



APPLICATIONS UNDER EXAMINATION

STRAWFLOWER / PAPER DAISY

STRAWFLOWER / PAPER DAISY
(Bracteantha bracteata)

Proposed denomination: 'Helisbrabic'
Application number: 06-5648
Application date: 2005/11/25 (priority claimed)
Applicant: Syngenta Crop Protection AG, Basel, Switzerland
Agent in Canada: Brenda Cole, BioFlora Inc., St. Thomas, Ontario
Breeder: D. van Kleinwee, Syngenta Seeds B.V., Enkhuizen, The Netherlands

Variety used for comparison: 'Outback Wallaby Flame'

Summary: *The predominant position of the flower heads of 'Helisbrabic' is high above the the foliage whereas it is level with or just above the foliage for 'Outback Wallaby Flame'. The flower buds of 'Helisbrabic' have a pointed apex while those of 'Outback Wallaby Flame' have a rounded apex. 'Helisbrabic' has a bi-coloured involucre with multi-coloured bracts whereas 'Outback Wallaby Flame' has a one-coloured involucre with one-coloured bracts. The bracts of 'Helisbrabic' are longer and have weaker incurving than those of 'Outback Wallaby Flame'. The lower bracts of 'Helisbrabic' are blue pink with a white base, purple to purple red apex and brown purple tip while those of 'Outback Wallaby Flame' are orange brown with a yellow brown and light yellow base, brown red apex and brown purple tip. The upper bracts of 'Helisbrabic' are white and light blue pink in the middle with a white and blue pink apex while those of 'Outback Wallaby Flame' are dark purple red in the middle with yellow margins and base and dark purple red apex.*

Description:

PLANT: erect growth habit, medium density
STEM: moderate pubescence

LEAF BLADE: length:width ratio is 1:0.15, broadest part is in middle position, acuminate apex, no variegation, medium green on upper side, moderate pubescence on upper side, absent or very sparse pubescence on lower side, weak to moderate undulation of margin

PEDUNCLE: branching present

BUD: pointed apex, purple to purple red with white base

FLOWER HEAD: predominantly positioned high above foliage, lower part is convex in lateral view, upper part is concave to flat in lateral view, few bracts

INVOLUCRE: bi-coloured

BRACT: multi-coloured, no striations, weak incurving

LOWER BRACT: upper side is white on lower third, blue pink on middle third and purple to purple red with brown purple tip on upper third

UPPER BRACT: upper side is white with light blue pink on middle third and white with blue pink on upper third

