



APPLICATIONS UNDER EXAMINATION

DAHLIA

DAHLIA (*Dahlia*)

Proposed denomination: 'Golia Dbbro'
Trade name: Goldalia Orange '10
Application number: 09-6484
Application date: 2009/01/30
Applicant: Syngenta Crop Protection AG, Basel, Switzerland
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Pim Kaagman, Goldsmith Seeds, Europe B.V., Andijk, The Netherlands

Varieties used for comparison: 'Balnovapse' (Dahlietta Apricot Sunrise) and 'Golia Scarl' (Goldalia Scarlet)

Summary: *The plants of 'Golia Dbbro' are shorter than the plants of 'Balnovapse'. The peduncle length is shorter for 'Golia Dbbro' than for 'Balnovapse'. The flower head is single for 'Golia Dbbro' while it is semi-double for 'Balnovapse'. The flower head of 'Golia Dbbro' is smaller in diameter than the flower head of 'Balnovapse'. The flower head of 'Golia Dbbro' has collar segments present while the flower head of 'Balnovapse' has no collar segments. The ray florets of 'Golia Dbbro' have two colours while the ray florets of 'Golia Scarl' have one colour. The lower side of the ray floret of 'Golia Dbbro' is similar in colour to the upper side while the ray floret of 'Golia Scarl' is markedly different on the lower side.*

Description:

PLANT: upright growth habit, green stem

LEAF: predominantly simple, absent or very weak leaf wing, medium green, weak glossiness, smooth or very weak rugose texture, veins flat

LEAFLET: elliptic shape, acute base, few to medium incisions on margin, incisions shallow to medium in depth

PEDUNCLE: green

FLOWER: at same level in relation to foliage, semi-upright to horizontal attitude, single, daisy type, collar segments present, collar segments three quarters the length of the ray florets

RAY FLORETS: medium length to width ratio, two keels on upper surface, weakly concave in cross section, flat to weakly revolute margin with rolling in middle half, longitudinal axis straight to reflexing, weak curvature at distal half, absent or very weak twisting, apex retuse, inner side red (RHS 45A-44A) with yellow green (RHS 1B) at tip when newly opened, red to orange brown (RHS 34A-B) with yellow green (RHS 1B) secondary colour when fully opened, secondary colour distributed at distal half in diffuse stripes, outer side similar to inner side in colour

DISC: small diameter relative to flower head, yellow-orange before anther dehiscence, orange at anther dehiscence, collar segments yellow green (RHS 1B).

Origin and Breeding: The dahlia variety 'Golia Dbbro' originated from a cross made in August 2006 in Andijk, The Netherlands. The female parent was a proprietary line designated D05-117-3 and the male parent was a proprietary line designated D05-116-3. The resultant seed was sown in a greenhouse in November 2006. In February 2007, a single plant from the progeny was selected based on flower colour, plant habit and production characteristics.

Tests and Trials: Trials for 'Golia Dbbro' were conducted in a polyhouse during the spring of 2010 at BioFlora Inc. in St. Thomas, Ontario. The trial included a total of fifteen plants of the candidate and reference varieties. All plants were grown from rooted cuttings and transplanted into 11 cm pots on May 18, 2010. Observations and measurements were taken from ten plants or parts of plants on June 16, 2010. All colour determinations were made using the 2007 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'Golia Dbbro'

	'Golia Dbbro'	'Balnovapse'*	'Golia Scarl'*
<i>Plant height (cm)</i>			
mean	11.8	22.5	12.3
std. deviation	0.71	1.05	1.51
<i>Peduncle length (cm)</i>			
mean	5.0	9.3	5.9
std. deviation	0.42	1.65	1.02
<i>Flower head diameter (cm)</i>			
mean	6.7	7.5	6.9
std. deviation	0.22	0.28	0.27
<i>Main colour of inner side of ray floret (RHS)</i>			
newly opened	45A-44A	42A	42A (darker than)
fully opened	34A-B	34A (redder than)	42A
<i>Secondary colour of inner side of ray floret (RHS)</i>			
fully opened	1B	1A	N/A

*reference varieties



Dahlia: 'Golia Dbbro' (left) with reference varieties 'Balnovapse' (centre) and 'Golia Scarl' (right)



Dahlia: 'Golia Dbbro' (left) with reference varieties 'Balnovapse' (centre) and 'Golia Scarl' (right)

Proposed denomination: 'Golia Dbyel'
Trade name: Goldalia Yellow
Application number: 09-6486
Application date: 2009/01/30
Applicant: Syngenta Crop Protection AG, Basel, Switzerland
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Pim Kaagman, Goldsmith Seeds, Europe B.V., Andijk, The Netherlands

Variety used for comparison: 'Margaret Improved' (Dahlietta Margaret)

