



APPLICATIONS UNDER EXAMINATION

SANVITALIA

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(*Sanvitalia*)

Proposed denomination: 'KLESP07168'
Trade name: Tsavo Double Gold
Application number: 07-5778
Application date: 2007/03/01
Applicant: Nils Klemm, Stuttgart, Germany
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Nils Klemm, Stuttgart, Germany

Variety used for comparison: 'Yellow Sprite'

Summary: 'KLESP07168' has a wider plant width than 'Yellow Sprite'. 'KLESP07168' has a medium number of branches while 'Yellow Sprite' has many branches. 'KLESP07168' has a higher number of ray florets than 'Yellow Sprite'. 'KLESP07168' differs slightly in the colour on the upper side of the ray floret than 'Yellow Sprite'.

Description:

PLANT: bushy spreading growth habit, medium number of branches

STEM: medium green, medium anthocyanin colouration, dense pubescence, medium thickness, smooth shape

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

SEPAL: oblong and elliptic

FLOWER: head type inflorescence, double, many ray florets

RAY FLORET: ovate shape, retuse apex, medium recurvature of tip, entire margin, upper side yellow orange (RHS 17B) with yellow (RHS 9A) at tip, lower side yellow (RHS 12B) with yellow orange (RHS 13B) along margin, veins green

Origin and Breeding: 'KLESP07168' originated from an open pollination that took place in July 2005 at Stuttgart, Germany. The pollination was between the female parent, a proprietary seedling designated X 052 and an unknown male parent. In May 2006, several seedlings were selected one of which would be designated 'KLESP07168'. Selection criteria included vigour, flower size, plant habit, branching and flower quality. In 2006, the seedlings were evaluated in greenhouse trials in Stuttgart, Germany and assessed for early flowering, growth habit and branching characteristics. Outdoor performance trials were conducted to assess tolerance to rain and temperature, and length of the flowering period.

Tests and Trials: Trials for 'KLESP07168' were conducted in a polyhouse during the summer of 2009 in St. Thomas, Ontario. The trial included 15 plants each of the candidate and reference varieties. All plants were grown from rooted cuttings and transplanted into 11 cm pots on May 5, 2009. Observations and measurements were taken from 10 plants of each variety on June 23, 2009. All colour determinations were made using the 2001 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'KLESP07168'

	'KLESP07168'	'Yellow Sprite'*
<i>Plant width (cm)</i>		
mean	51.9	39.1
std. deviation	6.83	3.73
<i>Number of ray florets</i>		
mean	31	21

Colour of ray floret (RHS)

upper side

17B, 9A at tips

14A-B, 9A at tips

*reference variety



Sanvitalia: 'KLESP07168' (left) with reference variety 'Yellow Sprite' (right)



Sanvitalia: 'KLESP07168' (left) with reference variety 'Yellow Sprite' (right)