



Evaluation Report for Category B, Subcategory 3.1 Application

Application Number: 2022-1142
Application: Category B.3.1 (Reduced application rate)
Product: Salibro Nematicide (Reg.No. 34182)
Registration Number: 34182
Active ingredient (a.i.): Fluazaindolizine (FZI)
PMRA Document Number: 3378893

Background

Salibro Nematicide (Reg.No. 34182) containing 500 g/L of fluazaindolizine is registered to suppress root knot nematode (*Meloidogyne* spp.) on cucurbit vegetables at an application rate of 1.12 – 2.24 L/ha pre-plant or at the time of planting and at 0.56 – 1.12 L/ha post-plant. Salibro Nematicide is also registered for control or suppression of root knot nematode in carrots, fruiting vegetables, and tuberous and corm vegetables. For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the product label.

Purpose of Application

The purpose of this submission is to reduce the current high rate on the Salibro Nematicide label for suppression of root-knot nematodes in Cucurbit Vegetables (Crop Group 9). The applicant proposed to reduce the higher application rate of Salibro Nematicide from 2.24 L/ha to 1.68 L/ha and reduce the maximum number of yearly applications from four to two applications per year.

Chemistry, Health, and Environmental Assessments

A chemistry assessment was not required since there was no change to product chemistry. Health and environmental assessments were not required since the use pattern, including host crop, application rates and timings, of the component product remained unchanged or were within the previously registered range.

Value Assessment

The amendments were requested to address concerns of potential phytotoxicity. A scientific rationale was reviewed to support a reduction of the currently registered high rate and number of yearly applications of Salibro Nematicide on Cucurbit Vegetables for suppression of root-knot nematode. Based on the rationale, the reduction in the rate and number of yearly applications is not expected to negatively affect the product's efficacy to manage root-knot nematode in cucurbit vegetables.

These amendments of the Salibro Nematicide use pattern has value in that it will reduce the risk of adverse effects on treated crops while maintaining a valuable option for nematode management in cucurbits.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided in support of the use pattern amendment for Salibro Nematicide and has found the information sufficient to support the reduction of the application rate and number of yearly applications on cucurbit vegetables.

References

PMRA #	Title
3331155	DACO Value - Waiver, DACO: 10.1

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