

Addition of New Pest and General Label Improvements Evaluation Report for Category C, Subcategory C.3.11, C.3.15 Application

Application Number: 2007-3161
Application: New Pest, General Label Improvements
Product: Virtuss Biological Insecticide
Registration Number: 17786
Active ingredients (a.i.): Polyhedral inclusion bodies of Douglas-fir tussock moth nuclear polyhedrosis virus (2.5%)
PMRA Document Number: 1423656

Background

Virtuss Biological Insecticide was first registered on 3 June 1983 for the control of Douglas-fir tussock moth. Virtuss Biological Insecticide is a Restricted class product for use on forests, woodlands, and ornamental trees. For specific details of uses, application rate and methods, precautions, restrictions, and personal protective equipment requirements, refer to the product label.

Purpose of Application

The purpose of this application was to amend the registration of Virtuss Biological Insecticide to include a claim of control of whitemarked tussock moth using the same application rate and methods as previously registered for control of Douglas-fir tussock moth. In addition, general label improvements were made as proposed in PACR2004-32: *Re-evaluation of the Polyhedral Inclusion Bodies (PIBs) of Orgyia pseudotsugata Nucleopolyhedroviruses (OpNPVs)*.

Chemistry Assessment

A chemistry assessment was not required because there was no change in the formulation of the product.

Health Assessments

Health assessments were not required because there was no change in the overall use pattern of the product except for the addition of a pest.

Environmental Assessment

An environmental assessment was not required because there was no change in the overall use pattern of the product except for the addition of a pest.

Value Assessment

One laboratory study and two field trials were conducted to assess efficacy of Virtuss Biological Insecticide for control of whitemarked tussock moth. The submitted data confirmed that whitemarked tussock moth is susceptible to Douglas-fir tussock moth nuclear polyhedrosis virus and that Virtuss Biological Insecticide can infect and reduce populations of whitemarked tussock moth larvae in the field. Data from the field trials did not demonstrate population reductions sufficient to warrant a claim of control, however, so only the more conservative claim of suppression was supported.

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Virtuss Biological Insecticide to include a claim of suppression of whitemarked tussock moth when the product is used at the same application rate and methods as previously registered for control of Douglas-fir tussock moth.

References

- 1406505 Susceptibility of the whitemarked tussock moth, *Orgyia leucostigma*, to Douglas-fir tussock moth, *O. pseudotsugata*, nuclear polyhedrosis virus. Forestry Canada, Forest Pest Management Institute, Sault Ste. Marie, Ontario. File Report (unpublished). DACO: M10.2.1
- 1406507 1987. Ground spray applications of Virtuss®, a nuclear polyhedrosis virus, against white-marked tussock moth larvae at Bottom Brook, Newfoundland in 1986. Canadian Forestry Service, Newfoundland Forestry Centre. Information Report N-X-257. DACO: M10.2.2
- 1406506 1989. Aerial application of Virtuss®, a nuclear polyhedrosis virus, against whitemarked tussock moth larvae in Newfoundland in 1987. Forestry Canada, Newfoundland & Labrador Region. Information Report N-X-270. DACO: M10.2.2

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