



Evaluation Report for Category C, Subcategory 3.10 (tank mixes) Application

Application Number: 2006-3558
Application: Category C, Subcategory 3.10 (Tank mixes)
Product: Admire 240 Flowable Systemic Insecticides
Registration Number: 24094
Active ingredients (a.i.): Imidacloprid
PMRA Document Number: 1397360

Background

Admire 240 Flowable Systemic Insecticide (240 g imidacloprid/L; Reg. No. 24094) is registered as an in-furrow treatment of potato for control of Colorado potato beetle, aphids (including green peach, buckthorn, foxglove and potato aphid), and potato leafhopper, and for early season suppression of overwintering potato flea beetle adults. Ridomil Gold 480EC Fungicide (Reg. No. 25384; 480 g metalaxyl-M and S-isomer/L) is registered as an in-furrow treatment for suppression of pink rot. For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the product labels.

Purpose of Application

The purpose of this application is to amend the registration of Admire 240 Flowable Systemic Insecticide to include a tank mix with Ridomil Gold 480EC Fungicide. The tank mix is for an in-furrow treatment of potato for control of Colorado potato beetle, aphids (including green peach, buckthorn, foxglove and potato aphid) and potato leafhopper, for early season suppression of overwintering potato flea beetle adults, and for suppression of pink rot. The use directions, including the rate of active ingredient and the pests, for the tank mix are the same as those on the registered labels of Admire 240 F Flowable Systemic Insecticide and Ridomil Gold 480EC Fungicide, respectively.

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 directions, including pests, application rates and timings, of the component products remain unchanged.

Value Assessment

Efficacy data were submitted from nine field trials conducted between 2003 and 2005 in PEI, Ontario, Manitoba and Alberta. Efficacy of the tank mix, Admire 240 Flowable Systemic Insecticide plus Ridomil Gold 480EC Fungicide applied at the registered rates, was directly compared to the fungicide applied alone, or to the insecticide applied alone.

The performance of the tank mix was similar to that of Ridomil Gold 480EC Fungicide applied alone in terms of the suppression of disease, or to Admire 240 Flowable Systemic Insecticide applied alone in terms of control of insect pests. Performance was also similar in terms of crop safety, assessed as both plant stand counts and yield.

Conclusions

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Admire 240 Flowable Systemic Insecticide to include the proposed tank mix of Admire 240 Flowable Systemic Insecticide with Ridomil Gold 480EC Fungicide.

References

A. LIST OF STUDIES/INFORMATION SUBMITTED BY REGISTRANT

VALUE

PMRA 1251960	Admire 240 Insecticide (240 g a.i./L imidacloprid) tank mix with Ridomil Gold 480EC Fungicide (metalaxyl-M and S-isomer) for control of insect and disease pests in potatoes. Bayer CropScience Inc. DACO 10.3, 10.3.1 and 10.3.2. 80 pp.
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