



Evaluation Report for Category C, Subcategory 3.11 Application

Application Number: 2011-1302
Application: New or Changes to Product Labels
Product: Caramba Fungicide
Registration Number: 29767
Active ingredients (a.i.): Metconazole
PMRA Document Number English PDF: 2069835

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 scald and leaf rust 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 six trials conducted in Alberta and Ontario tested one application of Caramba at 0.5 and 0.7 L/ha against scald (four trials) and leaf rust (two trials) on barley. In three of four trials, Caramba significantly reduced the severity of barley scald by 91-99% under low to moderate disease pressure. As for leaf rust, levels of protection averaged 79% and 87% with Caramba at 0.5 and 0.7 L/ha, respectively, under low disease pressure. While trials with at least moderate disease pressure are required to properly evaluate the product efficacy, metconazole has demonstrated good efficacy against another species from the genus *Puccinia* on oats and wheat in related submissions.

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 scald and leaf rust on 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

- 2030074 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
- 2030075 2011, Cereals Canada Data 2007 Summary Tables, DACO: 10.2.3.3(D)
- 2030076 2011, Cereals Canada Data 2008 Summary Tables, DACO: 10.2.3.3(D)
- 2030077 2011, Cereals Canada Data 2009 Summary Tables, DACO: 10.2.3.3(D)

ISSN: 1911-8082

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