

Evaluation Report for Category B, Subcategory 3.1, 3.11 Application

Application Number: 2017-3276
Application: Changes to product label; rate and pests
Product: Closer Insecticide
Registration Number: 30826
Active ingredients (a.i.): Sulfoxaflor
PMRA Document Number: 2929427

Purpose of Application

The purpose of this application was to add control of leafhopper in/on crops belonging to the Root and Tuber Vegetables Crop Group 1 (CG1), applied at the maximum seasonal rate, to the Closer Insecticide label.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

A toxicological assessment was not required for this application.

The amendments to the label to include a claim against leafhoppers in root and tuber vegetables at the application rate of 300 mL product/ha/season, equivalent to 72 g a.i./ha/season of sulfoxaflor, are considered acceptable from an occupational exposure perspective. Updated risk assessments for mixers/loaders/applicators and postapplication re-entry workers were conducted and no health risks of concern are expected when the recommended label amendments are made and workers wear the appropriate personal protective equipment and follow all label directions.

No new residue data for sulfoxaflor in crops belonging to Root and Tuber Vegetables CG 1 were submitted to support the use expansion of this active on the Closer Insecticide label. Previously reviewed residue data from field trials conducted in/on potatoes, radishes, carrots, and sugar beets were reassessed in the framework of this petition. In addition, a processing study in treated potatoes was also reassessed to determine the potential for concentration of residues of sulfoxaflor into processed commodities. This use expansion is covered by the existing MRLs for sulfoxaflor.

Residues in these crop commodities at the existing MRLs will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

The addition of the control of leafhoppers on root and tuber vegetables (Crop Group 1) at the rate of 72 g a.i./ha is within the currently registered rate for other labelled crops. As such, there is no increase in risk over uses that are currently registered and the request to amend the label to add leafhoppers on CG1 is acceptable from an environmental perspective.

Value Assessment

The results of three field trials supported Closer Insecticide to control leafhoppers on Crop Group 1 – Root and Tuber Vegetables. Sulfoxaflor represents a new mode of action subgroup for this use. Therefore, this product has value as a new tool for use against, and in the management of resistance of, these pests on these crops.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to amend the label of Closer Insecticide to include control leafhoppers.

References

PMRA

Document

Number	Reference
2784125	2017, Exposure Waiver - Use Description Scenario, DACO: 5.2
1913109	2009, Agricultural Handler Exposure Scenario Monograph: Open Cab Groundboom Application of Liquid Sprays, DACO: 5.3,5.4.
2172938	2012, Agricultural Handler Exposure Scenario Monograph: Closed Cockpit Aerial Application of Liquid Sprays, DACO: 5.3,5.4
2572745	2015, Agricultural Handler Exposure Scenario Monograph: Open Pour Mixing and Loading of Liquid Formulations, DACO: 5.3,5.4.
2778904	2017, Efficacy Table - Sulfoxaflor-Rate increase, add potato leafhopper in potatoes, DACO: 10.2.3.1
2778905	2017, Field Trials (3) - Sulfoxaflor-Rate increase, add potato leafhopper in potatoes, DACO: 10.2.3.3
2778906	2017, Value summary - Sulfoxaflor-Rate increase, add potato leafhopper in potatoes, DACO: 10.1,10.2,10.3

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