

Evaluation Report for Category B, Subcategory B.3.1 Application (Application rate increase or decrease) and B.3.10 Application (Tank Mixes)

Application Number: 2023-4516
Application: Category B.3.1 (New or changes to product label – application rate increase or decrease) and B.3.10 (Tank Mixes)
Product: Exirel Insecticide
Registration Number: 30895
Active Ingredient (a.i.): 100 g/L Cyantraniliprole
PMRA Document Number: 3540392

Background

Exirel insecticide (PCP No. 30895) is a suspension formulation containing 100 g/L of the active ingredient, cyantraniliprole. The product is registered in Canada as a foliar-applied insecticide for the control of sucking and chewing pests in a variety of crops. Currently, the product is registered at rates of 750 to 1000 mL/ha to control Colorado potato beetles in tuberous and corm vegetables.

Purpose of Application

The purpose of this application was to amend the Exirel Insecticide label to include a lower application rate of 500 mL/ha (from 700 mL/ha) to control the Colorado potato beetle in potatoes as well as to add the general tank mix statements to the product label.

Chemistry, Health, and Environmental Assessments

Chemistry, health and environmental assessments were not required as there was no change to product chemistry, product formulation, or use pattern.

Value Assessment

To support the proposed amendment, the applicant submitted data from 5 trials conducted in potatoes to evaluate the efficacy of Exirel insecticide (Cyantraniliprole 100 g/L) on Colorado potato beetle. The trials were conducted in Ontario (3), Manitoba (1), and New Brunswick (1). Based on the weight of evidence, the inclusion of Exirel Insecticide at the lower rate of 500 mL/ha is supported with some changes.

A thorough review of the label determined that the addition of the general tank mixing statement is acceptable as it is consistent with the requirements in the PMRA Guidance Document – Tank Mix Labelling (March 16, 2023).

The inclusion of the general tank mixing statement on the label allows growers greater flexibility to select tank mixtures to control pests in labelled crops. Flexibility in the selection of tank mix partners may contribute to resistance management practices, integrated pest management programs or the control of a broader range of pests, with an associated cost- and time-savings by the user.

Conclusion

The PMRA has completed an assessment of the subject application and has found the information sufficient to support the amendment of the registered application rate range of 750 to 1000 mL product per ha for control of Colorado potato beetle in Crop Sub-Group 1C, tuberous and corn vegetables, to include a lower rate of Exirel insecticide of 500 mL/ha, with minor changes to use directions. The inclusion of the general tank mixing statement on the product label was also acceptable.

References

PMRA #	References
3496936	2023, Exirel(r) Insecticide (PCP 30895): Value Summary - Control of Colorado Potato Beetle, DACO: z0.1,10.2.1,10.2.2,10.2.3,10.2.3.1,10.2.3.3,10.3.2,10.3.3,10.4, 10.5.1, 10.5.2,10.5.3,10.5.4,10.5.5
3496937	2023, 10.2.3.1-1 - Data Summary Table - Exirel CPB low rate, DACO: 10.2.3.1
3496938	2023, 10.2.3.1-1 - Data Summary Table - Exirel CPB low rate, DACO: 10.2.3.1
2675477	2016, BIOLOGICAL ASSESSMENT DOSSIER FOR CYANTRANILIPROLE 100 G/L OD - CANADA, 2016, DACO: 10.1,10.2,10.2.2,10.2.3,10.2.3.1,10.2.3.3

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