



APPLICATIONS UNDER EXAMINATION

SANVITALIA

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(Sanvitalia)

Proposed denomination: 'KLESP06163'
Trade name: Tsavo Golden Yellow
Application number: 06-5547
Application date: 2006/07/07
Applicant: Nils Klemm, Stuttgart, Germany
Agent in Canada: Brenda Cole, BioFlora Inc., St. Thomas, Ontario
Breeder: Nils Klemm, Stuttgart, Germany

Variety used for comparison: 'Sunny Star'

Summary: 'KLESP06163' has a narrower plant width than 'Sunny Star'. 'KLESP06163' has weaker stem anthocyanin colouration and thinner stems than 'Sunny Star'. 'KLESP06163' has denser pubescence on the stem than 'Sunny Star'. 'KLESP06163' has a smaller leaf blade than 'Sunny Star'.

Description:

PLANT: semi-upright to trailing growth habit, dense branching

STEM: red brown, weak anthocyanin colouration, medium anthocyanin at nodes, thin, smooth

LEAF: opposite arrangement, simple, elliptic to ovate, acute apex, obtuse base, entire margin, sparse pubescence on upper and lower side, dark green on upper side, light green on lower side, no variegation, no petiole

SEPAL: elliptic to rhombic

INFLORESCENCE: head

RAY FLORET: medium number, ligulate to elliptic, obtuse apex, weak recurvature of tip, entire margin, yellow orange (RHS 14A) on upper side, light yellow (RHS 9C) with dark green stripes (RHS 143C) on lower side.

Origin and Breeding: 'KLESP06163' originated from an open pollination between the proprietary seedling W 066 and an unknown male parent, made in Stuttgart, Germany in 2003. In May 2004, 90 seedlings were selected in Stuttgart, one of which would be designated as 'KLESP06163'. Selection criteria included growth habit, leaf quality, flower quality, early flowering and flower abundance. In 2005, the seedlings were evaluated in greenhouse trials and assessed for the same traits. Outdoor performance trials were conducted to assess tolerance to rain and temperature, and flowering period.

Tests and Trials: Trials for 'KLESP06163' were conducted during the spring/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 11 cm pots on May 15, 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.

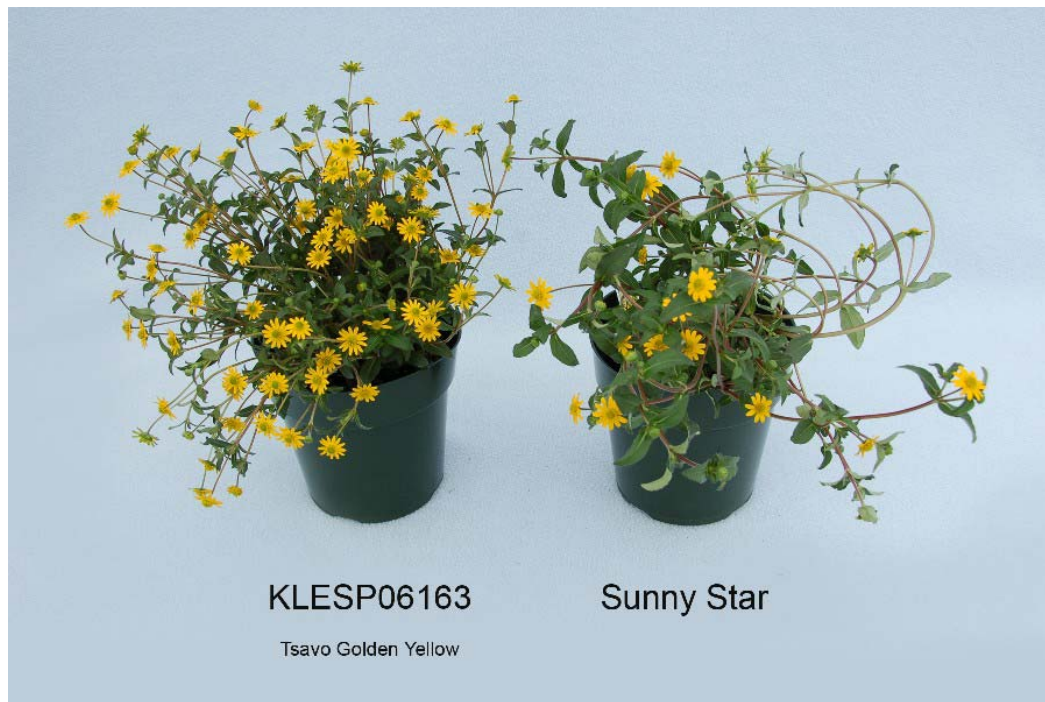
Comparison table for 'KLESP06163'

	'KLESP06163'	'Sunny Star'*
<i>Plant width (cm)</i>		
mean	28.7	35.3
std. deviation	2.36	2.71
<i>Leaf blade length (cm)</i>		
mean	2.3	3.0
std. deviation	0.23	0.21

Leaf blade width (cm)

mean	1.0	1.4
std. deviation	0.09	0.05

*reference variety



Sanvitalia: 'KLESP06163' (left) with reference variety 'Sunny Star' (right)



Sanvitalia: 'KLESP06163' (left) with reference variety 'Sunny Star' (right)



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