



Evaluation Report for Category B, Subcategory 2.1 Application

Application Number: 2010-6341
Application: To amend the product guarantee
Product: Disparvirus[®] Nucleopolyhedrovirus for gypsy moth larvae
Registration Number: 24869
Active ingredients (a.i.): *Lymantria dispar* Nucleopolyhedrovirus [NUG]
PMRA Document Number : 2465145

Background

Natural Resources Canada submitted an application to amend the guarantee in the end-use product, product Disparvirus[®] Nucleopolyhedrovirus (formerly Nuclear Polyhedrosis Virus). The technical product, Disparvirus[®] Technical, contains the active ingredient, *Lymantria dispar* multicapsid nucleopolyhedrovirus (*LdMNPV*) a naturally occurring baculovirus. *LdMNPV* has been used as a microbial pest control agent for the control of gypsy moth populations in the United States and Canada. *LdMNPV* was initially registered in the U.S. under the trade name Gypchek[®] (EPA no. 27586-2) and has only been applied experimentally in Canada. The same U.S. strain of *LdMNPV* was used to establish the production of Disparvirus[®] in Canada. The U.S. product Gypchek is being proposed as the source for Disparvirus[®] Technical.

Chemistry Assessment

Disparvirus[®] Nucleopolyhedrovirus for gypsy moth larvae control is a wettable powder formulations containing the active ingredient *Lymantria dispar* Nucleopolyhedrovirus at 5.85% by weight, containing at least 1×10^{10} PIB/g. Insect parts are specified as an impurity at 94.15%. The review of the comparative data submitted in support of the registration of a new source of technical grade active ingredient concluded the two products Gypchek[®] and Disparvirus[®].

Health Assessments

Previously reviewed data for the initial registration decision showed that the mammalian toxicity/pathogenicity of the active ingredient *Lymantria dispar* Nucleopolyhedrovirus poses little risk to human health and safety when used as directed.

Environmental Assessment

Based on previous reviewed information Disparvirus[®] Nucleo-polyhedrovirus for gypsy moth larvae control is not expected to pose an environmental risk when used at the concentrations and application rates.

Value Assessment

A value assessment was not required for this application.

Conclusion

The PMRA has completed an evaluation of this application and has found the information submitted sufficient to amend the label guarantee for Disparvirus[®] Nulceopolyhedrovirus for gypsy moth larvae control. For the sake of consistency and accuracy the product name has been updated to reflect the latest nomenclature for baculoviruses, i.e from Nuclear Polyhedrosis Virus to Nulceopolyhedrovirus.

References

N/A

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