

Evaluation Report for Category B, Subcategories 3.1, 3.11 Application

Application Number: 2022-0244
Application: Changes to Product Labels-Application Rate Increase; New Pests
Product: Thermacell MOSQUITO AREA REPELLENT II
Registration Number: 33195
Active ingredient (a.i.): 1R-trans Prallethrin
PMRA Document Number : 3471098

Purpose of Application

The purpose of this application was to amend the label of the registered area insect repellent device, Thermacell MOSQUITO AREA REPELLENT II, to add repellency claims for black flies and biting midges within a 3m diameter area around the device. Thermacell MOSQUITO AREA REPELLENT II is currently registered for repellency of mosquitoes within a 4.5m diameter area around the device. The smaller area proposed under the current submission represents an increase in application rate.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessment

Postapplication inhalation exposure and risk assessment from the addition of the control of black flies and biting midges (no-see-ums) was conducted. The proposed rate for black flies and biting midges is higher than what is currently registered and resulted in inhalation risks of concern to children (1<2 years). As such, the proposed repellency claims for black flies and biting midges cannot be supported from a human health perspective.

Toxicological and dietary exposure assessments were not required for this application.

Environmental Assessment

The proposed amendment to the label of Thermacell MOSQUITO AREA REPELLENT II to include use on black flies and biting midges to the label, does not cause any additional risks to the environment when used according to label directions.

Value Assessment

Field trial data supported the claim that Thermacell MOSQUITO AREA REPELLENT II repels black flies and biting midges from within a 3m diameter area around the product for up to four hours.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and, based on unacceptable health risk, has not found the information acceptable to add repellency claims for black flies and biting midges within a 3m diameter area around the device to the label of Thermacell MOSQUITO AREA REPELLENT II.

References

PMRA

Document

Number	Reference
2875644	2018, Weight Loss and Loss of Active Ingredient at Elevated Temperature of Thermacell Mosquito Repellent II; April 30, 2018, DACO: 5.14
3205886	2021, Value Summary for Thermacell MOSQUITO AREA REPELLENT II, DACO: 10.1, 10.2.2, 10.2.3.3(C)
3205889	2020, Field Evaluation of Thermacell MOSQUITO REPELLENT II (10.86% Prallethrin) Area Repellent Against Biting Black Fly (Simuliidae) and Biting Midge (Ceratopogonidae) Populations Using a Non-Human Test Method, DACO: 10.2.3.3(C)

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