



APPLICATIONS UNDER EXAMINATION

POINSETTIA

POINSETTIA (*Euphorbia pulcherrima*)

Proposed denomination: 'Fismired'
Application number: 08-6398
Application date: 2008/07/04
Applicant: Syngenta Crop Protection AG, Basel, Switzerland
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Katharina Zerr, Höhr-Grenzhausen, Germany

Variety used for comparison: 'Duechamp'

Summary: *The plants of 'Fismired' are tall while those of 'Duechamp' are medium height. The stems of 'Fismired' have medium anthocyanin colouration on the middle third while those of 'Duechamp' have weak anthocyanin colouration. The leaf blades of 'Fismired' have a deep sinus while those of 'Duechamp' have a moderately deep sinus. The transitional leaves of 'Fismired' have strong lobing while those of 'Duechamp' have medium lobing. The upper and lower sides of the bracts of 'Fismired' differ in colour from those of 'Duechamp'.*

Description:

PLANT: branching present, few branches, tall, broad

STEM: absent or very weak green colour on middle third, medium anthocyanin colouration on middle third, absent or weak anthocyanin colouration on upper third

LEAF BLADE: medium to long, medium width, ovate, wedge-shaped or rounded, one colour on upper side, medium to strong green colour, green and red main vein on upper side, medium number of lobes, deep sinus, absent or weak curvature of main vein

PETIOLE: short to medium length, absent or very weak green colour on upper side, strong anthocyanin colouration on upper and lower sides

TRANSITIONAL LEAVES: medium to many partly bract-coloured, many fully bract-coloured, strong lobing, absent or weak curvature along main vein of fully bract-coloured

BRACT: few to medium number, short to medium length, narrow, elliptic, one colour on upper side, red (RHS 45B/C) on upper side, no spotting on upper side, red to dark pink red (RHS 45B/53C) on lower side, no folding along main vein, absent or present twisting, absent or very weak rugosity between veins

CYME: medium width

CYATHIUM: medium to large glands, orange gland, no deformation of gland, early opening

Origin and Breeding: 'Fismired' originated from a pollination between 'Fiselfi' and 'Fispoin 7776' in July of 2002. The new Poinsettia was discovered and developed by the breeder Katharina Zerr, an employee of Fischer Germany GmbH, in Hillscheid, Germany, as part of a planned breeding program. 'Fismired' was selected in October of 2003 based on colour, flowering time, branch attitude and productivity. Asexual reproduction of the variety was first conducted in April 2004, in Hillscheid, Germany when the selection was grafted to rootstocks of 'Beckman's Altrosa'.

Tests and Trials: The detailed description of 'Fismirwhi' is based on the UPOV Report of Technical Examination, application number 2008/0764, purchased from the Community Plant Variety Office, Angers, France. The trials were conducted by the Department of Horticulture at the University of Aarhus, Aarslev, Denmark, in 2009. Colour determinations were made using the 2001 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'Fismired'

	'Fismired'	'Duechamp'*
<i>Colour of bract (RHS)</i>		
upper side	45B/C	45A
lower side	45B/53C	53B

*reference variety



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Description:

PLANT: branching present, very many branches, medium to tall, medium to broad

STEM: medium to strong green colour on middle third, absent or very weak anthocyanin colouration on middle third, absent or very weak anthocyanin colouration on upper third

LEAF BLADE: medium to long, broad, ovate, rounded base, one colour on upper side, strong green colour, main vein on upper side only green, medium number of lobes, deep to very deep sinus, absent or weak curvature of main vein

PETIOLE: medium length, weak green colour on upper side, absent or very weak anthocyanin colouration on upper side, absent or weak anthocyanin colouration on lower side

TRANSITIONAL LEAVES: medium to many partly bract-coloured, many fully bract-coloured, medium lobing, medium curvature along main vein of fully bract-coloured

BRACT: one colour on upper side, light yellow (RHS 4D) on upper side, no spotting on upper side, light yellow (RHS 4D) on lower side, no folding along the main vein, absent or present twisting, weak rugosity between veins

CYME: medium width

CYATHIUM: yellow, no deformation of gland, early to mid season opening

Origin and Breeding: ‘Fismirwhi’ originated from a pollination between ‘Fiselfi’ and a mixture of pollen from about 50 plants with red coloured bracts conducted in June of 2002. The new Poinsettia was discovered and developed by the breeder Katharina Zerr, an employee of Fischer Germany GmbH, in Hillscheid, Germany, as part of a planned breeding program. ‘Fismirwhi’ was selected in October of 2003 based on colour and branching. Asexual reproduction of the variety was first conducted in May 2004, in Hillscheid, Germany when the selection was grafted to rootstocks of ‘Beckman’s Altrosa’.

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