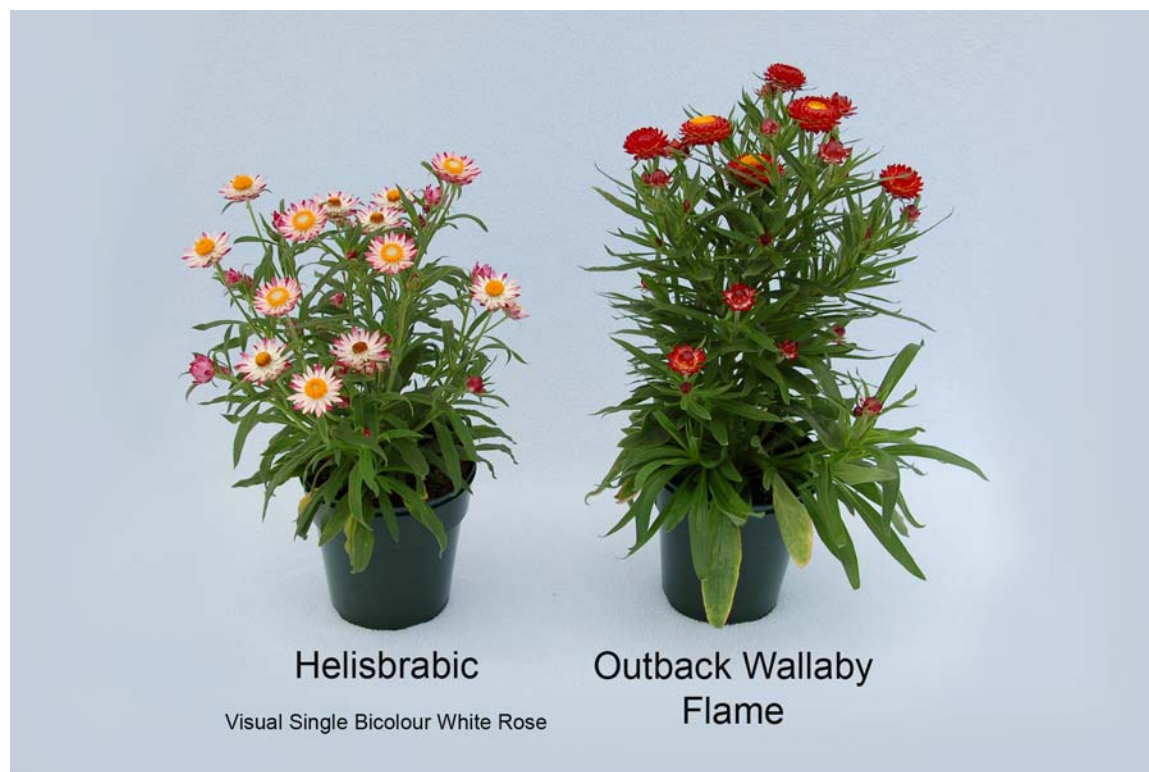
PAPPUS: white

Origin and Breeding: 'Helisbrabic' was developed by the breeder, D. van Kleinwee, an employee of Syngenta Seeds B.V. in Enkhuizen, The Netherlands. It originated from a controlled cross made in 2002 between the female parent designated 'B0541-1' and the male parent designated 'C3185-1'. 'Helisbrabic' was selected from the resultant progeny as a single plant in 2003. In 2004, it was tested as a clone in Enkhuizen, The Netherlands for greenhouse and field performance, earliness, branching, flower colour, flower size and flowering continuity. Also in 2004, it was tested for heat and drought stress resistance in Sarriens, Southern France.

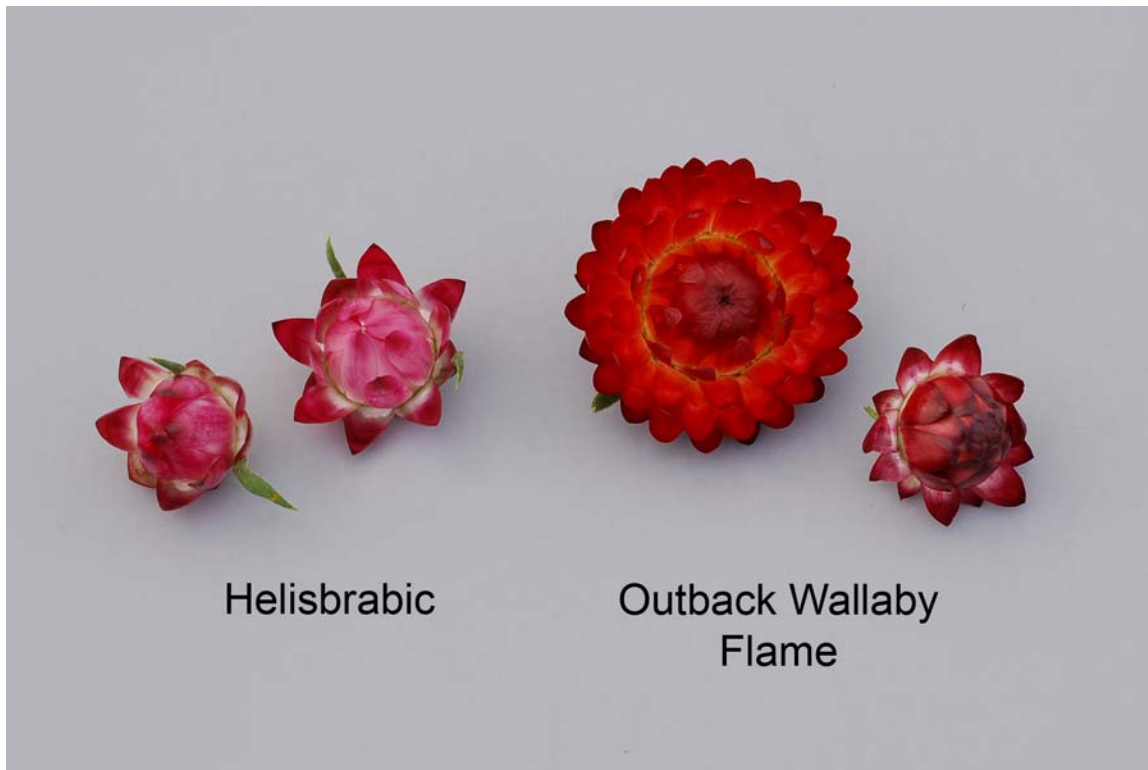
Tests and Trials: Trials for 'Helisbrabic' were conducted in a polyhouse during the spring of 2008 at BioFlora Inc. in St. Thomas, Ontario. The trial included 15 plants per variety. Rooted cuttings were transplanted into 15 cm pots on May 13, 2008. Measured characteristics were based on measurements taken from 10 plants or parts of plants on July 2, 2008. All colour determinations were made using the 2001 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'Helisbrabic'

