

Evaluation Report for Category C, Subcategory 3.11 Application

Application Number: 2011-1303
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: 2069833

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 submission is to add two disease claims, control of net blotch and spot blotch on barley, 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

A total of 17 trials conducted across Canada tested one application of Caramba at 0.5 and 0.7 L/ha against barley net blotch (ten trials) and spot blotch (seven trials). All fungicide treatments significantly reduced net and spot blotch severity when compared to the untreated control. Caramba reduced net blotch severity by at least 80% in two trials, including one conducted under moderate disease pressure. Caramba also resulted in an average of 5% yield increase when compared to the untreated control. Conversely to the net blotch results, Caramba did not adequately reduce spot blotch severity under moderate disease pressure.

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 control of net blotch and for suppression of spot blotch of barley. 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

- 2030112 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
- 2030113 2011, Cereals Canada Data 2007 Summary Tables, DACO: 10.2.3.3(D)
- 2030114 2011, Cereals Canada Data 2008 Summary Tables, DACO: 10.2.3.3(D)
- 2030115 2011, Cereals Canada Data 2009 Summary Tables, DACO: 10.2.3.3(D)

ISSN: 1911-8082

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