

Evaluation Report for Category C, Subcategory 3.10, 3.11 Applications

Application Number: 2012-4251
Application: New or Changes to Product Labels – New Pest & Tank Mixes
Product: Evito 480SC Fungicide
Registration Number: 30408
Active ingredients (a.i.): Fluoxastrobin
PMRA Document Number : 2260695

Background

Evito 480SC Fungicide is a leaf-systemic strobilurin fungicide that contains the active ingredient fluoxastrobin, and registered in Canada in June 2012 for the control or suppression of certain diseases in wheat, barley, corn, soybean, potato, tomato, pepper, strawberry, and turf grass.

Purpose of Application

The purpose of this application is to add the control of grey leaf spot and certain tank mixes on corn to the Evito 480SC Fungicide (PMRA Reg. No. 30408) label. The proposed rates for grey leaf spot are the same as the currently registered rates for other corn diseases.

Chemistry, Health and Environmental Assessments

A chemistry assessment was not required since there was no change to product chemistry. A health and environment assessment was not required since the use pattern remained unchanged.

Value Assessment

The sponsor submitted efficacy data, a scientific rationale and use history information to support the use claims for the control of grey leaf spot and tank mixes on corn using Evito 480SC Fungicide (PMRA Reg. No. 30408). Data from four field trials and use history information from the USA demonstrated the efficacy of Evito 480SC Fungicide in controlling grey leaf spot in corn. Overall, the efficacy trials showed that Evito 480SC at the proposed rates significantly reduced disease severity and provided control comparable to the commercial standards. The data also clearly showed the yield benefits of Evito 480SC applications. The use history information also confirmed that Evito 480SC controlled the proposed disease on corn. A rationale justified the value of the proposed tank mixes of Evito 480SC with selected propiconazole and chlorothalonil based fungicides. The proposed uses will provide Canadian growers an alternative solution to manage multiple diseases on corn and to delay fungicide resistance development. The claims are accepted with minor modifications. Label amendments are required.

Conclusion

The results confirmed the benefit of Evito 480SC Fungicide on the control of grey leaf spot on corn. Both the level and consistency of control were comparable to the commercial standards applied in the same trials. The value of tank mixes was also confirmed.

References

- PMRA #2233883, 2012, Efficacy Summary for Evito 480 SC Fungicide for Control of Grey Leaf Spot of Corn and Addition of Tankmixes. DACO: 10.1, 10.2.1, 10.2.2, 10.2.3.1, 10.2.3.3(D).
- PMRA #2233885, 2012, History of Credible Use in the United States. DACO: 10.2.3.3(D).
- PMRA #2233886, 2012, History of Credible Use in the United States. DACO: 10.2.3.3(D).
- PMRA #2233887, 2012, History of Credible Use in the United States. DACO: 10.2.3.3(D).
- PMRA #2233888, 2012, History of Credible Use in the United States. DACO: 10.2.3.3(D).
- PMRA #2233889, 2012, History of Credible Use in the United States. DACO: 10.2.3.3(D).
- PMRA #2233890, 2010, EVALUATION OF EVITO 480 SC ON SWEET CORN. DACO: 10.2.3.3(D).
- PMRA #2233891, 2008, Effect of foliar fungicides on leaf diseases of seed corn in Indiana, 2008. DACO: 10.2.3.3(D).
- PMRA #2233892, 2008, Evito (Fluoxastrobin) fungicide compared to other Strobliurns. DACO: 10.2.3.3(D).
- PMRA #2233895, 2008, General Foliar Fungicide Evaluation in Corn. DACO: 10.2.3.3(D).

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