



Evaluation Report for Category B, Subcategory 3.11 Application

Application Number: 2014-1397
Application: Category B, subcategory 3.11
Product: Evito 480 SC Fungicide
Registration Number: 30408
Active ingredients (a.i.): Fluoxastrobin
PMRA Document Number : 2438497

Background

Evito 480 SC Fungicide has been registered since June, 2012 and is registered for control of certain diseases in wheat, barley, corn, soybean, potato, tomato, pepper and strawberry. For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to product label.

Purpose of Application

The purpose of this application was to amend the registration of Evito 480 SC Fungicide to include the claim of control of Northern corn leaf blight (*Setosphaeria turcica*, anamorph: *Exserohilum turcicum*) on corn. The product is intended for application at a rate of 146 to 296 ml per hectare with a maximum of two to four applications per year depending on the type of corn with a 7-10 day interval between applications to control Northern corn leaf blight disease.

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

In the three (3) experimental trials provided, the level of disease reduction obtained with 1 to 5 applications at a rate of 219 mL/ha varied from 20 to 90 % control (average of 61% across the season). As the season progressed, the level of disease reduction decreased even with continued Evito 480 SC Fungicide applications. It was explained that it is probably due to the polycyclic nature of the disease and the increase of inoculum as the season progressed. A maximum of two (2) applications per crop is recommended by the Fungicide Resistance Action Committee on all types of cereals to delay resistance development. With two (2) applications being made preventatively, the level of disease reduction by the end of the season will most likely be at the suppression level rather than control. However, depending on the hybrid's resistance to leaf diseases and the season, significant increases in yield may be achieved with Evito 480 SC Fungicide.

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 to include the claim of suppression of Northern corn leaf blight (*Setosphaeria turcica*, anamorph: *Exserohilum turcicum*) on corn to the product label.

References

- 2417772 2014, Efficacy Summary for Evito 480 SC Fungicide for Control of Northern Corn Leaf Blight of Corn, DACO: 10.1,10.2.2,10.2.3.1,10.2.3.3(D)

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