

## Evaluation Report for Category C, Subcategory 3.10; 3.11 Application

**Application Number:** 2006-5894  
**Application:** Category C, subcategories: 3.10 (tank-mix); 3.11 (new pests)  
**Product:** Stratego 250EC Fungicide  
**Registration Number:** 27528  
**Active ingredients (a.i.):** propiconazole at 125 g a.i./L, trifloxystrobin at 125 g a.i./L  
**PMRA Document Number:** 1378578

### Background

Stratego 250EC Fungicide has been registered since January 29, 2004. It is registered for the control of certain diseases on wheat, spring barley and oats. For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the product label.

### Purpose of Application

The purpose of this application was to amend the registration of Stratego 250EC Fungicide to 1) add the claim for control of spot blotch in spring barley, and 2) add the claim for a tank-mix of convenience with the herbicides Puma<sup>120</sup> Super + Refine Extra at full label rates for control of registered leaf diseases and weeds in spring barley. The proposed Stratego 250EC + Puma<sup>120</sup> Super + Refine Extra tank-mixture is currently registered in wheat.

### Chemistry, Health and Environmental Assessments

A chemistry assessment was not required since there was no change to product chemistry. A health and environmental assessment was not required since the use pattern, including host crops, application rates and timings remained unchanged.

### Value Assessment

A total of twenty-two trials conducted in Ontario, Alberta, Saskatchewan, Québec and Manitoba from 2003-2005 were submitted to support an application to add the following claims to the label of Stratego 250 EC: control of spot blotch in barley and control of net blotch, scald and spot blotch and weeds with a tank mix of convenience consisting of Stratego 250 EC Fungicide and the herbicides Refine Extra and Puma<sup>120</sup> Super. When applied at 125 g a.i./ha from flag leaf emergence to the first awns visible stage, Stratego gave commercially acceptable spot blotch control. When applied up to the 5-tiller stage, Stratego 250EC + Puma<sup>120</sup> Super + Refine Extra gave commercially acceptable control of net blotch, spot blotch and scald which was at a level comparable to that of the commercial standards Stratego and Tilt + Buctril M.

Twelve trials were conducted to assess the phytotoxic reactions of barley to Stratego alone or the tank mix. The data from 12 trials indicate that crop tolerance of spring barley to an application of Refine Extra + Puma<sup>120</sup> Super + Stratego was comparable to that of the registered treatment of Refine Extra + Puma<sup>120</sup> Super. The data provided for review support the use of the three way tank mix of Refine Extra + Puma<sup>120</sup> Super + Stratego for use in spring barley, from a crop safety point of view. Based on these reasons, the application to add claims for control of spot blotch and for control of labelled diseases and weeds with a tank mix of Stratego and Refine Extra + Puma<sup>120</sup> Super, is supported.

## **Conclusions**

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Stratego 250EC Fungicide to include the claim for spot blotch in spring barley and the proposed tank mixture of Stratego 250 EC Fungicide with the herbicides Refine Extra + Puma<sup>120</sup> Super.

## **References**

- PMRA # 1299894. Stratego<sup>TM</sup> 250EC Fungicide – Data in Support of Spot Blotch Control in Barley. February 15, 2005. Bayer CropScience. Unpublished.
- PMRA # 1299898. Stratego<sup>TM</sup> 250EC Fungicide. Data to Support a Tank mixture with Puma<sup>120</sup> Super + Refine Extra Herbicides in Barley. August 17, 2006. Bayer CropScience. Unpublished.

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