



Evaluation Report for Category B, Subcategory 3.11 Application

Application Number: 2014-1018
Application: New or Changes to Product Labels-New Pests
Product: Evito 480 SC Fungicide
Registration Number: 30408
Active ingredients (a.i.): fluoxastrobin
PMRA Document Number : 2424939

Background

Evito 480 SC Fungicide is a suspension product containing 480 g fluoxastrobin/L. Fluoxastrobin is a Group 11 fungicide that acts on pathogen cells by inhibiting fungal respiration, which in turn inhibits spore germination, spore penetration and fungal growth. Evito 480 SC Fungicide is currently registered to control diseases on wheat, barley, corn, soybean, potato, tomato, pepper and strawberry. Registered rates fall between 146 – 292 ml/ha. Aerial application is indicated for wheat, barley, soybean, corn and potatoes. For wheat and barley, Evito 480 SC must be tank mixed with a fungicide with a different mode of action registered for the same use. Tank mix partners are indicated in the use directions.

Purpose of Application

The purpose of this submission is to add the claim of control of septoria leaf blotch (*Septoria tritici*) on wheat to the Evito 480 SC Fungicide label. The rates and application timings are the same as those currently registered for other diseases.

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 crop, application rates and timings, of the component product remained unchanged.

Value Assessment

Four trials conducted in 2012 and 2013 on spring and winter wheat in the cereal growing areas of the United States, Canada and Germany were submitted to support the claims. Since these pathogens only infect under certain conditions and are a major pest in both Canada and Germany, it is assumed the results of the trial conducted in Germany are pertinent to Canadian production.

Fluoxastrobin significantly reduced disease incidence under high disease pressure in one trial; however, reduction of disease severity was below PMRA standards for control at all tested rates

(partial suppression). The higher rates are clearly more effective under higher disease pressures. The results also show that a second application may be required to maintain control of symptoms. The trials imply suppression of septoria leaf blotch with fluoxastrobin when applied as proposed. Evito 480 SC should be tank mixed with a fungicide with a different mode of action registered on the same disease according to current use directions for wheat. The use of a tank mix should increase the level of suppression to control levels. The registration of Evito 480 SC for this use provides growers with another fungicide option. This product will target other foliar diseases at the same rates and timings, which increases its value.

Conclusion

The submitted value information was sufficient to support the claim of suppression of septoria leaf blotch (*Septoria tritici*) on wheat at rates of 146 – 292 ml/ha applied on a 14 to 21 day interval. The higher rate should be used when disease pressure is high. Evito 480 SC should be tank mixed with another fungicide with a different mode of action registered against septoria leaf blotch.

References

- 2405203 2014, Efficacy Summary for Evito 480 SC Fungicide for Control of Septoria Leaf Spot of Wheat and Barley, DACO: 10.1,10.2.2,10.2.3.1,10.2.3.3(D)
- 2405204 2014, Efficacy Summary for Evito 480 SC Fungicide for Control of Septoria Leaf Spot of Wheat and Barley_CBI, DACO: 10.2.2 CBI
- 2405206 2013, Efficacy, Tolerance, and Yield Response of Wheat to ARY-0473-001 + ARY-0415-004 Applied at Flag Leaf, DACO: 10.2.3.3(D)
- 2405207 2013, Efficacy, Tolerance, and Yield Response of Wheat to ARY-0473-001 + ARY-0415-004 Applied at Flag Leaf, DACO: 10.2.3.3(D)
- 2405208 2013, Determine the efficacy of Evito for disease control when tankmixed with fungicides of different modes of action., DACO: 10.2.3.3(D)
- 2405209 2012, FIELD STUDY FINAL REPORT ARY-0473-01 and ARY-0534-04 FOLIAR DISEASES (*Mycosphaerella graminicola*, *Blumeria graminis*, *Puccinia recondita*) WINTER SOFT WHEAT 2012, DACO: 10.2.3.3(D)

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