

Evaluation Report for Category B, Subcategory 3.3, 3.10, 3.11, 3.12, 3.13 Application

Application Number: 2017-0954
Application: Changes to Product Labels - Application Number or Frequency, Tank Mixes, New Pests, New Site or Host, Precautions
Product: Decis 5 EC Insecticide (Prairie Provinces and Interior of British Columbia)
Registration Number: 17734
Active ingredient (a.i.): Deltamethrin
PMRA Document Number: 2861172

Purpose of Application

The purpose of this application was to amend the product label of Decis 5 EC Insecticide (Prairie Provinces and Interior of British Columbia) to add new crops and pests, to increase the number of applications for Crop Subgroup 20A (Rapeseeds), to remove restrictions for vegetables grown in muck soils and to revise some of the tank-mixes. This product was previously called Decis 5 EC Insecticide (Prairies and Peace River Region of BC).

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

A toxicology assessment was not required for this application.

The use of deltamethrin on Crop Subgroup 20A (Rapeseeds) is not expected to result in risks of concern for chemical handlers, postapplication re-entry workers, and bystanders provided that the product is used according to the label directions.

No new residue data for deltamethrin in alfalfa, crops in Crop Subgroup 20A (Rapeseeds), broccoli, Brussels sprouts, cabbage, cauliflower, potatoes or tomatoes were submitted to support the use expansion of this active on the Decis 5 EC Insecticide (Prairie Provinces and Interior of British Columbia) label. Previously reviewed residue data from field trials conducted in/on these crops were reassessed in the framework of this petition. In addition, a processing study in treated canola was also reassessed to determine the potential for concentration of residues of deltamethrin into processed commodities.

Following the review of all available data, it was determined that the current established MRLs for residues of deltamethrin in/on crops in Crop Subgroup 20A (Rapeseeds), broccoli, Brussels sprouts, cabbage, cauliflower, potatoes, tomatoes and animal commodities are considered adequate to cover residues of deltamethrin in/on these commodities as a result of these new uses. Residues of deltamethrin in these commodities at the established MRLs will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

No environmental concerns were identified; the use of Decis 5 EC Insecticide (Prairie Provinces and Interior of British Columbia) falls within the existing use pattern for the insecticide deltamethrin.

Value Assessment

Value information including efficacy data from five field trials as well as scientific rationales supported a claim of swede midge control. The submitted data demonstrated that three applications of Decis 5 EC Insecticide at 150 mL/ha or two applications at 200 mL/ha reduced the amount of damage to canola crops by swede midge larvae. Other claims were supported by scientific rationales and extrapolation from registered uses.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to amend the product label of Decis 5 EC Insecticide (Prairie Provinces and Interior of British Columbia).

References

PMRA Document Number	Reference
2731568	2017, Value assessment of Decis 5 EC insecticide for swede midge (<i>Contarinia nasturtii</i>) control in crop subgroup 20A: Rapeseeds and additional claims., DACO: 10.1,10.2,10.3,10.4,10.5,10.6
2731570	2017, Compilation of Trial Reports - Value Assessment of Decis 5 EC Insecticide for Swede Midge (<i>Contarinia nasturtii</i>) Control in Crop Subgroup 20A: Rapeseeds and Additional Claims, DACO: 10.2,10.3.2
2731574	2017, Efficacy Summary Tables - Value Assessment of Decis 5 EC Insecticide for Swede Midge (<i>Contarinia nasturtii</i>) Control in Crop Subgroup 20A: Rapeseeds and Additional Claim, DACO: 10.2.3.1
2115788	2008, Data Submitted by the Agricultural Rentry Task Force (ARTF) to Support Revision of Agricultural Transfer Coefficients., DACO: 5.6
1913109	2009, Agricultural Handler Exposure Scenario Monograph: Open Cab Groundboom Application of Liquid Sprays, DACO: 5.3,5.4
2572745	2015, Agricultural Handler Exposure Scenario Monograph: Open Pour Mixing and Loading of Liquid Formulations, DACO: 5.3,5.4
2172938	2012, Agricultural Handler Exposure Scenario Monograph: Closed Cockpit Aerial Application of Liquid Sprays, DACO: 5.3,5.4

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