

Evaluation Report for Category L, Subcategory 1.2 Application

Application Number: 2017-7074
Application: Application subject to the Protection of Proprietary Interests in Pesticide Data Policy
Product: Decimate Insecticide
Registration Number: 35068
Active ingredient (a.i.): Deltamethrin
PMRA Document Number: 2878548

Purpose of Application

The purpose of this application was to register Decimate Insecticide, containing deltamethrin, for use on several crops. This application was based on precedent products.

Chemistry Assessment

Decimate Insecticide is formulated as an emulsifiable concentrate containing deltamethrin at a concentration of 50 g/L. This end-use product has a density of 0.90 g/mL and pH of 5.84. The required chemistry data for Decimate Insecticide have been provided, reviewed and found to be acceptable.

Health Assessments

Decimate Insecticide is considered to be of high acute toxicity via the oral and dermal routes of exposure and of moderate acute toxicity via the inhalation route. It is non-irritating to the eyes and moderately irritating to the skin, and is considered to be a potential dermal sensitizer.

The use of Decimate Insecticide on various crops is not expected to result in potential occupational or bystander exposures greater than those from the registered use of deltamethrin. No risks of concern are expected when workers follow label directions and wear personal protective equipment as stated on the label.

No new residue data were submitted in support of the registration of Decimate Insecticide. The use pattern of Decimate Insecticide was determined to be equivalent to that of the registered products. Therefore, the previously reviewed data was reassessed in the framework of this petition and confirmed that the use of Decimate Insecticide is not expected to result in an increase in the magnitude of deltamethrin residues in/on the treated crops.

Therefore, the use of Decimate Insecticide will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

The use of Decimate Insecticide is not expected to increase environmental risks when compared to other products registered for similar uses.

Value Assessment

Three field trials demonstrated that the efficacy of Decimate Insecticide is comparable to the precedent product for control of European corn borer in corn, flea beetles in canola, and Colorado potato beetle in potato at proposed application rates. The additional crop-pest combinations were supported based on their similarity to the uses supported by the submitted efficacy data.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to support the registration of Decimate Insecticide.

References

PMRA

Document

Number	Reference
2572176	2015, Description Of Starting Materials, DACO: 3.2.1, 3.2.2, 3.3.1 CBI
2572177	2014, Establishing Certified Limits, DACO: 3.3.1 CBI
2572178	2014, Product Chemistry Testing of Deltamethrin 5% EC, DACO: 3.5.1, 3.5.2, 3.5.3, 3.5.6, 3.5.7, 3.5.8, 3.5.9
2572179	2015, Additional Product Chemistry for MPower Deltamethrin Insecticide, DACO: 3.1.1, 3.1.2, 3.1.3, 3.1.4, 3.2.3, 3.4.2, 3.5.11, 3.5.12, 3.5.13, 3.5.15, 3.5.4, 3.5.5
2572180	2015, Explodability, DACO: 3.1.1, 3.1.2, 3.1.3, 3.1.4, 3.2.3, 3.4.2, 3.5.11, 3.5.12, 3.5.13, 3.5.15, 3.5.4, 3.5.5 CBI
2572181	2014, Corrosion Characteristics, DACO: 3.5.10, 3.5.14 CBI
2572989	2013, Enforcement Analytical Method, DACO: 3.4.1 CBI
2685395	2016, Determination of active ingredient content of Deltamethrin 5% EC, DACO: 3.4.1
2685396	2016, Accelerated storage stability and corrosion characteristics of Deltamethrin 5% EC, DACO: 3.5.10, 3.5.14
2685397	2016, Determination of flammability of Deltamethrin 5% EC, DACO: 3.5.11
2685401	2016, Determination of active ingredient content of Deltamethrin 5% EC, DACO: 3.4.1
2685402	2016, Accelerated storage stability and corrosion characteristics of Deltamethrin 5% EC, DACO: 3.5.10, 3.5.14
2685403	2016, Determination of flammability of Deltamethrin 5% EC, DACO: 3.5.11
2823284	2017, To determine the effectiveness of AgraCity and Decis in controlling European Corn Borer, DACO: 10.2.3.3(C), 10.3
2823285	2017, Control of flea beetles in Canola with Agracity and Decis EC Deltamethrin., DACO: 10.2.3.3(C), 10.3
2823286	2017, Control of potato beetles in potatoes with Agracity Deltamethrin, DACO: 10.2.3.3(C), 10.3
2871604	2018, Deficiency Response for MPower Deltamethrin Insecticide (East/West), containing Deltamethrin, EP, Submission Number: 2017-7074, DACO: 0.8

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