



## APPLICATIONS UNDER EXAMINATION

## POINSETTIA

### POINSETTIA (*Euphorbia pulcherrima*)

**Proposed denomination:** 'Fismars 339'  
**Application number:** 08-6395  
**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:** 'Fismars'

**Summary:** *The plants of 'Fismars 339' are tall while those of 'Fismars' are a medium height. The anthocyanin colouration on the middle third of the stem on 'Fismars 339' is very strong whereas it is medium to strong for 'Fismars'. The anthocyanin colouration on the upper third of the stem of 'Fismars 339' is strong whereas it is medium for 'Fismars'. The upper side of the bract of 'Fismars 339' differs in red colour from that of 'Fismars'.*

#### Description:

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

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

**LEAF:** medium length, narrow to medium width, ovate, rounded base, one colour on upper side, medium to strong green colour, only red main vein on upper side, none or few lobes, shallow depth of deepest sinus, absent or weak curvature of main vein

**PETIOLE:** short, absent or very weak intensity of green colour on upper side, strong anthocyanin colouration on upper and lower sides

**TRANSITIONAL LEAVES:** few to medium number of partly bract coloured leaf blades, many fully bract coloured leaf blades, medium lobing, medium curvature along main vein of fully bract coloured leaf blade

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

**LARGEST BRACT:** short (including petiole), narrow to medium width, elliptic

**CYME:** narrow to medium width

**CYATHIUM:** medium sized yellow glands, no deformation of gland, early to medium opening of cyathia

**Origin and Breeding:** 'Fismars 339' originated as a branch mutation on a plant of the variety 'Fismars' and was discovered in April 2004. The new Poinsettia resulted from the irradiation of 'Fismars' in May 2003. 'Fismars 339' was discovered and developed by the breeder Katherina Zerr, as part of a planned breeding program. Asexual reproduction of the variety was first conducted in November 2004 in Hillscheid, Germany.

**Tests and Trials:** The detailed description of 'Fismars 339' is based on the UPOV Report of Technical Examination, application number 2008/1213, purchased from the Community Plant Variety Office, Angers, France. The trials were conducted by the University of Aarhus in Aarslev, Denmark in 2009. Colour determinations were made using the 2001 Royal Horticultural Society (RHS) Colour Chart.

**Comparison table for 'Fismars 339'**

	'Fismars 339'	'Fismars'*
<i>Colour of bract (RHS)</i>		
upper side	45B	45A

\*reference variety



Poinsettia: 'Fismars'



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