



Evaluation Report for Category B, Subcategory 3.11 Application

Application Number: 2014-0072
Application: Category B.3.11 Streamline – New Pests
Product: Trilogy SC Fungicide
Registration Number: 29870
Active ingredients (a.i.): iprodione [IPD], triticonazole [TRT], trifloxystrobin [TFY]
PMRA Document Number : 2438985

Background

Trilogy SC Fungicide (Reg. No. 29870) is a soluble concentrate containing three active ingredients: 29.41% iprodione (Group 3), 3.14% triticonazole (Group 3), and 1.47% trifloxystrobin (Group 11). This product is currently registered for use in Canada for preventative control of the fall and winter turf disease pink and grey snow moulds and for control of summer turf diseases dollar spot and basal rot anthracnose at a rate range of 100 ml to 177 ml/100 m².

Purpose of Application

The purpose of this application is to add the claims of control of microdochium (fusarium) patch (*Microdochium nivale*) and brown patch (*Rhizoctonia solani*) on golf course and sod farm turf to the Trilogy 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 the use pattern, including host crop, application rates and timings, of the component product remained unchanged.

Value Assessment

Brown patch (*Rhizoctonia solani*): Three trials conducted in the US (NJ, NC) in 2012 and 2013 were submitted and reviewed in support of the claim. The results indicate that treatment with Trilogy SC at the proposed rate on a 21-day interval provides acceptable control of dollar spot. Although not tested, the results from the trials indicate that a shorter interval (14-days) may be appropriate when disease pressure is high.

Microdochium patch (*Microdochium nivale*): Three trials conducted in the US (WA, OR) in 2012 and 2013 were submitted to support the claim. One trial was not reviewed due to low disease pressure. The results from both trials indicate that Trilogy SC applied at the proposed low and high rates will provide acceptable control of microdochium patch when applied on a 21-day or 28-day interval under moderate to high disease pressure.

All three of the active ingredients in Trilogy SC Fungicide are currently registered to control brown patch and the microdochium patch pathogen at similar or higher rates. The combination improved the level of control of both diseases compared to the commercial standards and contributes to resistance management. Golf courses and sod farms require high levels of control to preserve the playability and aesthetic quality of turf. Turf managers have very high standards with respect to the level of control expected from pesticide treatments. Trilogy SC Fungicide will provide industry accepted levels of control of the proposed diseases on highly managed turf under moderate to high disease pressure.

Conclusion

The submitted value information was sufficient to support the claims of control of brown patch and microdochium patch on golf course and sod farm turf with Trilogy SC Fungicide at the proposed rates and timings.

References

- 2379515 2013, Trilogy SC Fungicide (394.63 g ai/L containing 29.41% Iprodione or 341.156 g/L, 1.47% Trifloxystrobin or 17.052 g/L and 3.14% Triticonazole or 36.424 g/L) for the control of brown patch and microdochium patch on turf grass found on golf courses and sod farms, DACO: 10.1,10.2.2,10.2.3.1,10.2.3.3

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