Summary: *The peduncle of 'Golia Dbyel' is longer than the peduncle of 'Margaret Improved'. The flower of 'Golia Dbyel' is single while the flower of 'Margaret Improved' is a daisy eyed double. The flower head of 'Golia Dbyel' has collar segments present while the flower head of 'Margaret Improved' has no collar segments. The ray floret of 'Golia Dbyel' has a dentate apex while the ray floret of 'Margaret Improved' has a pointed apex.*

Description:

PLANT: upright growth habit, green stem

LEAF: predominantly simple, absent or very weak leaf wing, medium length to width ratio, medium green, weak glossiness, smooth or very weakly rugose texture, veins flat

LEAFLET: elliptic and broad ovate shape, acute base, few to medium number of incisions on margin, incisions medium in depth

PEDUNCLE: green

FLOWER: at same level in relation to foliage, semi-upright to horizontal attitude, single, daisy type, collar segments present, collar segments three quarters the length of ray florets, few ray florets

RAY FLORETS: medium length to width ratio, two keels on upper surface, moderately to weakly concave in cross section at mid point, weakly concave changing to convex at three quarters point with age, no rolling of margin, longitudinal axis

weakly incurving to straight, weak curvature at distal half, absent or very weak twisting, apex dentate, inner side yellow green (RHS 1B), outer side yellow green (RHS 1C)

DISC: small to medium diameter relative to flower head, yellow-orange before and at anther dehiscence, collar segments yellow green (RHS 1C).

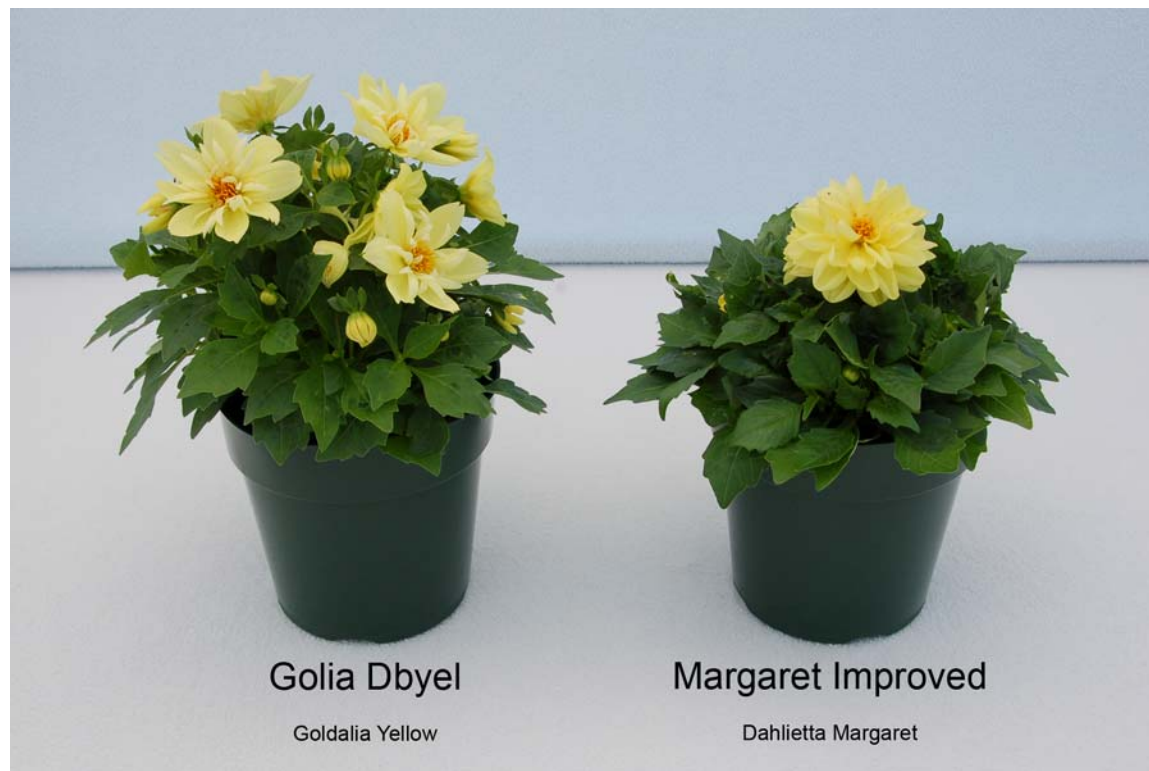
Origin and Breeding: The dahlia variety 'Golia Dbyel' originated from a cross made in August 2006 in Andijk, The Netherlands. The female parent was a proprietary line designated D05-115-4 and the male parent was a proprietary line designated D05-115-5. The resultant seed was sown in a greenhouse in November 2006. In February 2007, a single plant from the progeny was selected based on flower colour, plant habit and production characteristics.

