

Evaluation Report for Category B, Subcategory 2.1, 3.9 Application

Application Number: 2012-2139
Application: Product chemistry - guarantee, Product label- level of control
Product: IMA-Jet
Registration Number: 31375
Active ingredients (a.i.): Imidacloprid
PMRA Document Number: 2356589

Purpose of Application

The purpose of this application was to register a new tree injection insecticide, IMA-Jet, to manage Asian Longhorned Beetles and Emerald Ash Borer in trees planted in landscapes, parks, golf courses, cemeteries, street trees and woodland areas.

Chemistry Assessment

IMA-Jet is a solution containing the active ingredient imidacloprid at a nominal concentration of 58.5 g/L. This product has a density of 1.15 g/mL and pH of 5.4. The chemistry requirements for IMA-Jet have been completed.

Health Assessments

A food residue assessment was not required for this application.

IMA-Jet is considered to be of moderate acute toxicity to rats via the oral route, and of low acute toxicity via the dermal and inhalation routes. It is mildly irritating to the eye and skin of rabbits. It is a potential dermal sensitizer in guinea pigs.

A human health review has been completed for IMA-Jet, containing the active ingredient, imidicloprid, guaranteed at 5%. The proposed use pattern of IMA-Jet fits within the currently registered use pattern for imidicloprid as a tree injection against Emerald Ash Borer and Asian Longhorned Beetle. Exposure to mixer/loader/applicators, re-entry workers, bystanders, and residents is not expected to increase above that of currently registered end-use products providing label statements are followed.

Environmental Assessment

IMA-Jet is based on the precedent product Registration Number 29703. Therefore, the current Environmental assessment and the existing mitigation measures mitigate any exposure to the environment.

Value Assessment

Use of IMA-Jet was supported by New Pest Response Guidelines for Asian longhorned beetle prepared by invasive species and pest management staff of the United States Department of Agriculture, Animal and Plant Health Inspection Service, Plant Protection and Quarantine (USDA APHIS PPQ) and by efficacy data from four field trials with IMA-Jet against emerald ash borer in Michigan and Ohio between 2004 and 2009.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided for IMA-Jet, and is able to support a conditional registration.

References

PMRA Document Number	Reference
2198625	Product ID, DACO: 3.1,3.1.1,3.1.2,3.1.3,3.1.4
2198626	Formulation Process, DACO: 3.2,3.2.1,3.2.2 CBI
2198627	certified limits, DACO: 3.3.1 CBI
2198629	Product analysis, DACO: 3.4,3.4.1 CBI
2198630	phys/chem, DACO: 3.5,3.5.11,3.5.12,3.5.13,3.5.2,3.5.4,3.5.6 CBI
2198631	phys/chem, DACO: 3.5,3.5.11,3.5.14,3.5.2,3.5.6,3.5.7,3.5.8,3.5.9 CBI
2311948	MSDSs for starting materials, DACO: 3.2.1 CBI
2311951	3.4.1 F1V1 Analytical Method Validation, DACO: 3.4.1 CBI
2311956	3.4.1 F2V1 Analytical Method Validation, DACO: 3.4.1 CBI
2198646	2008, USDA APHIS PPQ New Pest Response Guidelines: Asian Longhorned Beetle, Anoplophora glabripennis, DACO 10.2.3.3
2198651	Evaluation of Insecticides for Control of Emerald Ash Borer: Summary of 2004 Trials, DACO: 10.2.3.3
2198652	2009, Evaluation of Emamectin Benzoate and IMA-Jet Trunk Injections for Control of Emerald Ash Borer: 2006-2009, DACO: 10.2.3.3
2198657	Emerald Ash Borer (EAB) Control on Street Trees, 2005-2008, DACO: 10.2.3.3
2198658	General Report: EAB tree trunk injections and sprays, 2004, DACO: 10.2.3.3
2198633	2011, IMA-Jet 10%, Acute Oral Toxicity Up and Down Procedure in Rats, DACO: 4.6.1
2198634	2011, IMA-Jet 10%, Acute Dermal Toxicity Study in Rats - Limit Test, DACO: 4.6.2
2198635	2011, IMA-Jet 10%, Acute Inhalation Toxicity Study in Rats - Limit Test, DACO: 4.6.3
2198636	2011, IMA-Jet 10%, Primary Eye Irritation Study in Rabbits, DACO: 4.6.4
2198637	2011, IMA-Jet 10%, Primary Skin Irritation Study in Rabbits, DACO: 4.6.5
2198639	2011, IMA-Jet 10%, Local Lymph Node Assay (LLNA) in Mice, DACO: 4.6.6

ISSN: 1911-8082

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