

Evaluation Report for Category B, Subcategory 3.11 Application

Application Number: 2023-6456
Application: New or Changes to Product Labels – New Pests
Applicant: Belchim Crop Protection Canada Inc.
Product: LifeGard WG
Registration Number: 32526
Active ingredient (a.i.): *Bacillus mycooides* isolate J
PMRA Document Number: 3574457

Background

LifeGard WG is a biological fungicide product, containing the active ingredient *Bacillus mycooides* isolate J (40%). It is currently registered for use on apple to suppress fire blight, and on grape to control downy mildew and to suppress powdery mildew. LifeGard WG is also registered for use on hemp and cannabis (for commercial use on plants grown in the field and indoors), peppers (all types, field and greenhouse), tomato (field and greenhouse), potatoes (field), spinach (field and greenhouse) and sugarbeet (field) to suppress or partially suppress certain fungal and/or bacterial diseases.

Purpose of Application

The purpose of this application is to expand the registration of LifeGard WG to add claims of suppression of apple scab, powdery mildew, flyspeck and sooty blotch in apples, as well as suppression of black rot and phomopsis fruit rot in grapes.

Chemistry, Health and Environmental Assessment

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

Value Assessment

Results from efficacy trials conducted in apple orchards and vineyards in the northeastern USA between 2017 and 2021 were reviewed to support the claims of suppression of apple scab, powdery mildew, flyspeck and sooty blotch on apples; and the claims of suppression of black rot and phomopsis fruit rot on grapes. The efficacy results demonstrated that LifeGard WG suppressed the subject diseases on apples and grapes when applied according to label directions under moderate to high disease pressure. The registration of these new claims provides Canadian growers an added option for managing these important fungal diseases of apples and grapes in fungicide spray programs.

It may also reduce the reliance on conventional fungicides in apple and grape productions. In addition, the inclusion of the general tank mixing statement on the product label is acceptable in accordance with the latest PMRA guidance on tank mix labelling.

Conclusion

The PMRA has completed an assessment of the information provided in support of the product, LifeGard WG, and has found the information sufficient to support adding the following on the product label:

- 1) Suppression of apple scab, powdery mildew, flyspeck and sooty blotch on apples when applied at the currently registered rate of 0.33 g product/L of water with sufficient spray volumes to adequately cover the treated crop;
- 2) Suppression of black rot and phomopsis fruit rot on grapes when applied at the currently registered rate of 0.33 g product/L of water with sufficient spray volumes to adequately cover the treated crop; and
- 3) Inclusion of the general tank mixing statement.

References

- 3524090 2023, Evaluation of fungicides for management of flyspeck and sooty blotch in a 'Jonagold' apple orchard, 2017., DACO: 10.2.3,10.2.3.3,10.3.2
- 3524092 2023, Value Summary for LifeGard WG Label Expansion for Control of Flyspeck, Sooty Blotch, Apple Scab, and Powdery Mildew in Apples and Black Rot and Phomopsis in Grapes, DACO: 10.1,10.2,10.2.1,10.2.2,10.2.3,10.2.3.1,10.2.3.2,10.2.3.3,10.3,10.3.1,10.3.2,10.3.3,10.4,10.5,10.5.3,10.5.4

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