

New Site or Host Evaluation Report for Category B, Subcategory 3.12 Application

Application Number: 2007-2184
Application: New site or host
Product: Admire 240 Flowable Systemic Insecticide
Registration Number: 24094
Active ingredients (a.i.): Imidacloprid
PMRA Document Number: 1421092

Background.

Admire 240F Systemic Insecticide has been registered since April 1995. Admire 240F Systemic Insecticide is registered for control of a range of insects on potatoes, tomatoes, field lettuce, apples, cherries, highbush blueberries, brussels sprouts, eggplant, and crop group 9. For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the product label.

Purpose of Application

The British Columbia Ministry of Agriculture and Lands applied for emergency registration of Admire 240F Systemic Insecticide to control aphids on strawberries. This application was reclassified to a B.3.12, addition of a new host, where the purpose was to amend the registration of Admire 240F Systemic Insecticide by adding control of aphids on strawberries. This application adds aphid control on established strawberries with one soil drench at a rate of 0.85-1.3L product/ha (204-312 g a.i./ha) and a 30 day pre harvest interval.

Chemistry Assessment

Chemistry assessment was not required since there was no change to product chemistry or formulation.

Health Assessment

The addition of a new host does not impact on the toxicological properties of the product. The toxicology databases for both the technical grade active ingredient and the end-use product are considered complete.

Exposure to workers mixing, loading and applying Admire 240 Flowable Systemic Insecticide to strawberries is not expected to increase over the currently registered use pattern for potatoes. A tier one risk assessment was performed for workers entering strawberry fields treated with Admire 240 Flowable Systemic Insecticide containing imidacloprid. The target margin of exposure of 100 was reached for workers entering treated fields immediately after the first application.

No residue data were provided to support the addition of strawberries to the Admire 240F Systemic Insecticide label. Exposure to the population via the diet and drinking water originating from the proposed use on strawberries cannot be quantitatively assessed at this time. Nor can MRL recommendations be made. Required data for this conditional registration were identified for DACOs 6 and 7 and will be submitted at a later time.

Environmental Assessment

No environmental data were required for this use as the application rate is the same as currently registered for use on potatoes. There are environmental concerns regarding imidacloprid and use expansions are allowed only if certain requirements are met (low environmental risk situations and critical need uses). This use on strawberries meets both of these requirements.

Value Assessment

One drench application made to established strawberries in British Columbia at a rate of 650 mL Admire 240 Flowable Systemic Insecticide/ha on March 24, 2006 provided control of strawberry aphids, both adults and nymphs, throughout the harvest period until the end of June. Admire 240 Flowable Systemic Insecticide is registered for control of aphids on potato as a soil drench at an application rate of 0.85 to 1.3 L product per hectare (204-312 g a.i./ha). Extrapolation from the control of aphids on potato to the control of aphids on strawberry is possible due to the systemic nature of the product.

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Admire 240 F Systemic Insecticide to add aphid control on established strawberries with one soil drench at a rate of 0.85 to 1.3 L product/ha (204-312 g a.i./ha) and a 30 day pre harvest interval.

References

PMRA Document Number	Reference
1394405	2005, Efficacy of insecticides for control of strawberry aphid and effect on strawberry virus symptom spread, 2005. Part B: established (first harvest year) field. , na, MRID: na, DACO: 10.2

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