



Evaluation Report for Category C, Subcategory 3.11 Application

Application Number: 2009-0799
Application: Category C, Subcategory 3.11 (New or Changes to Product Labels – New Pest)
Product: Quilt Fungicide
Registration Number: 28328
Active ingredients (a.i.): azoxystrobin, propiconazole [AZY, PON]
PMRA Document Number : 1770852

Background

Quilt was first registered June 15, 2006. This product is a mixture of Quadris Flowable (azoxystrobin, 26153) and Tilt 250E (propiconazole, 19346) Fungicides. Quilt is currently registered on legumes including soybeans to control Asian soybean rust and on cereals to control foliar diseases. Tank mixes with Matador 120EC and Warrior Insecticides are registered to control insects on legumes, wheat, barley, oats and corn.

Purpose of Application

This application is a Category C.3.11 submission to add the claims of control of ascochyta blight and powdery mildew on legumes to the Quilt Fungicide (28328) label. For control of powdery mildew (*Microspheera diffusa*, *Erysiphe pisi*, *E. polygoni*) on legume vegetables including soybeans and ascochyta blight (*Ascochyta* spp.) on dried shelled peas and beans, application of Quilt Fungicide is recommended at a rate of 1.0 – 1.5 L/ha. Make the first application at the first sign of disease. Apply the high rate only under conditions of high disease pressures. A second application at 10 days interval for ascochyta blight or 14 days interval for powdery mildew may be needed if conditions persist. Quilt Fungicide may be applied by air or ground application equipment.

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 the use pattern, including host crop, application rates and timings, of the component product remained unchanged.

Value Assessment

Data from three trials on chickpea was provided to support the claim for ascochyta blight. However, propiconazole is not currently registered to control this disease and the claim was withdrawn by the applicant. Powdery mildew is currently registered on the Tilt 250E and Quadris Flowable labels. A tank-mix of these two products is also registered to control Asian soybean rust on legume vegetables using both ground and aerial application, so no phytotoxic effects are expected as a result of applying Quilt Fungicide. Application of two modes of action fungicides simultaneously aids in delaying the development of pest resistance. The use of Quilt Fungicide to control powdery mildew would be a good resistance management practice. The registrant proposed a rate range of 1.0 – 1.5 L/ha of Quilt Fungicide to control powdery mildew. The high rate of propiconazole is higher than the rate registered for Tilt 250E, therefore only the lower rate is supported. The product may be applied using both ground and aerial application equipment.

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Quilt Fungicide to include control of powdery mildew on legume vegetables.

References

- 1011863 2005, QUILT Fungicide - Mode of Action, DACO: 10.2.1
- 1727301 2009, 10.2.2-1 - Description of Pest problem - QUILT_28328 - Add Ascochyta and Powdery Mildew, DACO: 10.2.2
- 1727302 2009, 10.2.3.1-1 - Summary - QUILT_28328 - Add Ascochyta and Powdery Mildew, DACO: 10.2.3.1
- 1727307 2009, 10.3.1-1 - Note to reviewer - QUILT_28328 - Add Ascochyta and Powdery Mildew, DACO: 10.3.1

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