	'Helisbrabic'	'Outback Wallaby Flame**'
<i>Colour of flower head (RHS)</i>		
bud	59C-D with N155B base	163C with 187A tip and yellow base
lower bract - lower third	155D	168C-D with 5D base
lower bract - middle third	63B-C	169A
lower bract - upper third	59C-D with 187A tip	180A with 183A tip
upper bract - middle third	N155D with 62C-D	N34A with 5C margins and base
upper bract - upper third	N155D with 62A-B	N34A
<i>Bract length (cm)</i>		
mean	1.3	0.9
std. deviation	0.07	0.08
*reference variety		



Strawflower / Paper Daisy: 'Helisbrabic' (left) with reference variety 'Outback Wallaby Flame' (right)



Helisbrabic

Outback Wallaby
Flame

Strawflower / Paper Daisy: 'Helisbrabic' (left) with reference variety 'Outback Wallaby Flame' (right)



Helisbrabic

Outback Wallaby
Flame

Strawflower / Paper Daisy: 'Helisbrabic' (left) with reference variety 'Outback Wallaby Flame' (right)

Proposed denomination: 'Helisbraliyel'
Trade name: Visual Double Golden Yellow
Application number: 06-5649
Application date: 2005/11/25 (priority claimed)
Applicant: Syngenta Crop Protection AG, Basel, Switzerland
Agent in Canada: Brenda Cole, BioFlora Inc., St. Thomas, Ontario
Breeder: D. van Kleinwee, Syngenta Seeds B.V., Enkhuizen, The Netherlands

Variety used for comparison: 'Flobragbi' (Sundaze Golden Beauty)

Summary: *The stems of 'Helisbraliyel' have moderate to dense pubescence while those of 'Flobragbi' have very sparse to sparse pubescence. 'Helisbraliyel' has a larger flower head diameter and lighter yellow bracts than 'Flobragbi'.*

Description:

PLANT: erect growth habit, medium to dense

STEM: moderate to dense pubescence

LEAF BLADE: length:width ratio is 1:0.10, broadest part is in middle position, acute and cuspidate apices, no variegation, medium green on upper side, dense pubescence on upper side, very sparse pubescence on lower side, weak undulation of margin

PEDUNCLE: branching present

BUD: pointed apex, yellow

FLOWER HEAD: predominantly positioned high above foliage, lower part is convex in lateral view, upper part is concave to flat in lateral view, few bracts

