



APPLICATIONS UNDER EXAMINATION

EUPATORIUM

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(Eupatorium)

Proposed denomination: 'Phantom'
Application number: 06-5232
Application date: 2006/02/15
Applicant: Oudshoorn, Hubertus, Rijpwetering, The Netherlands
Agent in Canada: Variety Rights Management, Oxford Station, Ontario
Breeder: Hubertus Oudshoorn, Rijpwetering, The Netherlands

Variety used for comparison: 'Atropurpureum'

Summary: 'Phantom' has a taller plant height and wider plant width than 'Atropurpureum'. 'Phantom' has strong anthocyanin colouration in the stem while 'Atropurpureum' has medium anthocyanin. 'Phantom' has a shorter leaf blade than 'Atropurpureum'. 'Phantom' has a larger inflorescence diameter than 'Atropurpureum'.

Description:

PLANT: upright bushy growth habit, medium degree of branching
 STEM: green purple, strong anthocyanin colouration

LEAF: whorled arrangement, simple, lanceolate to ovate shape, acuminate apex, serrate margin, upper side dark green, weak anthocyanin colouration, no variegation

INFLORESCENCE: one medium to long flowering period, flowers mid to late season, corymb, both terminal and axillary in position, erect attitude, flower bud violet to light blue violet (RHS 75C to 76C), open florets blue pink to violet (RHS N74D to 75A).

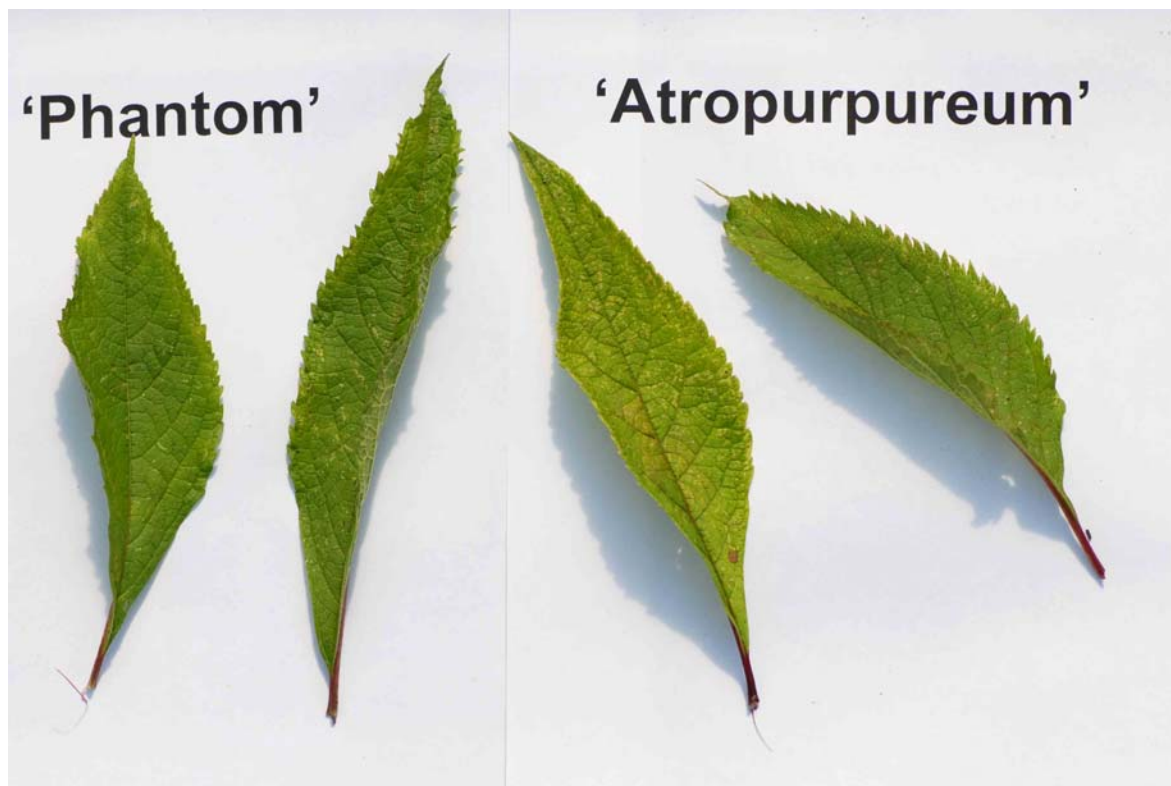
Origin and Breeding: 'Phantom' is the result of a cross between two un-named seedlings made in 2002 in a nursery in Rijpwetering, The Netherlands. The new variety was selected from the seedling population in 2003 based on improved smaller plant form, good foliage traits and good floral traits.

Tests and Trials: Trials were conducted during the summer of 2009 in Oxford Station, Ontario. Nine plants of each variety were grown in 15 cm pots in a polyhouse. Plants were spaced approximately 60 cm apart. Observations and measurements were taken on 9 plants of each variety. Colours were determined using the 2001 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'Phantom'

	'Phantom'	'Atropurpureum'*
<i>Plant height (cm)</i>		
mean	102.20	90.50
std. deviation	6.42	11.54
<i>Plant width (cm)</i>		
mean	52.57	43.86
std. deviation	9.61	4.22
<i>Leaf blade length (cm)</i>		
mean	16.58	18.17
std. deviation	1.43	1.29
<i>Inflorescence width (cm)</i>		
mean	34.60	29.20
std. deviation	2.70	5.81

*reference variety



Eupatorium: 'Phantom' (left) with reference variety 'Atropurpureum' (right)



Eupatorium: 'Phantom' (left) with reference variety 'Atropurpureum' (right)