



APPLICATIONS UNDER EXAMINATION

AGERATUM

AGERATUM
(Ageratum houstonianum)

Proposed denomination: 'Agadef't
Trade name: Patina Delft
Application number: 07-6037
Application date: 2006/11/30 (priority claimed)
Applicant: Syngenta Crop Protection AG, Basel, Switzerland
Agent in Canada: Brenda Cole, BioFlora Inc., St. Thomas, Ontario
Breeder: Monica Sanders, Syngenta Seeds B.V., Enkhuizen, The Netherlands

Variety used for comparison: 'Agetis' (Artist Alto Blue)

Summary: *Anthocyanin colouration of the stems of 'Agadef't is absent whereas it is moderate for those of 'Agetis'. 'Agadef't has narrower leaves and shorter petioles than 'Agetis'. 'Agadef't has fewer flowers per inflorescence than 'Agetis'. The colour of the unopened disc of 'Agadef't is white while that of 'Agetis' is blue violet. The colour of the disc after dehiscence of 'Agadef't is violet blue fading to light violet blue as it ages while that of 'Agetis' is blue violet changing to violet blue as it ages.*

Description:

PLANT: annual type, bushy to upright growth habit, dense branching

STEM: light to medium green, no anthocyanin colouration, dense pubescence, medium to thick

LEAF: simple type

LEAF BLADE: ovate shape, apex ranging from acute to obtuse, cordate base, crenate margin, weak blistering, moderate pubescence on upper side, sparse to moderate pubescence on lower side, light to medium green on upper side, no variegation, petiole present

INFLORESCENCE: average of 9.0 flowers per inflorescence

PEDICEL: no anthocyanin colouration

DISC (CAPITULUM): white

DISC FLORETS: violet blue fading to light violet blue as they age

Origin and Breeding: 'Agadef't was bred and developed by the breeder, M. Sanders, an employee of Syngenta Seeds B.V., Enkhuizen, The Netherlands. It originated from a controlled pollination made in October 2002 between the female parent designated 'W0052-7' and the male parent designated 'X0012-3'. 'Agadef't was selected as a single seedling in August 2003 based on its compact plant habit, branching, flower size and flower colour.

Tests and Trials: Trials for 'Agadef't 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. Rooted cuttings were transplanted into 15 cm pots on April 13, 2008. Measured characteristics were based on measurements taken from 10 plants or parts of plants on June 11, 2008. All colour determinations were made using the 2001 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'Agadef't

	'Agadef't	'Agetis**
<i>Leaf blade width (cm)</i>		
mean	3.9	5.0
std. deviation	0.33	0.59
<i>Petiole length (mm)</i>		
mean	0.6	1.4
std. deviation	0.28	0.31