INVOLUCRE: one-coloured

BRACT: one-coloured, upper side is yellow, no striations, weak incurving

PAPPUS: yellow

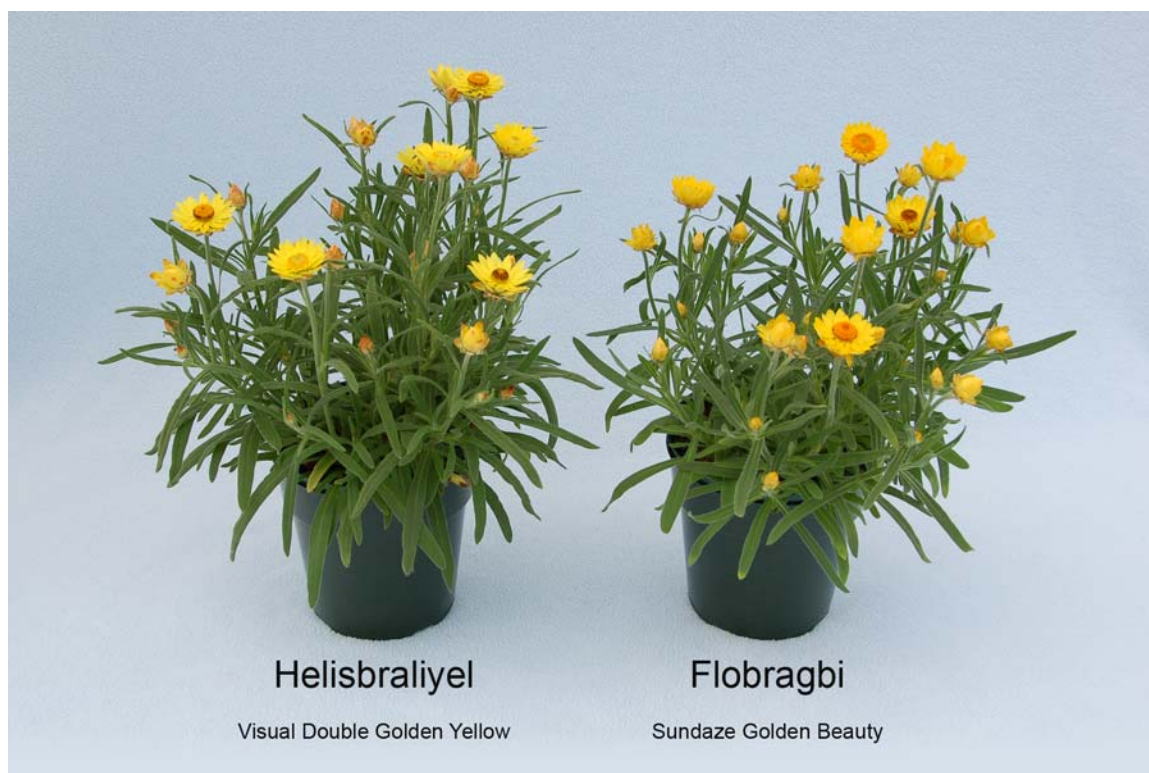
Origin and Breeding: 'Helisbraliyel' was developed by the breeder, D. van Kleinwee, an employee of Syngenta Seeds B.V. in Enkhuizen, The Netherlands. It originated from a controlled cross made in 2002 between the female parent designated 'B0468-1' and the male parent designated 'C3404-1'. 'Helisbraliyel' was selected from the resultant progeny as a single plant in 2003. In 2004, it was tested as a clone in Enkhuizen, The Netherlands for greenhouse and field performance, earliness, branching, flower colour, flower size and flowering continuity. Also in 2004, it was tested for heat and drought stress resistance in Sarrians, Southern France.

