



Evaluation Report for Category C, Subcategory 3.10 Application

Application Number: 2006-7412
Application: Category C, subcategory 3.10 (New or Changes to Product Labels-Tank Mixes)
Product: Warrior Insecticide
Registration Number: 26837
Active ingredients (a.i.): Cyhalothrin-Lambda (CYH)
PMRA Document Number: 1406457

Background

Warrior Insecticide has been registered since October 18, 2001. It is registered to control insect pests on a number of crops, including Crop Group 6, Legume Vegetables. 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 is to amend the Warrior Insecticide label to include 3 tank mixes: Warrior Insecticide with Tilt 250E Fungicide; Warrior Insecticide with Quadris Flowable Fungicide, and Warrior Insecticide with Quilt Fungicide. The proposed tank mix is for use on Crop Group 6 (Legume Vegetables, including soybean) for control of listed diseases and insect pests. The proposed tank mix rate for the fungicide component is the same as the currently registered rate. The proposed application rate for Warrior 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.

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 three tank mixes to the Warrior label: Warrior Insecticide with Tilt 250E Fungicide; Warrior Insecticide with Quadris Flowable Fungicide, and Warrior Insecticide with Quilt Fungicide. Warrior Insecticide (Reg. No. 26837), Tilt 250E Fungicide (Reg. No. 19346), Quadris Flowable Fungicide (Reg. No. 26153) and Quilt

Fungicide (Reg. No. 28328) are each individually registered for use on Crop Group 6 (Legume vegetables, including soybeans). The proposed rate for the fungicide component is the same as the currently registered rates for Tilt, Quadris or Quilt fungicides. The proposed application rate for Warrior 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. 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.

The following tank mixes are already included in the Warrior label: (1) Tilt + Warrior on seed corn, field corn and sweet corn for the control of listed insect pests and diseases and (2) Quadris + Warrior on seed corn only for the control of common leaf rust (*Puccinia sorghi*) and labelled insect pests. This indicates that there is no antagonism between these tank mix partners. Since the proposed rate for the tank mixes is the same as the currently registered rate for the individual insecticide or fungicide component and since the application directions are the same, it is likely that there will be no negative effect on the efficacy of the tank mix to control the listed insect pests and diseases on Crop Group 6. Similar efficacy is also expected with a tank mix of Warrior and Quilt Fungicide since Quilt shares the same active ingredients as both Tilt 250E Fungicide and Quadris Flowable Fungicide. These tank mixes 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 Warrior Insecticide to include the proposed tank mixtures of Warrior Insecticide + Tilt 250E Fungicide, Warrior Insecticide + Quadris Flowable Fungicide, and Warrior Insecticide + Quilt Fungicide .

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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