

Evaluation Report for Category C, Subcategory 3.10 Application

Application Number: 2006-7408
Application: Category C, subcategory 3.10 (New or Changes to Product Labels-Tank Mixes)
Product: Tilt 250E Fungicide
Registration Number: 19346
Active ingredients (a.i.): Propiconazole at 250 g/L
PMRA Document Number: 1405948

Background

Tilt 250E Fungicide was first registered on April 23, 1986. It is currently registered for control of Asian (soybean) rust (*Phakopsora pachyrhizi*) and powdery mildew (*Microsphaeria diffusa*; *Erysiphe pisi*; *E. polygoni*) on Crop group 6 (Legume Vegetables, including soybean) and Cercospora leaf spot (*Cercospora kikuchi*) on soybean only. For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the respective product label.

Purpose of Application

The purpose of this application to amend the Tilt 250E Fungicide label to include 2 tank mixes: Tilt with Matador 120 EC Insecticide and Tilt with Warrior Insecticide. The proposed tank mix is for use on Crop Group 6 (legume vegetables including soybeans) for control of Tilt-labelled diseases and Matador- or Warrior-labelled insect pests. The proposed tank mix rate for Tilt is the same as the currently registered rate (500 ml/ha). The proposed application rate for Warrior Insecticide and Matador 120EC Insecticide in the tank mix is 83-233 ml/ha for control of soybean aphid on soybean and 83 ml/ha for the rest of the crops in Crop Group 6. A request to increase the application rate from 83 ml/ha (10 g ai/ha) to 233 ml/ha (28 g ai/ha) for Warrior Insecticide and Matador 120EC Insecticide was recently approved. This higher application rate is intended for the control of soybean aphid on soybean when insect pressure is high and is not expected to have a negative impact on the tank mix efficacy.

Chemistry, Health and Environmental Assessments

A chemistry assessment was not required since there was no change to product chemistry. A health and environmental assessment was not required since the use pattern, including host crops, application rates and timing remained unchanged.

Value Assessment

A rationale was submitted to support the addition of a tank mix of Tilt with Matador Insecticide as well as Tilt with Warrior Insecticide to the Tilt label. Tilt, Matador and Warrior are currently registered for the control of certain diseases and insect pests on Crop Group 6, Legume Vegetables, including soybean. A tank mix of Tilt and Matador as well as Tilt and Warrior is already registered on seed corn, field corn and sweet corn for the control of labelled diseases and insect pests. This indicates that there is no antagonism between these tank mix partners. Since the proposed rate of the tank mix components is the same as the currently registered rate (Tilt) or is similar (Matador and Warrior) and the application directions are the same, it can be expected that disease and insect pest control in Crop Group 6 will not be negatively affected. Therefore, the claim to add a tank mix with Matador or Warrior to the Tilt label for use on Crop Group 6 (legume vegetables including soybeans) is supported.. This tank mix can be applied by ground application only.

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Tilt 250E Fungicide to include the proposed tank mixture of Tilt 250 E Fungicide with Matador 120EC Insecticide and Tilt with Warrior Insecticide.

References

PMRA #1326443. Rationale to Support Tank Mix Application of Matador 250EC Insecticide with either Tilt 250E Fungicide, Quadris Flowable Fungicide, or Quilt Fungicide. Syngenta Crop Protection Canada, Inc. Oct 28, 2006. 3 pp.

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