



## Evaluation Report for Category B, Subcategory 2.1 Application

**Application Number:** 2012-2144  
**Application:** Product chemistry - guarantee  
**Product:** IMA-jet 10  
**Registration Number:** 31479  
**Active ingredients (a.i.):** Imidacloprid  
**PMRA Document Number :** 2356598

### Purpose of Application

The purpose of this application was to register a new tree injection insecticide, IMA-Jet 10, 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 10 is a solution containing the active ingredient imidacloprid at a nominal concentration of 117 g/L. This product has a density of 1.17 g/mL and pH of 5.73. The chemistry requirements for IMA-jet 10 have been completed.

### Health Assessments

A food residue assessment was not required for this application.

IMA-Jet 10 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 10. The proposed use pattern of IMA-jet 10 fits within the currently registered use pattern for imidacloprid 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 10 is based on a currently registered precedent product. Therefore, the current environmental assessment and the existing mitigation measures mitigate any exposure to the environment.

### Value Assessment

Use of IMA-jet 10 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 five field trials against emerald ash borer in Michigan, Ohio and Ontario between 2004 and 2013.

## Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided for IMA-Jet 10, and is able to support a conditional registration of this new end-use product for tree-injection use.

## References

### PMRA

#### Document

Number	Reference
2198697	Product ID, DACO: 3.1,3.1.1,3.1.2,3.1.3,3.1.4
2198698	Formulation Process, DACO: 3.2,3.2.1,3.2.2 CBI
2198699	Certified limits, DACO: 3.3.1 CBI
2198701	Product analysis, DACO: 3.4,3.4.1 CBI
2198702	Phys/chem, DACO: 3.5,3.5.11,3.5.12,3.5.13,3.5.2,3.5.4,3.5.6 CBI
2198703	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
2311983	3.4.1 F1V1 Analytical Method Validation, DACO: 3.4.1 CBI
2198646	2008, USDA APHIS PPQ New Pest Response Guidelines: Asian Longhorned Beetle, <i>Anoplophora glabripennis</i> , 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
2442138	2014, 2013-0441 Research Trial Interim Efficacy Report, DACO: 10.2.3

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