Number of flowers per inflorescence

mean	9.0	14.8
std. deviation	1.87	2.17

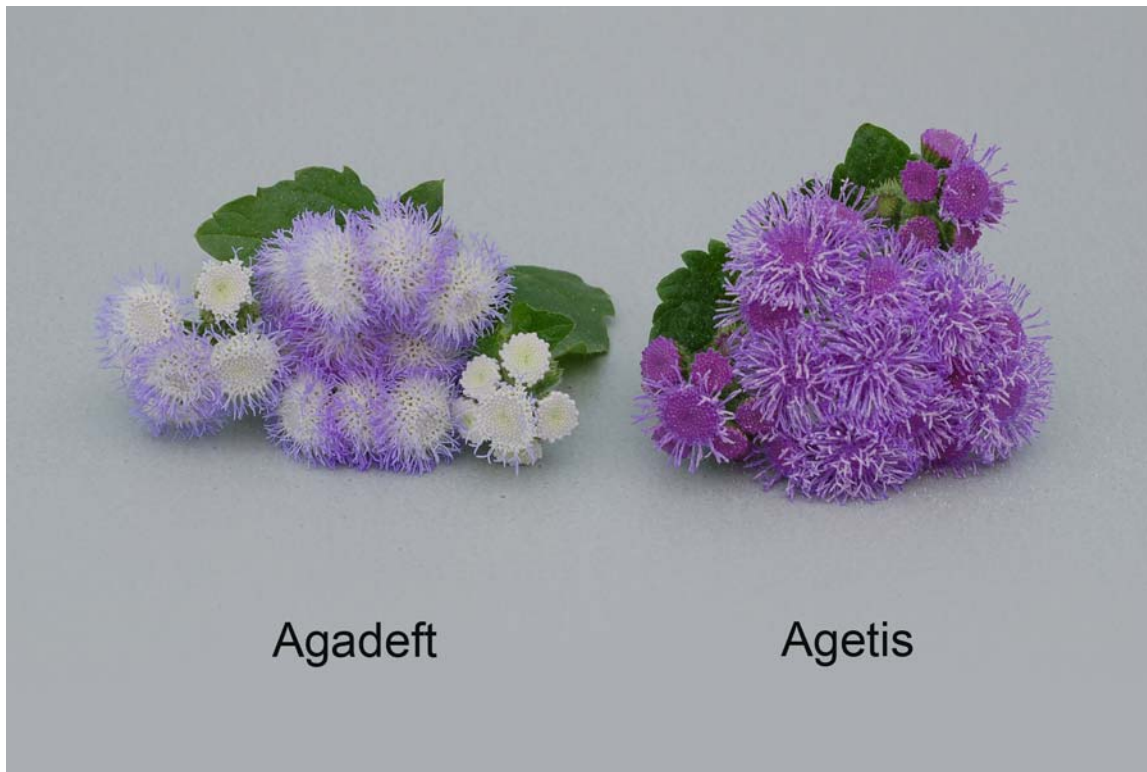
Colour of disc (RHS)

disc (capitulum) before florets open	lighter than 155C	83C
opened floret disc	94C	N88C
aged floret disc	bluer than 93D	92A

*reference variety



Ageratum: 'Agadeft' (left) with reference variety 'Agetis' (right)



Ageratum: 'Agadeft' (left) with reference variety 'Agetis' (right)

Proposed denomination:	'Agbilir'
Trade name:	Patina Dark Rose
Application number:	07-6038
Application date:	2006/11/30 (priority claimed)
Applicant:	Syngenta Crop Protection AG, Basel, Switzerland
Agent in Canada:	Brenda Cole, BioFlora Inc., St. Thomas, Ontario
Breeder:	Monica Sanders, Syngenta Seeds B.V., Enkhuizen, The Netherlands

Variety used for comparison: 'Agmontis' (Artist Purple)

Summary: 'Agbilir' has larger leaves and more flowers per inflorescence than 'Agmontis'. The colour of the unopened disc of 'Agbilir' is purple while that of 'Agmontis' is darker purple. The colour of the disc after dehiscence of 'Agbilir' is purple and fades to light violet as it ages while that of 'Agmontis' is violet and does not change as it ages.

Description:

PLANT: annual type, bushy rounded growth habit, medium to dense branching

STEM: medium green, no anthocyanin colouration, moderate to dense pubescence, medium thickness

LEAF: simple type

LEAF BLADE: ovate shape, acute apex, cordate base, serrate margin, weak blistering, sparse to moderate pubescence on upper and lower sides, dark green on upper side, no variegation, petiole present

INFLORESCENCE: average of 9.6 flowers per inflorescence

PEDICEL: no anthocyanin colouration

DISC (CAPITULUM): purple

DISC FLORETS: purple fading to light violet as they age

Origin and Breeding: 'Agbilir' was bred and developed by the breeder, M. Sanders, an employee of Syngenta Seeds B.V., Enkhuizen, The Netherlands. It originated from a controlled pollination made in October 2002 between the female parent

designated 'X0052-4' and the male parent designated 'X0101-7'. 'Agbilir' was selected as a single seedling in August 2003 based on its compact plant habit, branching, flower size and flower colour.

