

Evaluation Report for Category B, Subcategory 3.1, 3.10 Application

Application Number: 2021-2728
Application: Application Rate Decrease/Tank Mix
Product: Soratel
Registration Number: 34155
Active ingredients (a.i.): Prothioconazole
PMRA Document Number : 3277846

Background

Soratel, containing prothioconazole at 250 g/L, is a foliar fungicide registered to manage certain diseases on various crops, including suppression of fusarium head blight on wheat (spring, winter and durum) and barley. For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the product label. Orius 430 SC Foliar Fungicide, containing tebuconazole at 430 g/L, is a suspension fungicide registered to manage certain diseases on various crops, including suppression of fusarium head blight on wheat.

Purpose of Application

The purpose of this application was to amend the registration of Soratel to add a tank mix claim for suppression of fusarium head blight on wheat (spring, winter and durum) and barley when Soratel is applied at 0.4 L product/ha with Orius 430 SC Foliar Fungicide at 0.232 L product/ha and a non-ionic surfactant at 0.125% v/v.

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 crops and application timing of the component product, remained unchanged.

Value Assessment

Data from twelve field studies demonstrated that a tank mix of Soratel at 0.4 L product/ha, Orius 430 SC Foliar Fungicide at 0.232 L product/ha and a non-ionic surfactant at 0.125% v/v performed similarly to Soratel applied alone within the registered solo rate range to suppress fusarium head blight on wheat (spring, winter and durum) and barley. The addition of this tank mix to the label of Soratel will provide cereal growers with an alternative tool for management of fusarium head blight on wheat (spring, winter and durum) and barley at reduced rates of both tank mix partners.

Conclusion

The PMRA has completed an assessment of the subject application and has concluded that the submitted information is adequate to support the claim of suppression of fusarium head blight (*Fusarium* spp.) on wheat (spring, winter and durum) and barley when Soratel (at 0.4 L product/ha) is tank mixed with Orius 430 SC Foliar Fungicide (at 0.232 L product/ha) and a non-ionic surfactant (at 0.125% v/v).

References

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- 2019, Prothioconazole Formulations in Barley for Fusarium Control, DACO:
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- 2019, Prothioconazole Formulations in Barley for Fusarium Control, DACO:
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- 2019, Prothioconazole Formulations in Durum for Fusarium Control,
3074247 DACO: 10.2.3.3(D),10.3.2
- 2019, Prothioconazole Formulations in Durum for Fusarium Control,
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- 2019, Prothioconazole Formulations in Wheat for Fusarium Control, DACO:
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- 2019, Prothioconazole Formulations in Wheat for Fusarium Control, DACO:
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- 2019, Prothioconazole Formulations in Spring Wheat for Fusarium Control,
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- 2019, Prothioconazole Formulations in Wheat for Fusarium Control, DACO:
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- 2019, Prothioconazole Formulations in Wheat for Fusarium Control, DACO:
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