Tests and Trials: Trials for 'Helisbraliyel' were conducted in a polyhouse during the spring of 2008 at BioFlora Inc. in St. Thomas, Ontario. The trial included 15 plants per variety. Rooted cuttings were transplanted into 15 cm pots on May 13, 2008. Measured characteristics were based on measurements taken from 10 plants or parts of plants on July 2, 2008. All colour determinations were made using the 2001 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'Helisbraliyel'

	'Helisbraliyel'	'Flobragbi'*
<i>Flower head diameter (cm)</i>		
mean	4.4	4.0
std. deviation	0.20	0.15
<i>Colour of flower head (RHS)</i>		
bud	darker than 3A	3A with tones of 13A
bract - upper side	darker than 3A	brighter than 5A with 13A streaks

*reference variety



Strawflower / Paper Daisy: 'Helisbraliyel' (left) with reference variety 'Flobragbi' (right)



Strawflower / Paper Daisy: 'Helisbraliyel' (left) with reference variety 'Flobragbi' (right)



Strawflower / Paper Daisy: 'Helisbraliyel' (left) with reference variety 'Flobragbi' (right)

Proposed denomination: 'Stabur Yel'
Trade name: StrawBurst Yellow
Application number: 07-5716
Application date: 2007/01/09
Applicant: Goldsmith Seeds, Inc., Gilroy, California, United States of America
Agent in Canada: Brenda Cole, BioFlora Inc., St. Thomas, Ontario
Breeder: Jason Jandrew, Goldsmith Seed Inc., Mountain View, California, United States of America

Variety used for comparison: 'OHB003790' (Dreamtime Jumbo Yellow)

Summary: *The leaf blades of 'Stabur Yel' have stronger undulation of the margin than those of 'OHB003790'. 'Stabur Yel' has a larger flower head diameter than 'OHB003790'. The bracts of 'Stabur Yel' are greater in number per flower head and broader than those of 'OHB003790'. In lateral view, the upper part of the flower head of 'Stabur Yel' is concave to flat whereas that of 'OHB003790' is flat to convex.*

Description:

PLANT: erect growth habit, medium density
 STEM: sparse pubescence

LEAF BLADE: length:width ratio is 1:0.23, broadest part is in middle position, acute and acuminate apices, no variegation, medium green on upper side, very sparse pubescence on upper and lower sides, moderate to strong undulation of margin

PEDUNCLE: branching present

BUD: rounded apex, yellow (closest to RHS 3A)

FLOWER HEAD: predominantly positioned level with or just above foliage, lower part is concave in lateral view, upper part is concave to flat in lateral view, many bracts

INVOLUCRE: one-coloured

BRACT: one-coloured, yellow (RHS 2A) on upper side, striations present, weak incurving

PAPPUS: white

Origin and Breeding: ‘Stabur Yel’ was developed by the breeder, Jason Jandrew, an employee of Goldsmith Seeds, Inc., in Gilroy, California, U.S.A. as part of a planned breeding program. It originated from a cross made in May 2005 between the female parent designated ‘340-1’, a proprietary seedling with lemon yellow flowers, and the male parent designated ‘320-1’, another proprietary seedling with yellow flowers. The resultant seed was sown in a greenhouse in September 2005. ‘Stabur Yel’ was selected in December 2005 based on its large flower size, flower colour and full, compact plant growth habit.

Tests and Trials: Trials for ‘Stabur Yel’ were conducted in a polyhouse during the spring of 2008 at BioFlora Inc. in St. Thomas, Ontario. The trial included 15 plants per variety. Rooted cuttings were transplanted into 15 cm pots on May 13, 2008. Measured characteristics were based on measurements taken from 10 plants or parts of plants on July 2, 2008. All colour determinations were made using the 2001 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for ‘Stabur Yel’

	‘Stabur Yel’	‘OHB003790’*
<i>Flower head diameter (cm)</i>		
mean	6.3	5.4
std. deviation	0.32	0.16
<i>Bract width (cm)</i>		
mean	0.7	0.6
std. deviation	0.11	0.05

*reference variety



Strawflower / Paper Daisy: ‘Stabur Yel’ (left) with reference variety ‘OHB003790’ (right)



Strawflower / Paper Daisy: 'Stabur Yel' (left) with reference variety 'OHB003790' (right)



Strawflower / Paper Daisy: 'Stabur Yel' (left) with reference variety 'OHB003790' (right)