

Evaluation Report for Category B, Subcategory 3.11 Application

Application Number: 2022-6458
Application: New Pests
Product: A19649 Fungicide
Registration Number: 33018
Active ingredients (a.i.): Pydiflumetofen
PMRA Document Number: 3424833

Background

A19649 Fungicide, containing pydiflumetofen at 200 g/L, is a suspension concentrate product registered to control or suppress certain diseases on dried shelled peas and beans, soybeans, barley, oats, rye, triticale, wheat, corn, rapeseeds, sunflower crops and peanuts. 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 amend the claim of suppression of fusarium head blight (*Fusarium graminearum*) on barley to suppression of fusarium head blight (*Fusarium spp.*), as well as to add claims against scald, spot blotch and net blotch on barley when A19649 Fungicide is applied at 0.5-0.625 L product/ha in a tank mix with Miravis Era B Fungicide at 0.4-0.5 L product/ha with 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

Scientific rationales and data from efficacy trials previously submitted by the registrant and reviewed under historical submissions provided evidence that A19649 Fungicide, applied at 0.5-0.625 L product/ha in a tank mix with Miravis Era B at 0.4-0.5 L product/ha with a non-ionic surfactant at 0.125% v/v will control scald, spot blotch and net blotch on barley. Additionally, the submitted value information supported the revision of the causal pathogen of fusarium head blight on barley from "*Fusarium graminearum*" to "*Fusarium spp.*" based on crop susceptibility and evidence of efficacy.

The addition of these claims to the label of A19649 Fungicide will provide barley growers with an option of a tank mixture with Miravis Era B and a non-ionic surfactant to manage the listed diseases with two different modes of action, which may reduce the risk of resistance development.

Conclusion

The PMRA has completed an assessment of the subject application and has concluded that the submitted information is adequate to support the following claims:

- Revision of the causal pathogen of fusarium head blight on barley from *F. graminearum* to *Fusarium* spp. when A19649 Fungicide is applied at 0.5-0.625 L product/ha in a tank mix with Miravis Era B Fungicide at 0.4-0.5 L product/ha with a non-ionic surfactant at 0.125% v/v.
- Control of scald, spot blotch and net blotch on barley when A19649 Fungicide is applied at 0.5-0.625 L product/ha in a tank mix with Miravis Era B Fungicide at 0.4-0.5 L product/ha with a non-ionic surfactant at 0.125% v/v.

References

2022, DACO 10 VALUE SUMMARY: Efficacy and crop response for suppression of Fusarium head blight species in barley and control of associated leaf diseases net blotch, scald, and spot blotch in barley with a mixture of A19649 Fungicide and 3416887 Miravis Era B, DACO: 10.1,10.2,10.2.1,10.2.2,10.2.3.1

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