

## Evaluation Report for Category C, Subcategory 3.1, 3.10 Application

**Application Number:** 2010-0655  
**Application:** New or Changes to Product Labels-Tank Mixes; Application Rate Decrease  
**Product:** BUMPER 418 EC Fungicide  
**Registration Number:** 28017  
**Active ingredients (a.i.):** propiconazole  
**PMRA Document Number :** 1941822

### Background

BUMPER 418 EC Fungicide was first registered in Canada on May 5, 2005. It is currently registered for broad-spectrum disease control in wheat, barley, oats, canola, corn and soybeans, dry edible beans and for the suppression of septoria leaf mottle on canary seed. For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the respective product's label.

### Purpose of Application

The purpose of this application has three parts. Firstly, half the current rate is recommended for the first fungicide application on wheat and spring barley. Secondly, the timing of application intended to control septoria leaf spot and tan spot in wheat and net blotch in spring barley is modified. Lastly, a single tank-mix partner, Silencer 120 EC, for use on seed, field and sweet corn, is proposed as a replacement for the currently registered partner products: Matador 120 EC, Warrior, or Ripcord 400 EC Insecticides.

### Chemistry, Health and Environmental Assessments

A chemistry assessment was not required since there was no change to product chemistry. Health and environmental assessments were not required since application rates for the new use are equal or lower to previously registered rates.

## **Value Assessment**

Three fungicide efficacy trials conducted in 2009 in northern US states were submitted. Overall, results obtained from the proposed new use pattern for Bumper 418 EC were equivalent to the commercial standard and the currently registered Bumper 418 EC use pattern. Data was not provided to directly demonstrate efficacy against septoria leaf spot; however, this claim can be supported based on rationales and similarities with the other diseases that were tested (tan spot and barley net blotch).

The registered tank mixes of Bumper 418 EC with Matador 120 EC or Warrior Insecticide have exactly the same use instructions and the same rate of lambda-cyhalothrin as that proposed. The fact that these tank-mixes are registered indicates that there is a need for simultaneous application of propiconazole and lambda-cyhalothrin on seed, field and sweet corn. The proposed rate of lambda-cyhalothrin is acceptable, as it was previously registered for different products. The proposed use pattern is acceptable because it falls within the registered use pattern of Silencer 120 EC and is not contra-indicated by the registered label.

## **Conclusion**

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Bumper 418 EC Fungicide to include changes in the recommended rate and timing of application to control septoria leaf spot and tan spot in wheat and net blotch in spring barley, as well as a modification to the recommended tank-mix partner for use on corn.

## **References**

PMRA # 1861634. Evaluate the Efficacy and Injury Potential of Early Application of one-half Rate of Bumper versus Tilt on Diseases of Wheat and Barley. 2009. 18pp.

PMRA # 1861633. Bumper for the Control of Diseases in Cereals - half rate Study-Wheat. 2009. 11pp.

PMRA # 1861635. Bumper for the Control of Diseases in Cereals - half rate Study-Barley. 2009. 14pp.

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