Tests and Trials: Trials for 'Golia Dbyel' were conducted in a polyhouse during the spring of 2010 at BioFlora Inc. in St. Thomas, Ontario. The trial included a total of fifteen plants of the candidate and reference varieties. All plants were grown from rooted cuttings and transplanted into 11 cm pots on May 18, 2010. Observations and measurements were taken from ten plants or parts of plants on June 16, 2010. All colour determinations were made using the 2007 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'Golia Dbyel'

	'Golia Dbyel'	'Margaret Improved'
<i>Peduncle length (cm)</i>		
mean	6.9	5.4
std. deviation	0.68	0.61

*reference variety



Dahlia: 'Golia Dbyel' (left) with reference variety 'Margaret Improved' (right)



Dahlia: 'Golia Dbyel' (left) with reference variety 'Margaret Improved' (right)

Proposed denomination:	'Golia Rosbi'
Trade name:	Goldalia Rose Bicolor
Application number:	09-6485
Application date:	2009/01/30
Applicant:	Syngenta Crop Protection AG, Basel, Switzerland
Agent in Canada:	BioFlora Inc., St. Thomas, Ontario
Breeder:	Pim Kaagman, Goldsmith Seeds, Europe B.V., Andijk, The Netherlands

Variety used for comparison: 'Dapavio' (Dahlietta Caroline)

Summary: *The plants of 'Golia Rosbi' are shorter than the plants of 'Dapavio'. The peduncle of 'Golia Rosbi' is shorter than the peduncle of 'Dapavio'. The flower of 'Golia Rosbi' is single while the flower of 'Dapavio' is a daisy eyed double. The flower head diameter is smaller for 'Golia Rosbi' than for 'Dapavio'. The ray florets of 'Golia Rosbi' have secondary colour present while the ray florets of 'Dapavio' have no secondary colour.*

Description:

PLANT: upright growth habit, green stem

LEAF: predominantly simple, no leaf wing, elongated length to width ratio, medium green, weak glossiness, weakly rugose texture, veins slightly raised

LEAFLET: broad ovate shape, obtuse or cuneate base, medium to many incisions on margin, incisions shallow to medium in depth

PEDUNCLE: green

FLOWER: medium length to width ratio, at same level in relation to foliage, semi-upright to horizontal attitude, single, daisy type, no collar segments, few ray florets

RAY FLORETS: two keels on upper surface, weakly concave in cross section, flat to weakly revolute margin with rolling at basal half, longitudinal axis weakly reflexing with curvature at distal part, absent or very weak twisting, apex dentate, inner

side purple red (RHS N66B) streaked with dark purple red (RHS 53A), white (RHS 155A) secondary colour at basal half and yellow green (RHS 1C) at base, secondary colour in a solid or nearly solid pattern, outer side light blue pink (RHS 69B), fading to white (RHS NN155D) with streaks of purple (RHS 67A)

DISC: small diameter relative to flower head, yellow-orange before and after anther dehiscence.

Origin and Breeding: The dahlia variety 'Golia Rosbi' originated from a cross made in August 2006 in Andijk, The Netherlands. The female parent was a proprietary line designated D05-100-2 and the male parent was a proprietary line designated D05-100-4. The resultant seed was sown in a greenhouse in November 2006. In February 2007, a single plant from the progeny was selected based on flower colour, plant habit and production characteristics.

Tests and Trials: Trials for 'Golia Rosbi' were conducted in a polyhouse during the spring of 2010 at BioFlora Inc. in St. Thomas, Ontario. The trial included a total of fifteen plants of the candidate and reference varieties. All plants were grown from rooted cuttings and transplanted into 11 cm pots on May 10, 2010. Observations and measurements were taken from ten plants or parts of plants on June 15, 2010. All colour determinations were made using the 2007 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'Golia Rosbi'

	'Golia Rosbi'	'Dapavio'*
<i>Plant height (cm)</i>		
mean	13.0	17.6
std. deviation	0.91	1.50
<i>Peduncle length (cm)</i>		
mean	4.4	7.9
std. deviation	0.86	1.35
<i>Flower head diameter (cm)</i>		
mean	5.9	7.3
std. deviation	0.41	0.36
<i>Main colour of ray floret (RHS)</i>		
inner side - main	N66B, streaked with 53A	N66A-B with 53A at basal half
inner side - secondary	155A at basal half with 1C at base	N/A
outer side	69B fading to NN155D with streaks of 67A	N66A-B with 53A at basal half, keels NN155A
*reference variety		



Golia Rosbi

Goldalia Rose Bicolor

Dapavio

Dahlietta Caroline

Dahlia: 'Golia Rosbi' (left) with reference variety 'Dapavio' (right)



Golia Rosbi

Dapavio

Dahlia: 'Golia Rosbi' (left) with reference variety 'Dapavio' (right)