

Evaluation Report for Category B, Subcategory 3.9 Application

Application Number: 2022-1545
Application: New or changes to Product Labels-level of control
Product: Delaro Complete Fungicide
Registration Number: 34095
Active ingredients (a.i.): Prothioconazole, Trifloxystrobin, Fluopyram
PMRA Document Number: 3373881

Background

Delaro Complete Fungicide is a broad spectrum fungicide containing 176.2 g/L prothioconazole, 154 g/L trifloxystrobin and 128.3 g/L fluopyram. Delaro Complete Fungicide is registered for use on cereals, corn and soybean to control or suppress certain foliar diseases when applied at a rate range of 214.6 to 268.8 g a.i./ha. 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 application is to modify a claim to ‘suppress tar spot on corn’ to a claim to ‘control tar spot on corn’ when Delaro Complete Fungicide is applied at a rate of 0.586 L product/ha (268 g a.i./ha) up to two times per year with an application interval of 7-14 days using ground or aerial application equipment.

Chemistry, Health and Environmental Assessment

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 rate and timing, remained unchanged.

Value Assessment

Field trials and a rationale were reviewed to support a claim to control tar spot on corn for Delaro Complete Fungicide. When Delaro Complete Fungicide was applied at the late vegetative stage to the early reproductive stage, data showed that tar spot disease severity was reduced consistently and greater corn yield was observed compared to untreated controls. The performance of Delaro Complete Fungicide was comparable to the commercial standard applied in the same trials. Tar spot is a novel disease of corn that has recently expanded its range into Canada. The disease may cause significant yield loss in corn.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the subject application and determined that the submitted information is adequate to support an amendment to the claim on the Delaro Complete Fungicide to control of tar spot on corn when applied as proposed.

References

- 3084940 2020, Compilation of Field Trial Reports: Value Assessment of USF0411 Foliar Fungicide for Control of Foliar Diseases of Corn, Soybeans, and Small-grain Cereals, DACO: 10.2.3.3, 10.2.3.3(D), 10.3.2(B)
- 3095337 2020, Value Assessment of USF0411 Foliar Fungicide for Control of Foliar Diseases of Corn, Soybeans, and Small-grain Cereals, DACO: 10.1, 10.2.1, 10.2.2, 10.2.3.1, 10.2.3.3, 10.2.3.3(D), 10.2.4, 10.3.1, 10.3.2, 10.3.2(B), 10.4, 10.5.1, 10.5.2, 10.5.3
- 3342493 2022, Value Assessment of USF0411 Foliar Fungicide for Control of Tar Spot of Corn, DACO: 10.1, 10.2.2, 10.2.3.1, 10.3, 10.5.1
- 3342494 2022, Compilation of Trial Reports: Value Assessment of USF0411 Foliar Fungicide for Control of Tar Spot of Corn, DACO: 10.2.3.3(D)
- 3366336 2022, Delaro Complete Fungicide (Reg. No. 34095) Additional data and rationale to support tar spot control in corn, DACO: 10.1,10.2.2,10.2.3.1
- 3366338 2022, Delaro Complete Fungicide (Reg. No. 34095) Additional data and rationale to support tar spot control in corn, DACO: 10.2.3.3(D)

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