



APPLICATIONS UNDER EXAMINATION

EVENING PRIMROSE

**EVENING PRIMROSE**  
*(Oenothera)*

**Proposed denomination:** 'WNCYLALEM'  
**Trade name:** Ladybird Lemonade  
**Application number:** 21-10651  
**Application date:** 2021/07/28  
**Applicant:** WinGen, LLC, Buda, Texas, United States of America  
**Agent in Canada:** BioFlora Inc., St. Thomas, Ontario  
**Breeder:** Brent D. Barnes, Riverside, California, United States of America

**Variety used for comparison:** 'WNCYLASUN' (Ladybird Sunglow)

**Summary:** *The plants of 'WNCYLALEM' are taller and narrower than those of 'WNCYLASUN'. The pubescence on the upper side of the sepal is absent or very sparse for 'WNCYLALEM' whereas it is sparse for that of 'WNCYLASUN'. The flower diameter of 'WNCYLALEM' is larger than that of 'WNCYLASUN'. The petal of 'WNCYLALEM' is a lighter yellow than the petal of 'WNCYLASUN'. The pedicel of 'WNCYLALEM' is shorter than the pedicel of 'WNCYLASUN'.*

**Description:**

PLANT: upright to semi-upright growth habit, medium density of foliage

STEM: light green, no anthocyanin colouration, medium density pubescence

LEAF: alternate arrangement along stem

LEAF BLADE: linear shape, acuminate apex, cuneate base, entire margin, dark green on upper side, sparse to medium density of pubescence on upper and lower side, petiole present

SEPAL: ovate, absent or very sparse pubescence on upper and lower side, unfused, light green on upper side

FLOWERING PERIOD: mid-season, almost continuous

FLOWER BUD: rhomboidal

PETAL: obovate, truncate to rounded apex, inner side medium yellow (RHS 2B) towards base and light yellow (RHS 3D) towards apex

ANTHER: yellow before dehiscence

FILAMENT: yellow

INFERIOR OVARY: light green

**Origin and Breeding:** 'WNCYLALEM' originated from a self-pollination conducted on April 25, 2017 in Bonsall, California, USA with the proprietary parent variety designated '17TX073-02'. From the resulting progeny, a single plant was selected on September 13, 2018 in Bonsall, California, USA based on plant vigour, growth habit, flower size, flower colour, flower abundance and length of flowering period. 'WNCYLALEM' was initially asexually propagated by cuttings on September 18, 2018 in Bonsall, California, USA.

**Tests and Trials:** The comparative trial for 'WNCYLALEM' was conducted in a polyhouse during the spring of 2023 at BioFlora, Inc. in St. Thomas, Ontario. The trial included a total of 15 plants each of the candidate and reference variety. All plants were grown from rooted cuttings and transplanted into 15 cm pots on April 17, 2023. Observations and measurements were taken from 10 plants, or parts of plants, of each variety on June 5, 2023. The mean differences were significant at the 5% probability level based on a paired Student's t-test. All colour determinations were made using the 2015 Royal Horticultural Society (RHS) colour chart.

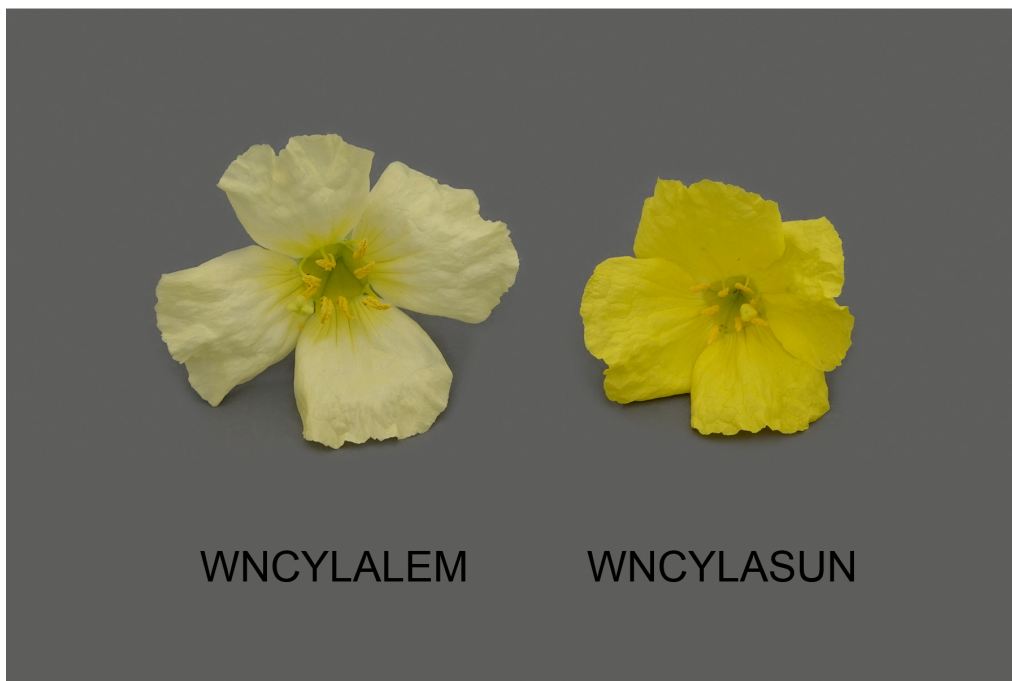
Comparison table for 'WNCYLALEM'

