



Evaluation Report for Category C, Subcategory 3.9 Application

Application Number: 2006-7156
Application: Category C, Subcategory 3.9 (Changes to Product Label)
Product: End-All II Miticide Insecticide Acaricide Concentrate
Registration Number: 22299
Active ingredients (a.i.): 1% Potassium Salts of Fatty Acids (POU) and 0.01% Pyrethrins (PYR)
PMRA Document Number: 1399512

Background

Safer's End-All II Miticide Insecticide Acaricide Concentrate is registered for indoor use on houseplants and outdoor use on fruit trees, landscape trees, ornamentals, flowers, shrubs and vegetables to control the adult stage of aphids, whiteflies, scales, spider mites, mealybugs, caterpillars, leafhoppers, earwigs and beetles.

Purpose of Application

The purpose of this application is to amend the control claims for End-All II Miticide Insecticide Acaricide Concentrate label to include the egg and nymph stages of the currently registered insects and mites.

Chemistry, Health and Environmental Assessment

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 and application rates of the component product remained unchanged.

Value Assessment

Two lab trials were submitted for review which tested Safer's End-All II Miticide Insecticide Acaricide Ready to Use (Reg. No. 22300; 1.0% Potassium salts of fatty acids and 0.01% Pyrethrins) to control spider mites and whitefly eggs. The submitted trials demonstrated that the Safer's End-All II Ready to Use product is effective in reducing egg hatch in spider mites and whitefly eggs. Other registered products (Reg. Nos. 26244, 26586) containing 0.01% pyrethrins have been shown to be effective in controlling the egg and nymph stages of the same insects and mites listed on the Safer's End-All II Miticide Insecticide Acaricide label. Since the application

rate of the pyrethrin and method of application are the same, it is expected that Safer's End-All II Miticide Insecticide Acaricide Ready to Use would also be effective in controlling the same stages of the same insects and mites listed on the label.

The concentration for application of Safer's End-All II Miticide Insecticide Acaricide Concentrate (Reg. No. 22299, 20% Potassium salts of fatty acids and 0.01% Pyrethrins) is 50 mL of concentrate in 1 L of water. Since the amount of product applied is the same as for Safer's End-All II Miticide Insecticide Acaricide Ready to Use (ie. 1.01% potassium salts of fatty acids and 0.01 pyrethrins), the same efficacy claims can be supported for the concentrate product.

The phytotoxicity of Safer's End-All II Miticide Insecticide Acaricide Concentrate has been assessed previously and the sensitive plant species are listed on the label. The list of sensitive plant species is not expected to change as a result of adding a new claim for egg and nymph control.

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of End-All II Miticide Insecticide Acaricide Concentrate to include the claims for control of egg and nymph stages for the currently registered insects and mites.

References

- PMRA 1316930 Laboratory Bioassay Evaluation of End-All II (Trounce) for the Control of Two-spotted Spider Mite (*Tetranychus urticae*) Ova on (*Gerbera jamesonii*). Woodstream Study No. WSL-SME001. August 15, 2006.
- PMRA 1316931 Laboratory Bioassay Evaluation of Experiment End All II RTU (Trounce) Formulation for the Control of Silverleaf Whitefly (*Bemisia tabaci*) Ova on *Hibiscus*. Woodstream Study No. WSL-WFE001. August 15, 2006.

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