



New or Changes to Product Labels- Level of Control Evaluation Report for Category B, Subcategory 3.9 Application

Application Number: 2017-6723
Application: New or Changes to Product Labels- Level of Control
Product: Signature Xtra StressGard
Registration Number: 32800
Active ingredients (a.i.): Fosetyl-Al
PMRA Document Number : 2885438

Background

Signature Xtra StressGard Fungicide was first registered in August 2017. It is a systemic fungicide registered to control anthracnose (basal rot and foliar blight) and to suppress pythium blight and root rot in turfgrass on golf courses, sod farms and turf areas.

Purpose of Application

The purpose of this application is to amend the label of Signature Xtra StressGard Fungicide by modifying the level of control for pythium blight and pythium root rot on turf and adjusting the rate and application interval for these uses.

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

Six efficacy trials and benefit information were provided to support the application. Three trials indicated that pythium blight is controlled when applied at 60 g/100 m² with a 7-day interval and at 120-180 g/100 m² with a 14 day interval. Three additional trials showed that Signature Xtra StressGard suppressed pythium root rot at 60 g/100 m² with a 7-day interval and at 120 g/100 m² with a 14 day interval. Data also demonstrated that Signature Xtra StressGard controlled pythium root rot at 180 g/100 m² with a 14 day interval. The higher rate and 14-day interval should be used under conditions that promote rapid disease development. Although there are several alternative products registered to manage these serious turf diseases, the flexible application profile of Signature Xtra StressGard, consisting of three application rates and two application intervals, will provide users with additional options for disease management on turf.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided in support of the product, Signature Xtra StressGard Fungicide, and has found the information sufficient to modify the product label for the use on turf.

References

- 2818821 2017, Signature Xtra Stressgard - Pythium Use History, DACO: 10.2.4
- 2818823 2017, Signature Xtra Stressgard a 60% formulation of the active ingredient fosetyl-Al Label Expansion for the control of Pythium blight and Pythium Root Rot turfgrass diseases in Canada, DACO: 10.1,10.2.1,10.2.2,10.2.3.1,10.2.3.3(D),10.3.1,10.3.2(B),10.4,10.5.1,10.5.2,10.5.3,10.5.4,10.5.5
- 2818827 2017, Signature Xtra Stressgard a 60% formulation of the active ingredient fosetyl-Al Label Expansion for the control of Pythium blight and Pythium Root Rot turfgrass diseases in Canada, DACO: 10.2.3.1,10.3.1

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