

## Evaluation Report for Category B, Subcategory 3.1 Application

**Application Number:** 2021-2209  
**Application:** Changes to Product Label-Rate Decrease  
**Product:** Cyclaniliprole 50SL Insecticide  
**Registration Number:** 32862  
**Active ingredients (a.i.):** Cyclaniliprole [CCA]  
**PMRA Document Number:** 3284371

### Background

Cyclaniliprole 50SL Insecticide contains 50 g/L of cyclaniliprole formulated as a soluble concentrate and is registered for control of certain insects in pome fruits, tree nuts, stone fruits, Brassica head and stem vegetables, leafy vegetables, fruiting vegetables, cucurbit vegetables, grapes, berries and small fruits and tuberous and corm vegetables. Cyclaniliprole 50SL Insecticide is registered to be applied at rates ranging rate from 20 to 80 g a.i./ha at 5- to 14-day intervals, depending on the crop and pest.

For specific details of uses, application rates, methods, precautions, restrictions and personal protective equipment requirements refer to the product label.

### Purpose of Application

The purpose of this submission was to reduce the application rate range on the Cyclaniliprole 50SL Insecticide label (Reg. No. 32862) for the control of Colorado Potato Beetle (CPB) on fruiting vegetables (Crop Group 8-09) and on tuberous and corm vegetables (Crop subgroup 1C). Cyclaniliprole 50SL Insecticide was registered at rates of 0.8-1.2 L product/ha (40 to 60 g a.i./ha) for control of CPB on fruiting vegetables (Crop Group 8-09) and on tuberous and corm vegetables (Crop subgroup 1C) but the registered rate is being reduced to 0.4 to 0.8 (20 to 40 g a.i./ha) for control of CPB. This lower rate for CPB has value for potato growers because they often make insecticide applications targeting only CPB and no longer have to use the higher rate required for other pests.

### Chemistry, Health and Environmental Assessments

A chemistry assessment was not required because there was no change to product chemistry. Health and environment assessments were not required because the use pattern remained unchanged.

## **Value Assessment**

Six acceptable field trials were submitted in support of the rate reduction. The trials were conducted from 2012 to 2013 on potato (4), tomato (1) and eggplant (1) in Ontario (2), British Columbia (2), North Carolina (1) and Pennsylvania (1) to test the efficacy of Cyclaniliprole 50SL Insecticide for control of Colorado potato beetle at various application rates. These trials support that Cyclaniliprole 50SL Insecticide applied at rates of 20 to 40 g a.i./ha provided control of CPB.

## **Conclusion**

The PMRA has conducted an assessment of the subject application and has determined that the submitted information is adequate to support reduction of the registered rate to 0.4 to 0.8 L product/ha (20 to 40 g a.i./ha) for control of CPB on fruiting vegetables (Crop Group 8-09) and on tuberous and corm vegetables (Crop subgroup 1C) on the label of Cyclaniliprole 50SL Insecticide (Reg. No. 32862).

## References

### PMRA

#### Document

Number	Reference
3234087	2021, Value Summary for Cyclaniliprole 50SL Insecticide (Reg. No. 32862) for Rate Reduction on Fruiting Vegetables (Crop Group 8-09) and on Tuberous and Corm Vegetables (Crop subgroup 1C) for Control of Colorado Potato Beetle, DACO: 10.1,10.2,10.2.1,10.2.2,10.2.3.1,10.3,10.4,10.5
3234088	2021, Cyclaniliprole Efficacy spreadsheet, DACO: 10.2.3.1
3234089	2012, To Evaluate IK-3106 vs. Coragen and Matador 120 EC for control of Colorado Potato Beetle (CPB) in potatoes, DACO: 10.2.3.3(C)
3234090	2017, Efficacy of IKI-3016 Against Potato Insect Pests, DACO: 10.2.3.3(C)
3234091	2013, Efficacy of IKI-3016 50g/L for control of Colorado Potato Beetle in Potato; Apex, North Carolina. 2013, DACO: 10.2.3.3(C)

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