



APPLICATIONS UNDER EXAMINATION

BRACHYSCOME

**BRACHYSCOME**  
*(Brachyscome multifida)*

**Proposed denomination:** 'Bramipuro'  
**Application number:** 06-5646  
**Application date:** 2006/11/09  
**Applicant:** Syngenta Seeds B.V., Enkhuizen, The Netherlands  
**Agent in Canada:** Brenda Cole, BioFlora Inc., St. Thomas, Ontario  
**Breeder:** D. van Kleinwee, Syngenta Seeds B.V., Enkhuizen, The Netherlands

**Varieties used for comparison:** 'Brapurblu' and 'Multifida Blue'

**Summary:** 'Bramipuro' has smaller plants than 'Multifida Blue' and smaller flower heads than both 'Brapurblu' and 'Multifida Blue'. On the first day of opening, the upper side of the ray florets are redder violet for 'Bramipuro' while they are bluer violet for the reference varieties. 'Bramipuro' has fewer ray florets per flower head than 'Multifida Blue'.

**Description:**

PLANT: bushy and upright growth habit, medium number of stems, dense

LEAF: divided along full length, depth of divisions is greater than two thirds from margin to mid-rib, regularity of lobing is uniform

LEAF LOBE: width of broadest lobe is narrow, linear to oblanceolate shape, pointed apex, absent or very weak secondary divisions

FLOWER STEM: weak intensity of anthocyanin colouration

FLOWER BUD: violet (RHS N81C-D)

FLOWER HEAD: positioned moderately above foliage, average of 22.8 ray florets per flower head

DISC: green (RHS N144C) before opening of disc florets, yellow (RHS 5A) when all disc florets open, less than one third diameter of flower head

RAY FLORET: oblanceolate shape, upper side is violet on first day of opening, upper side darkens to violet (RHS N87A) after first day of opening and fades to violet (RHS 85C) with age

**Origin and Breeding:** 'Bramipuro' was developed by the breeder, D. van Kleinwee, an employee of Syngenta Seeds B.V. in Enkhuizen, The Netherlands. It originated from a cross made in 2001 between the female parent designated 'C3084-3' and mixed pollen from unidentified male *Brachyscome multifida* plants. 'Bramipuro' was selected from the resultant progeny as a single plant in 2002. In 2003, it was tested as a clone based on criteria for greenhouse and field performance, earliness, branching and foliage colour. Also in 2003, 'Bramipuro' was tested for heat and drought stress resistance in Sarrians, Southern France.

**Tests and Trials:** Trials for 'Bramipuro' were conducted in a polyhouse during the spring of 2008 at BioFlora Inc. in St. Thomas, Ontario. The trial included a total of 15 plants per variety. All plants were grown from rooted cuttings and transplanted into 11.5 cm pots on May 13, 2008. Measured characteristics were based on measurements taken from 10 plants or parts of plants on June 24, 2008. All colour determinations were made using the 2001 Royal Horticultural Society (RHS) Colour Chart.

**Comparison table for 'Bramipuro'**

	'Bramipuro'	'Brapurblu'*	'Multifida Blue'*
<i>Plant height including flowers (cm)</i>			
mean	15.4	12.6	18.8
std. deviation	0.85	1.69	1.53

*Plant width including flowers (cm)*

mean	25.7	22.2	36.5
std. deviation	1.99	1.36	1.87

*Flower head diameter (cm)*

mean	1.9	2.2	2.2
std. deviation	0.11	0.08	0.16

*Colour of ray floret on first day of opening (RHS)*

upper side	N82B	N87B	N87C
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\*reference varieties



Brachyscome: 'Bramipuro' (left) with reference varieties 'Brapurblu' (centre) and 'Multifida Blue' (right)



Brachyscome: 'Bramipuro' (left) with reference varieties 'Brapurblu' (centre) and 'Multifida Blue' (right)

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**Varieties used for comparison:** 'Bramipuro' and 'Multifida Blue'

**Summary:** 'Brapurblu' has smaller plants than 'Multifida Blue' and larger flower heads than 'Bramipuro'. On the first day of opening, the upper side of the ray floret is bluer violet for 'Brapurblu' than 'Bramipuro' which is redder violet and 'Multifida Blue' which is lighter blue violet. 'Brapurblu' has fewer ray florets per flower head than 'Multifida Blue'.

**Description:**

**PLANT:** bushy and upright growth habit, medium number of stems, dense

**LEAF:** divided along full length, depth of divisions is greater than two thirds from margin to mid-rib, regularity of lobing is uniform

**LEAF LOBE:** width of broadest lobe is narrow, linear to oblanceolate shape, pointed apex, absent or very weak secondary divisions

**FLOWER STEM:** absent or very weak intensity of anthocyanin colouration

**FLOWER BUD:** violet (RHS N82C-D)

**FLOWER HEAD:** positioned moderately above foliage, average of 25.0 ray florets per flower head

**DISC:** yellow (duller and greener than RHS 7B) before opening of disc florets, yellow (RHS 7A) when all disc florets open, less than one third diameter of flower head

**RAY FLORET:** oblanceolate shape, upper side is violet on first day of opening, upper side fades to violet to blue violet (RHS N88C/N87C) after first day of opening and fades further to blue violet (RHS N88C-D) with age

**Origin and Breeding:** ‘Brapurblu’ was developed by the breeder, D. van Kleinwee, an employee of Syngenta Seeds B.V. in Enkhuizen, The Netherlands. It originated from a cross made in 2002 between the female parent designated ‘D3070-3’ and mixed pollen from unidentified male *Brachyscome multifida* plants. ‘Brapurblu’ was selected from the resultant progeny as a single plant in 2003. In 2004, it was tested as a clone based on criteria for greenhouse and field performance, earliness, branching and foliage colour. Also in 2004, ‘Brapurblu’ was tested for heat and drought stress resistance in Sarrians, Southern France.

**Tests and Trials:** Trials for ‘Brapurblu’ were conducted in a polyhouse during the spring of 2008 at BioFlora Inc. in St. Thomas, Ontario. The trial included a total of 15 plants per variety. All plants were grown from rooted cuttings and transplanted into 11.5 cm pots on May 13, 2008. Measured characteristics were based on measurements taken from 10 plants or parts of plants on June 24, 2008. All colour determinations were made using the 2001 Royal Horticultural Society (RHS) Colour Chart.

**Comparison table for ‘Brapurblu’**

	‘Brapurblu’	‘Bramipuro’*	‘Multifida Blue’*
<i>Plant height including flowers (cm)</i>			
mean	12.6	15.4	18.8
std. deviation	1.69	0.85	1.53
<i>Plant width including flowers (cm)</i>			
mean	22.2	25.7	36.5
std. deviation	1.36	1.99	1.87
<i>Flower head diameter (cm)</i>			
mean	2.2	1.9	2.2
std. deviation	0.08	0.11	0.16
<i>Colour of ray floret on first day of opening (RHS)</i>			
upper side	N87B	N82B	N87C

\*reference varieties



Brachyscome: ‘Brapurblu’ (left) with reference varieties ‘Bramipuro’ (centre) and ‘Multifida Blue’ (right)



Brachyscome: 'Brapurblu' (left) with reference varieties 'Bramipuro' (centre) and 'Multifida Blue' (right)

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