Health Canada Santé Canada

Evaluation Report for Category B, Subcategory 3.11, 3.12 Application

Application Number: 2019-3213
Application: Changes to Product Label - New Pests, New Site/Host
Product: Success Insecticide
Registration Number: 26835
Active ingredient (a.i.): Spinosad
PMRA Document Number : 3099678

Purpose of Application

The purpose of this application was to add the use on mint to the product label of Success Insecticide.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

A toxicology assessment was not required for this application.

A human health risk assessment was conducted for foliar treatment of mint, using Success Insecticide. Exposures to mixers, loaders, applicators, postapplication workers and bystanders are not of concern. No health risks of concern are expected, provided that workers wear the appropriate personal protective equipment and follow all label directions for use.

No new residue data for spinosad in/on mint were submitted to support the use expansion of the Success Insecticide label. Previously reviewed residue data from field trials conducted in/on mint were reassessed in the framework of this petition. The dietary exposure assessment on file is considered adequate to cover the residues of spinosad expected from the use of this product on mint.

Maximum Residue Limit

The recommendation for the maximum residue limit (MRL) for spinosad was based upon the submitted field trial data, and the guidance provided in the OECD MRL Calculator. The MRL to cover residues of spinosyn A and D in/on mint and processed mint commodities are proposed as shown in Table 1. Residues in processed commodities not listed in Table 1 are covered under the proposed MRL for the raw agricultural commodity (RAC).

TABLE 1. Summary of Field Trial and Processing Data Used to Support Maximum Residue Limit (MRL)

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Commodity	Application Method/ Total Application Rate (g a.i./ha)	PHI (days)	Residues (ppm)		Experimental Processing Factor	Currently Established MRL (ppm)	Recommended MRL (ppm)
			LAFT	HAFT			
Mint Tops	Foliar / 520-530	6-7	0.258	3.01	Mint Oil : 0.022-fold	None	3.5
	Foliar / 2586	7	-	2.46			

LAFT = Lowest Average Field Trial; HAFT = Highest Average Field Trial

Following the review of all available data, the MRL as proposed in Table 1 is recommended to cover residues of spinosad. Residues in mint tops at the proposed MRL will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

An environmental assessment was not required for this application.

Value Assessment

The use of Success Insecticide on mint for suppression of thrips and control of cabbage looper was supported based on extrapolation from registered uses of the product. Success Insecticide provides a new active ingredient, although not a new mode of action, for this use.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to add the use on mint to the label of Success Insecticide.

References

PMRA Document Number	Reference
3033651	2019, Exposure Waiver, DACO: 5.2
3033652	2019, Value Summary, DACO: 10.1
3033655	2015, US Success Insecticide, Specimen Label, DACO: 10.2.3.3
3033656	2019, List of Current Crop Uses for Control of Cabbage Looper and Suppression of Thrips on Spinosad Labels, DACO: 10.2.3.3, 10.3.2