



**APPLICATIONS UNDER EXAMINATION**

**COREOPSIS**

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*(Coreopsis)*

**Proposed denomination:** 'Core Yel'  
**Trade name:** Corey Yellow  
**Application number:** 07-5708  
**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:** Ralph T. Perkins, Goldsmith Seeds Inc., Gilroy, California, United States of America

**Variety used for comparison:** 'Little Sundial'

**Summary:** 'Core Yel' has a taller plant height than 'Little Sundial'. 'Core Yel' has thicker stems with moderate pubescence while 'Little Sundial' has thinner stems with very sparse pubescence. 'Core Yel' has a shorter leaf blade than 'Little Sundial'. 'Core Yel' has a longer peduncle and larger flower diameter than 'Little Sundial'. 'Core Yel' has a larger area of secondary colour on the upper side of the ray floret than 'Little Sundial'. The secondary colour is brown purple for 'Core Yel' while it is dark purple red for 'Little Sundial'.

**Description:**

**PLANT:** upright bushy, medium degree of branching

**STEM:** medium green, absent to very weak anthocyanin colouration, medium pubescence, medium thickness, striated to ribbed

**LEAF:** opposite arrangement, simple, lanceolate, acute apex, attenuate base, entire margin, sparse pubescence on upper and lower side, medium glaucosity, medium green on upper and lower side, no variegation, no petiole

**PEDUNCLE:** very weak to weak anthocyanin colouration, medium anthocyanin at base, no pubescence

**INFLORESCENCE:** head type, terminal position, erect attitude

**RAY FLORET:** medium number, overlapping, straight longitudinal axis, fan-shaped, medium to deep dentation at apex, very weak to weak curvature of tip, no pubescence on outer side, yellow orange on upper side, yellow on lower side, brown purple secondary colour at base of upper side.

**Origin and Breeding:** 'Core Yel' originated from an open pollination that occurred in Gilroy, California, USA in August 1997. The female parent was a proprietary seedling named CO2-F12-1, characterized by yellow coloured flowers with a red eye. The male parent was unknown. In September 2003, a single plant was selected by the breeder based on flower characteristics and a compact plant habit.

**Tests and Trials:** Trials for 'Core Yel' 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 varieties. The reference variety, 'Little Sundial' was grown from bare root plants transplanted into 1 gallon pots on March 27, 2008. The candidate variety was grown from rooted cuttings transplanted into 1 gallon pots on April 28, 2008. Observations and measurements were taken from 10 plants on June 24, 2008. All colour determinations were made using the 2001 Royal Horticulture Society (RHS) Colour Chart.

**Comparison table for 'Core Yel'**

	'Core Yel'	'Little Sundial'*
<i>Plant height (cm)</i>		
mean	39.8	21.0
std. deviation	1.32	1.41
<i>Leaf blade length (cm)</i>		
mean	8.9	10.6
std. deviation	0.42	0.84

<i>Peduncle length (cm)</i>		
mean	24.6	12.1
std. deviation	1.26	1.29
<i>Flower diameter (cm)</i>		
mean	6.6	5.1
std. deviation	0.24	0.29
<i>Ray floret colour (RHS)</i>		
upper side - main	14A (darker than)	14A
upper side - secondary	183A	N34A (darker at base)
lower side - main	12A (darker than)	14B

\*reference variety



Coreopsis: 'Core Yel' (left) with reference variety 'Little Sundial' (right)



Coreopsis: 'Core Yel' (left) with reference variety 'Little Sundial' (right)

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