



PORTULACA/PURSLANE
(*Portulaca oleracea*)

Proposed denomination: 'WNPORMYEL23'
Application number: 23-11285
Application date: 2023/04/18
Applicant: WinGen, LLC, Buda, Texas, United States of America
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Benjamin Kent Winslow, Austin, Texas, United States of America

Variety used for comparison: 'Pazzaz Yellow Imp.'

Summary: *The plants of 'WNPORMYEL23' are larger than the plants of 'Pazzaz Yellow Imp.'. The upper side of the leaf of 'WNPORMYEL23' has a medium to strong intensity of anthocyanin colouration at the margin while that of 'Pazzaz Yellow Imp.' has a weak to medium intensity of anthocyanin colouration. The lower side of the leaf of 'WNPORMYEL23' has a strong intensity of anthocyanin colouration at the margin while that of 'Pazzaz Yellow Imp.' has a weak intensity of anthocyanin colouration. The corolla of 'WNPORMYEL23' has a larger diameter than that of 'Pazzaz Yellow Imp.'. The corolla lobe of 'WNPORMYEL23' has a weak undulation of margin while the corolla lobe of 'Pazzaz Yellow Imp.' has a medium degree of undulation at the margin.*

Description:

PLANT: horizontal growth habit with arching branches

STEM: light green, medium intensity of anthocyanin colouration, strong glaucosity, absent or very sparse pubescence, small diameter

LEAF: simple type, petiole present

LEAF BLADE: obovate, obtuse apex, cuneate base, entire margin

LEAF BLADE (UPPER SIDE): light green to blue green, medium to strong intensity of anthocyanin colouration along margin, medium degree of glaucosity

LEAF BLADE (LOWER SIDE): light green to blue green, strong intensity of anthocyanin colouration along margin

SEPAL: ovate, acute apex, absent or very weak recurvature of tip

COROLLA: single type, free arrangement of lobes, entire margin, weak undulation of margin

PETAL: touching arrangement, few in number, obovate in shape, emarginated to truncate apex, inner side medium yellow (closest to but brighter than RHS 12A), outer side medium yellow (closest to RHS9)

Origin and Breeding: 'WNPORMYEL23' originated from a controlled cross conducted in June, 2017 in Alajuela, Costa Rica between the female parent variety 'Sundome Yellow' and the male parent variety 'Mojave Yellow'. A single seedling was selected from the resultant progeny in October 2018, based on plant vigor, plant habit, flower size, flower colour and duration of flower opening. Asexual reproduction of 'WNPORMYEL23' was first conducted by cuttings in October 2018 in Texas, U.S.A.

Tests and Trials: The comparative trial for 'WNPORMYEL23' was conducted in a polyhouse at BioFlora Inc. in St. Thomas, Ontario during the summer of 2023. The trial included a total of 20 plants each of the candidate and reference variety. All plants were grown from rooted cuttings and transplanted into 15 cm pots. Observations and measurements were taken from 10 plants, or 10 parts of plants, of each variety. 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.

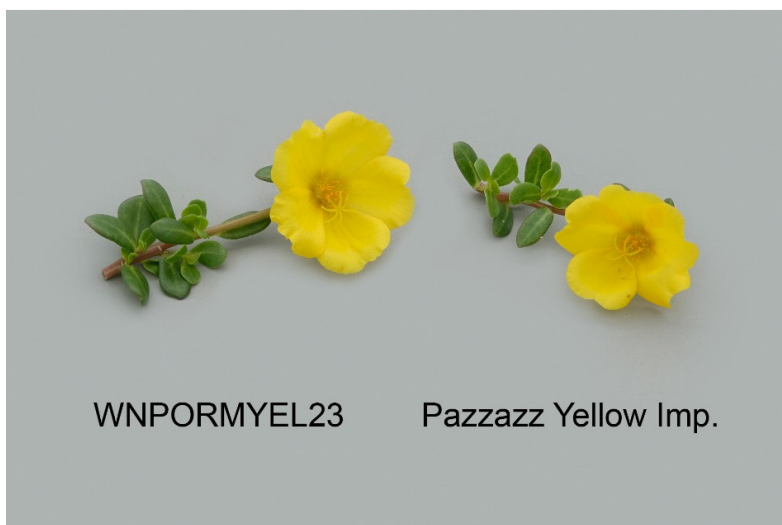
Comparison table for 'WNPORMYEL23'

	'WNPORMYEL23'	'Pazzaz Yellow Imp.'*
<i>Plant height (cm)</i>		
mean	7.1	5.9
std. deviation	0.88	1.11
<i>Plant width (cm)</i>		
mean	25.1	22.4
std. deviation	2.29	2.05
<i>Corolla diameter (cm)</i>		
mean	3.4	2.7
std. deviation	0.31	0.38
<i>Petal width (cm)</i>		
mean	1.3	1.5
std. deviation	0.11	0.26

*reference variety



Portulaca/purslane: 'WNPORMYEL23' (left) with reference variety 'Pazzazz Yellow Imp.' (right)



Portulaca/purslane: 'WNPORMYEL23' (left) with reference variety 'Pazzazz Yellow Imp.' (right)