Tests and Trials: Trials for 'Agbilir' 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. Rooted cuttings were transplanted into 15 cm pots on April 13, 2008. Measured characteristics were based on measurements taken from 10 plants or parts of plants on June 11, 2008. All colour determinations were made using the 2001 Royal Horticultural Society (RHS) Colour Chart.

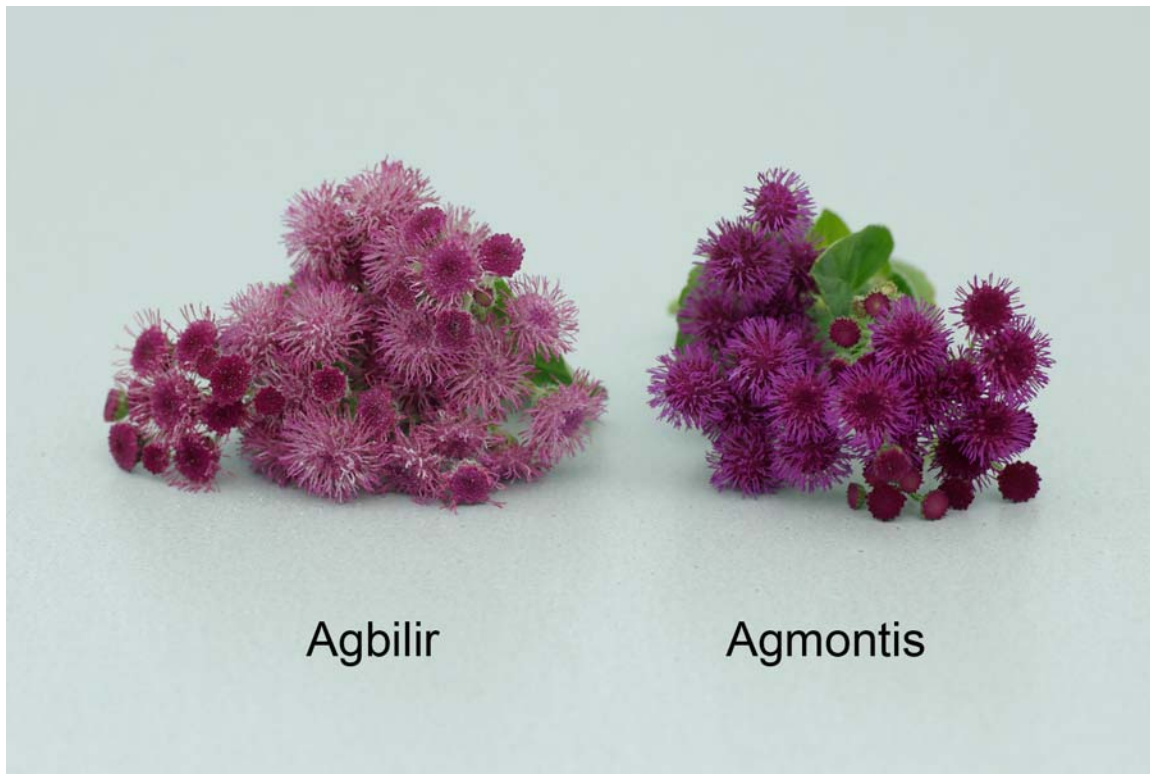
Comparison table for 'Agbilir'

	'Agbilir'	'Agmontis'*
<i>Leaf blade length (cm)</i>		
mean	2.9	2.2
std. deviation	0.30	0.19
<i>Leaf blade width (cm)</i>		
mean	3.6	2.5
st. deviation	0.57	0.09
<i>Number of flowers per inflorescence</i>		
mean	9.6	7.2
std. deviation	1.5	1.3
<i>Colour of disc (RHS)</i>		
disc (capitulum) before florets open	darker than 71A	darker than N79C
opened floret disc	72A	N81A
aged floret disc	N82A-B	N/A

*reference variety



Ageratum: 'Agbilir' (left) with reference variety 'Agmontis' (right)



Ageratum: 'Agbilir' (left) with reference variety 'Agmontis' (right)
