



Evaluation Report for Category C, Subcategory 3.11 Application

Application Number: 2011-1275
Application: New or Changes to Product Labels - New Pests
Product: Caramba Fungicide
Registration Number: 29767
Active ingredients (a.i.): Metconazole
PMRA Document Number English PDF: 2069839

Background

Caramba Fungicide was first registered in Canada on June 2, 2010. This product is currently registered for control of various leaf diseases and suppression of fusarium head blight on small grain cereals. Caramba contains 90 g/L metconazole and belongs to the triazole chemical group. This active ingredient acts as a sterol biosynthesis inhibitor, which results in a disruption of the fungal membrane function. 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 Cat C.3.11 is to add two disease claims, control of spot blotch on wheat and leaf rust on rye, to the Caramba Fungicide label.

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 the previously registered rates.

Value Assessment

Two rationales were provided by the applicant to support the use of Caramba for control of spot blotch on wheat and leaf rust on rye. In a related submission, the efficacy data supported the use of Caramba for suppression of spot blotch on barley. The causal agent *Cochliobolus sativus* similarly infects wheat and barley, exhibiting the same characteristics of disease development on both crops. In addition, wheat and barley share substantial similarities with respect to seasonal growth and development, crop architecture and canopy size. Extrapolation from barley to wheat is considered acceptable.

Caramba is registered for leaf rust control on wheat. Leaf rust on wheat is caused by *Puccinia recondita* f. sp. *tritici*, whereas leaf rust on rye is caused by *Puccinia recondita* f. sp. *secalis*. Pest biology is comparable on wheat and rye, which have very similar crop architecture. Extrapolation from wheat to barley is considered acceptable.

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Caramba Fungicide for suppression of spot blotch on barley and control of leaf rust on rye. The Caramba label will be amended to reflect that a rate of 1.0 L/ha applied for suppression of fusarium head blight on barley, oats, rye and wheat will also preventatively control or suppress late season infections from the labelled leaf diseases.

References

- 2029628 2011, Caramba TM Fungicide (Metconazole), Petition for Application: Caramba for Control of Leaf Diseases in Cereals (Label Expansion), Data Requirement-Part 10: Value, DACO: 10.1, 10.2, 10.2.1, 10.2.2, 10.2.3, 10.2.3.1, 10.2.3.2(D), 10.2.3.3(D), 10.2.3.4(C), 10.3
- 2029629 2011, Cereals Canada Data 2007 Summary Tables, DACO: 10.2.3.3(D)
- 2029630 2011, Cereals Canada Data 2008 Summary Tables, DACO: 10.2.3.3(D)
- 2029631 2011, Cereals Canada Data 2009 Summary Tables, DACO: 10.2.3.3(D)

ISSN: 1911-8082

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