



Evaluation Report for Category C, Subcategory 3.11 Application

Application Number: 2012-4250
Application: New or Changes to Product Labels – New Pestas
Product: Evito 480 SC Fungicide
Registration Number: 30408
Active ingredients (a.i.): Fluoxastrobin
PMRA Document Number : 2273419

Background

Evito 480 SC Fungicide was first registered in Canada on June 29, 2012. It contains 480 g fluoxastrobin per litre and is registered for control of stem rust and powdery mildew on wheat and barley, among other uses.

Purpose of Application

The purpose of this Cat C.3.11 is to add two disease claims, control of leaf rust and tan spot on wheat (spring, durum) and barley, to the Evito 480 SC Fungicide label.

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 application rates for the new use are within previously registered rates.

Value Assessment

A total of five field trials tested Evito 480 against leaf rust on winter wheat (n=2) and tan spot on spring wheat (n=3). One application of Evito 480 SC Fungicide at 146 or 292 mL/ha adequately controlled tan spot on spring wheat in three field trials (85-100% disease reduction). Levels of protection were more variable in leaf rust trials. The application timing of Evito 480 SC Fungicide directly impacted product efficacy. An early application reduced leaf rust severity by 12-39%, while the late application resulted in disease suppression or control (61-81% reduction) under moderate to high disease pressure. Overall, fluoxastrobin treatments increased yield by 8-33% and were statistically comparable to the commercial standards. Use history from the U.S. confirmed that Evito 480 SC Fungicide applied once or twice at 146 mL/ha provided consistent levels of protection against leaf rust and tan spot on spring wheat, with disease reduction ranging between 70% and 85%. Based on similarities in pest and crop biology, Evito 480 SC Fungicide is expected to similarly control the two proposed diseases on wheat and barley.

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Evito 480 SC Fungicide for control of leaf rust and tan spot on wheat (spring, durum) and barley.

References

- 2233840 2012, Efficacy Summary for Evito 480 SC Fungicide for Control of Leaf Rust and Tan Spot Diseases of Wheat and Barley, DACO: 10.1, 10.2.1, 10.2.2, 10.2.3.1, 10.2.3.3(D)
- 2233841 2012, Excel Tables for Efficacy Summary for Evito 480 SC Fungicide for Control of Leaf Rust and Tan Spot Diseases of Wheat and Barley, DACO: 10.2.3.1,10.2.3.3(D)
- 2233842 2009, Control of Foliar Wheat Diseases with Fungicides Stillwater, Oklahoma - 2008-2009, DACO: 10.2.3.3(D)
- 2233843 2010, Control of Foliar Wheat Diseases with Fungicides Stillwater, Oklahoma 2009-2010, DACO: 10.2.3.3(D)
- 2233844 2010, Evito for cereal diseases on flowering wheat, DACO: 10.2.3.3(D)
- 2233845 2009, Efficacy of Evito on Cereal Diseases., DACO: 10.2.3.3(D)
- 2233846 2011, Efficacy of Evito on Cereal Diseases., DACO: 10.2.3.3(D)
- 2233847 2012, History of Credible Use in the United States, DACO: 10.2.3.3(D)
- 2233848 2012, History of Credible Use in the United States, DACO: 10.2.3.3(D)

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