

Evaluation Report for Category C, Subcategory 3.10, 3.15 Application

Application Number: 2008-3560
Application: Application to add a new tank-mix
Product: Quilt Fungicide
Registration Number: 28328
Active ingredients (a.i.): azoxystrobin, propiconazole
PMRA Document Number: 1724915

Background

Quilt Fungicide was first registered on June 15, 2006. This product is a premix formulation of Tilt 250E Fungicide (PCP#19346) and Quadris Flowable Fungicide (PCP#26153) and contains Group 3 and 11 fungicides (propiconazole and azoxystrobin respectively). Quilt is currently registered on legume vegetables for control of Asian soybean rust (*Phakopsora pachyrhizi*) and on cereals and corn for control of various foliar diseases including barley net blotch and scald, Septoria leaf spot, tan spot, stripe rust and wheat and barley leaf rusts. Registered rates for Asian soybean rust are 1.0 – 1.5 L/ha in a minimum of 45 L water/ha (two applications) and for cereal diseases at 0.75 L/ha, except for barley leaf rust at 1.0 L/ha and stripe rust, wheat leaf rust and corn diseases, which are registered at a range of 0.75 – 1.0 L/ha. Cereals may receive one application per season only. Quilt may be applied by ground or by air for all crops. Tank mixes with Matador 120EC or Warrior Insecticides are registered on legumes.

Purpose of Application

The applicant is proposing tank mixes with Matador 120EC and Warrior Insecticides on wheat, barley, oats, rye, triticale and corn. The registration of these tank mixes provides growers with a ‘one-pass’ solution, where mixing products controls a broad spectrum of insects and diseases in a single application. The tank mixes also allow multiple modes of action to be applied, which reduces the probability of resistance development.

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 crops, application rates and timings, of the component products remained unchanged.

Value Assessment

The crops proposed for tank-mix application are registered on both of the insecticide labels and the fungicide label, as well as the two fungicides which are components of Quilt (Quadris Flowable and Tilt 250E). Matador 120 EC and Warrior Insecticides are registered as tank mixes with Quadris Flowable and Tilt 250E on corn only, not on cereal crops. These insecticides are also registered as tank mixes with Quilt Fungicide on legume vegetables. Compatibility of Matador 120EC and Warrior Insecticides with Quilt Fungicide has been established and no antagonism has been shown among any combinations of the products. Negative effects are not expected if the proposed tank mixes are applied to cereals. Tank mixes of Matador 120 EC and Warrior with Tilt 250E and Quadris Flowable are not registered on popcorn, so this restriction will also be applied to the Quilt Fungicide label. Rye and triticale are only registered on the Quadris Flowable label. Since these crops are not registered on either of the insecticide labels, these crops are not supported in the tank-mix claim.

Conclusion

The tank mixes of Matador 120EC and Warrior Insecticides with Quilt Fungicide are supported for wheat, barley, oats and corn, except popcorn. The tank-mix with Matador 120 EC may be applied by air, but the tank-mix with Warrior may not.

References

- 1635993 2008, 10.2.3.1 - Rationale to support the tank mix application of MATADOR 120EC Insecticide or WARRIOR Insecticide with QUILT Fungicide on cereals (CG 15), DACO: 10.1,10.2.3.1,10.2.3.3,10.3.1,10.3.2

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