

Evaluation Report for Category B, Subcategory 3.11 Application

Application Number: 2017-5547
Application: B.3.11
Product: Mosquito Barrier Hose End Sprayer
Registration Number: 32049
Active ingredients (a.i.): Garlic Juice
PMRA Document Number : 2851664

Background

Mosquito Barrier Hose End Sprayer (Reg. No. 31049) is an area repellent with a guarantee of 99.3% garlic juice which is registered to repel mosquitos from sprayed areas. Mosquito Barrier Hose End Sprayer is sprayed to run-off on all foliage (plants, shrubs, and turf) in areas from which pests are to be repelled. The product may be re-applied after heavy rain or if pests continue to be a problem.

Purpose of Application

The purpose of this application is to add a claim of repels ticks to the product label.

Chemistry Assessment

Not required.

Health Assessments

Not required.

Environmental Assessment

Not required.

Value Assessment

One efficacy trial was reviewed in support of the claim that Mosquito Barrier Hose End Sprayer will repel ticks from treated areas. This trial was a field trial conducted using Mosquito Barrier in residential properties in western Connecticut over three years (2009, 2010, and 2011). Results of this study found a reduction in the number of captured nymphal ticks in the Mosquito Barrier plots compared to the untreated control of 37%, 59%, and 47.4% at 6, 11, and 18 days post-spray, respectively. These results demonstrated that Mosquito Barrier Hose End Sprayer provided short-term, moderate suppression of tick activity. Therefore, a claim that Mosquito Barrier Hose End Sprayer repels ticks was supported.

Conclusion

The submitted information supported a claim that Mosquito Barrier Hose End Sprayer repels ticks from treated areas.

References

Additional Information

- 2849589** Bharadwaj et al, 2015. Effectiveness of Garlic for the Control of *Ixodes scapularis* (Acari: Ixodidae) on Residential Properties in Western Connecticut. J. Med Entomol. 52(4) 722-725 (2015)

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