawberry Lemonade' (Sunshine Strawberry)

Summary: *'Tropical Lemonade' has a shorter plant height and shorter leaf blade than 'Strawberry Lemonade'. The upper side of the ray floret is dark purple red with yellow streaks for 'Tropical Lemonade' while it is dark purple red for 'Strawberry Lemonade'. The lower side of the ray floret is yellow orange for 'Tropical Lemonade' while it is blue pink for 'Strawberry Lemonade'. 'Tropical Lemonade' has dark purple red at the margins and apex on the lower side of the aged ray floret while 'Strawberry Lemonade' has dark purple red in streaks and at the margin of the aged ray floret.*

Description:

PLANT: dwarf, bushy upright growth habit, medium branching

STEM: light green, absent to very weak anthocyanin colouration, no pubescence, thin, smooth shape

LEAF: opposite arrangement, simple, oblong, acuminate apex, attenuate base, entire margin, absent to very sparse pubescence on upper and lower side, medium glaucosity on upper side, medium green on upper and lower side, no variegation, no petiole

PEDUNCLE: weak anthocyanin colouration, absent to very sparse pubescence

INFLORESCENCE: solitary, terminal position, erect attitude

RAY FLORET: few to medium, touching to overlapping, straight longitudinal axis, obovate shape, apex lobed, very weak recurvature of tip, absent to very weak pubescence, upper side dark purple red with streaks of yellow, lower side yellow orange, aged floret orange brown underlaid with yellow on upper side and dark purple red at margins and apex on lower side, disc present.

Origin and Breeding: 'Tropical Lemonade' was discovered at Terra Nova Nurseries, in Canby, Oregon, USA, as a branch mutation from a proprietary seedling. The mutation was placed in tissue culture where further selections were made. The new variety was selected based on flower colour and dwarf mounding habit.

Tests and Trials: Trials for 'Tropical Lemonade' were conducted during the summer of 2008 in a polyhouse at BioFlora Inc. in St. Thomas, Ontario. There were 15 plants each of the candidate and reference variety. The plants were grown from rooted cuttings which were transplanted into 15 cm pots on April 28, 2008. Observations and measurements were taken from 10 plants on August 8, 2008. All colour determinations were made using the 2001 Royal Horticulture Society (RHS) Colour Chart.

Comparison table for 'Tropical Lemonade'

	'Tropical Lemonade'	'Strawberry Lemonade'*
<i>Plant height (cm)</i>		
mean	13.8	16.3
std. deviation	1.93	2.04

Leaf blade length (cm)

mean	2.5	3.6
std. deviation	0.46	0.43

Colour of ray floret (RHS)

upper side	N34A with streaks of 12A	60A with tones darker than 59A
lower side	20B	186C

*reference variety



Coreopsis: 'Tropical Lemonade' (left) with reference variety 'Strawberry Lemonade' (right)



Tropical Lemonade

Strawberry Lemonade

Coreopsis: 'Tropical Lemonade' (left) with reference variety 'Strawberry Lemonade' (right)



Tropical Lemonade

Strawberry Lemonade

Coreopsis: 'Tropical Lemonade' (left) with reference variety 'Strawberry Lemonade' (right)