

Evaluation Report for Category B, Subcategory 3.10 Application

Application Number: 2024-1988
Application: New Product Labels-Application Rate decrease
Applicant: Adama Agricultural Solutions Canada (MPW)
Product: Soratel
Registration Number: 34155
Active ingredient (a.i.): Prothioconazole
PMRA Document Number : 3639974

Background

The fungicide product Soratel, containing the active ingredient prothioconazole (250 g/L), has been registered since 2021. Recommendations to tank mix Soratel at a rate of 0.4 L/ha with another fungicide, Orius 430 SC, at a rate of 0.232 L/ha are currently registered on the label to manage fusarium head blight on wheat and barley. Detailed use directions, precautions, and restrictions, are found on the product label.

Purpose of Application

The purpose of this application was to amend the registered tank mix rate for suppression of fusarium head blight disease on wheat and barley on the Soratel label by adding lower rates for both tank mix partners, resulting in a rate range of 0.3- 0.4 L/ha for Soratel and 0.174-0.232 L/ha for Orius 430 SC.

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, and application timing remained unchanged with the exception of the decreased application rate.

Value Assessment

The results from 13 field efficacy trials demonstrated that a reduced tank mix rate of Orius 430 SC at 0.174 L/ha plus Soratel at 0.3 L/ha was equally effective at reducing fusarium head blight disease compared to the currently registered tank mix application rate.

Fusarium head blight is a major disease of wheat and barley with infections resulting in losses in yield and grain quality. The addition of reduced tank mix application rates will provide users with a range from which to choose an effective rate based on disease pressure.

Conclusion

The Pest Management Regulatory Agency has completed the assessment of the subject application and determined that the submitted information was adequate to amend registered tank

mix directions to include a rate range of 0.3-0.4 L/ha for Soratel and 0.174-0.232 L/ha for Orius 430 SC to manage fusarium head blight on wheat and barley when used according to label directions.

References

PMRA #	Reference
3587959	2024, Value Summary for Soratel and Orius 430 SC, DACO: 10.1,10.2.3.1,10.3,10.3.1,10.3.2(B),10.3.3,10.4,10.5,10.5.1
3601560	2024, Biological Mixes for Fusarium Control in Wheat - No Polyversum or ADF-74, Trial ID: CA_FU-33117823-FUS3-WHT_FB23MAWA1, DACO: 10.2.3.3(D)
3601561	2024, Biological Mixes for Fusarium Control in Wheat - No Polyversum or ADF-74, Trial ID: CA-FU-33117823-FUS3-WHT_Final Report_Oct-17-2023, DACO: 10.2.3.3(D)
3601562	2024, Biological Mixes for Fusarium Control in Wheat - No Polyversum or ADF-74, Trial ID: CA-FU-33117823-FUS3-WHT_updated, DACO: 10.2.3.3(D)
3601564	2024, Biological Mixes for Fusarium Control in Wheat, Trial ID: CA-FU-33117823-FUS-WHT, DACO: 10.2.3.3(D)
3601565	2024, Soraduo Rates for Fusarium Control in Wheat, Trial ID: CA-FU-33117823-SOR-WHT_2_winterwheat, DACO: 10.2.3.3(D)
3601566	2024, Soraduo Rates for Fusarium Control in Wheat, Trial ID: CA-FU-33117823-SOR-WHT_2_winterwheat, DACO: 10.2.3.3(D)
3601567	2024, Soraduo Rates for Fusarium Control in Wheat - Late Trial, Trial ID: CA-FU-33117823-SOR-WHT_2-Late, DACO: 10.2.3.3(D)
3601568	2024, Soraduo Rates for Fusarium Control in Wheat, Trial ID: CA-FU-33117823-SOR-WHT_FB23MAWA2, DACO: 10.2.3.3(D)
3601569	2024, Soraduo Rates for Fusarium Control in Wheat, Trial ID: CA-FU-33117823-SOR-WHT_trial1wilkin, DACO: 10.2.3.3(D)
3601570	2024, Biological Mixes for Fusarium Control in Wheat - No Polyversum or ADF-74, FINAL REPORT_CA-FU-33117823-FUS3-WHT_FM23MAWP1-101823, DACO: 10.2.3.3(D)
3601571	2024, FUS-WHT Data; FW23, DACO: 10.2.3.3(D)
3601572	2024, Biological Mixes for Fusarium Control in Wheat - No Polyversum or ADF-74, S01_CA-FU-33117823-FUS3-WHT(FINAL), DACO: 10.2.3.3(D)
3601573	2024, SWSRC-23-ADAMA-CAFU-WHT, DACO: 10.2.3.3(D)

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