

Evaluation Report for Category B, Subcategory B.3.11 Application

Application Number: 2020-3920
Application: New Pest
Product: Mimic 240 LV Forestry Insecticide
Registration Number: 24502
Active ingredient (a.i.): Tebufenozide, 240 g/L
PMRA Document Number: 3191241

Background

Mimic 240 LV Forestry Insecticide is registered for control of several species of Lepidoptera that defoliate forest trees. The product is registered for both ground and aerial application to forests and woodlands, with applications to sites greater than 500 ha as well as all aerial applications being restricted uses. The use pattern for all of the pests listed on the label consists of a single application per year at the rate of 290 mL/ha (69.6 g a.i./ha).

Purpose of Application

The purpose of this application was to add a claim for control of gypsy moth to the label of Mimic 240 LV Forestry Insecticide. There is no change to any other aspect of the use pattern.

Chemistry, Health and Environmental Assessments

Chemistry, health and environmental assessments were not required because there was no change to product chemistry or to the overall use pattern of the product except to add a new pest claim.

Value Assessment

Use history information and operational trials from the United States supported the use of Mimic 240 LV Forestry Insecticide for the control of gypsy moth. A single application consistently met the treatment objective of limiting defoliation of preferred host trees to less than 30% as well as reducing gypsy moth populations. An experimental trial showed no significant difference between the rate of 290 mL/ha registered for use in Canada and the higher rate of 438 mL/ha typically used in the United States. Mimic 240 LV Forestry Insecticide provides a new mode of action for control of gypsy moth in Canada.

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Mimic 240 LV Forestry Insecticide to include a claim for control of gypsy moth using the registered use pattern of a single application per year to forests and woodlands with aerial or ground equipment at the rate of 290 mL/ha (69.6 g a.i./ha).

References

- 3148806 2020, Summary of Value for Mimic 240 LV Forestry Insecticide for Control of Gypsy Moth in Forests and Woodlands, DACO: 10.1, 10.2.1, 10.2.2, 10.2.3.1, 10.2.3.4(C), 10.3.1, 10.3.2(B), 10.3.3, 10.4, 10.5.1, 10.5.2, 10.5.3, 10.5.4, 10.5.5
- 3148812 2020, US Use History Letter from Pennsylvania Bureau of Forestry, DACO: 10.2.4
- 3148813 2020, US History of Use Questionnaire for Mimic 240 LV Forestry Insecticide, containing tebufenozide, from West Virginia Department of Agriculture, DACO: 10.2.4
- 3148814 2020, US History of Use Questionnaire for Mimic 240 LV Forestry Insecticide, containing tebufenozide, from Pennsylvania Bureau of Forestry, DACO: 10.2.4
- 3148816 2016, Pennsylvania 2016 Gypsy Moth Suppression Program - Summary, DACO: 10.2.3.4(C), 10.2.4
- 3148817 2017, Pennsylvania 2017 Gypsy Moth Suppression Program - Summary, DACO: 10.2.3.4(C), 10.2.4
- 3148818 2018, Pennsylvania 2018 Gypsy Moth Suppression Program - Summary, DACO: 10.2.3.4(C), 10.2.4
- 3148820 2013, Expanding the Dose and Timing Boundaries of Mimic in Gypsy Moth Control, DACO: 10.2.3.4(C)

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