

Evaluation Report for Category B, Subcategory 4.6 Application

Application Number: 2013-4800
Application: Conversion to fulfill conditions of registration on a product with full registration
Product: Civitas Fungicide for Golf Course Turf
Registration Number: 29825
Active ingredients (a.i.): Mineral Oil
PMRA Document Number: 2360172

Purpose of Application

The purpose of this application was to fulfill the efficacy requirements that were conditions of full registration of Civitas Fungicide for Golf Course Turf. During the Category A review, the value information provided by the applicant supported a suppression claim for spring leaf spot and a possible reduction of symptoms for snow molds. VAD required two (2) small-scale trials on pink and grey snow mold (both disease can be assessed in the same trial) demonstrating that Civitas Fungicide for Golf Course Turf is effective in controlling or suppressing these diseases on golf course turf. VAD also required two (2) small-scale trials demonstrating that Civitas Fungicide for Golf Course Turf is effective in controlling spring leaf spot caused on either golf course greens or fairway turf.

Chemistry, Health and Environmental Assessments

Chemistry, health and environmental assessments were not required for this application.

Value Assessment

Confirmatory value information was requested to confirm the level of efficacy against snow molds and spring leaf spot on golf course turf. A total of 11 trials were submitted and reviewed to fulfill the conditions. In the submitted trials, the level of control of pink and grey snow molds with Civitas varied from 50-75% for disease severity and 72% for disease incidence. These levels of control are not high enough to support a control claim but rather a suppression claim of snow molds. As for spring leaf spot, in the submitted trials, the level of disease incidence control varied from 55 to 74% and as for disease severity, the index varied from 0-3 (0-10 scale) compared to 2.3-6.3 in the untreated control. Civitas performed better at reducing leaf spot disease severity than disease incidence. In a golf course situation, depending on the disease, disease severity control is often more important than disease incidence because of the high aesthetic requirements. The level of control of disease severity of spring leaf spot is sufficient to support a “control” claim as proposed.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided in support of the product, Civitas Fungicide for Golf Course Turf, and has found the information sufficient to support a claim of suppression of pink and grey snow molds and control of spring leaf spot on golf course turf.

References

PMRA Document Number	Reference
2341171	2013, Civitas summary_23AUG2013-word, DACO: 10.2.3.1
2341172	2013, Civitas summary_23AUG2013-excel, DACO: 10.2.3.1
2341175	2013, 2012-2013 Snow Mold Control Evaluation Wawonowin CC Champion, MI, DACO: 10.2.3.3(D),10.3.2
2341176	2013, 2012-2013 Snow Mold Control Evaluation: Sentryworld Golf Course - Stevens Point, WI., DACO: 10.2.3.3(D),10.3.2
2341177	2013, 2012-2013 Snow Mold Control Evaluation Craguns Golf Resort Brainerd, MN, DACO: 10.2.3.3(D),10.3.2
2341178	2011, 2010-2011 Snow Mold Control Evaluation Wawonowin CC Champion, MI, DACO: 10.2.3.3(D),10.3.2
2341179	2011, 2010-2011 Snow Mold Control Evaluation: Grant Park GC Milwaukee, WI, DACO: 10.2.3.3(D),10.3.2
2341181	2013, Effect of Civitas programs on putting green snow mold control, DACO: 10.2.3.3(D),10.3.2
2341182	2013, Effect of Civitas programs on putting green snow mold control, DACO: 10.2.3.3(D),10.3.2
2341183	2011, Evaluation of Alternative Methods for Snow Mold Control on Intermountain West Putting Greens, DACO: 10.2.3.3(D),10.3.2
2341184	2011, Field Evaluation of Civitas on Snow Mold Control on a Putting Green, DACO: 10.2.3.3(D),10.3.2
2341185	2010, Effects of Fungicides Severity of Spring Leaf Spot/Melting out in Kentucky Bluegrass, 2010, DACO: 10.2.3.3(D),10.3.2
2341187	2011, Effects of Fungicides Severity of Spring Leaf Spot/Melting out in Kentucky Bluegrass, 2011, DACO: 10.2.3.3(D),10.3.2

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