	'WNCYLALEM'	'WNCYLASUN'*
<i>Plant height (cm)</i>		
mean	12.7	10.2
std. deviation	1.06	0.75
<i>Plant width (cm)</i>		
mean	26.9	31.8
std. deviation	2.76	2.49
<i>Flower diameter (cm)</i>		
mean	5.5	5.0
std. deviation	0.45	0.29
<i>Pedicle length (mm)</i>		
mean	0.9	1.0
std. deviation	0.07	0.08
<i>Petal colour (RHS)</i>		
main colour of upper side	2B towards base with 3D towards apex	Closest to 3A

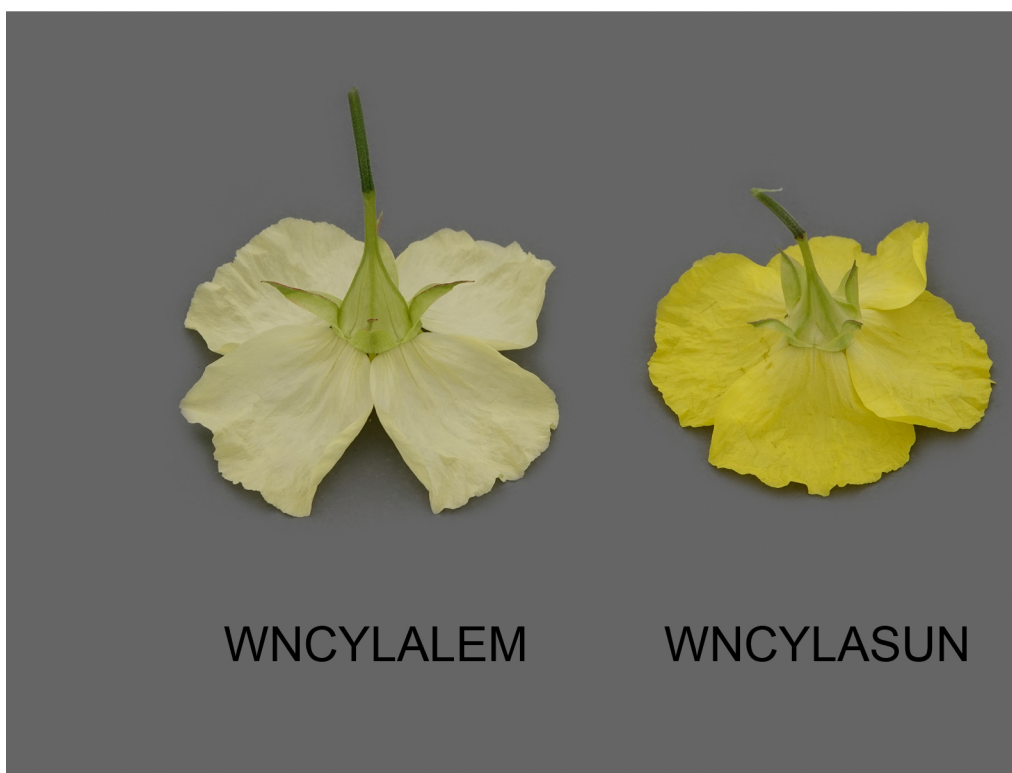
\*reference variety



Evening Primrose: 'WNCYLALEM' (left) with reference variety 'WNCYLASUN' (right)



Evening Primrose: 'WNCYLALEM' (left) with reference variety 'WNCYLASUN' (right)



Evening Primrose: 'WNCYLALEM' (left) with reference variety 'WNCYLASUN' (right)