



Evaluation Report for Category B, Subcategory 3.1 (Streamline) Application

Application Number: 2013-7114
Application: Changes to product label – Application Rate Decrease
Product: Instrata Fungicide
Registration Number: 28861
Active ingredients (a.i.): fludioxonil, propiconazole, chlorothalonil [FLD, PON, TET] fungicides
PMRA Document Number : 2391934

Background

Instrata Fungicide (Reg. No. 28861) is a suspension concentrate containing 362 g/L chlorothalonil, 57 g/L propiconazole, and 14.5 g/L fludioxonil (433.5 g active ingredient/L). This product is currently registered to control pink snow mould (*Microdochium nivale*) and grey snow mould (*Typhula incarnata*, *T. ishikariensis*) on golf course turf (greens, tees, and fairways) at a rate of 300 ml/100 m² (130 g a.i./100 m²). The product is applied once in the late fall before snow cover.

Purpose of Application

The applicant proposed amending the rate for fairway application to include a lower rate of 225 ml/100 m² (97.5 g a.i./100 m²) to control pink snow mould and grey snow mould on turf. The lower rate is intended for regions that have historical conditions of low to moderate disease pressure. The high rate should be used in regions that have historical conditions of high disease pressure.

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 did not change aside from a reduction in the application rate.

Value Assessment

The applicant submitted a rationale to support the rate amendment, which referenced efficacy trials submitted in the original active ingredient value review. Nine efficacy trials conducted in ON between fall 2004 and spring 2006 were submitted and reviewed.

For both diseases, control was consistent at acceptable levels under low to moderate disease pressure at a rate similar to the proposed rate (222 ml/100 m²). Results were more variable when disease pressure reached higher levels. The current rate should be used when high disease pressure is expected. The rate range is only proposed for use on fairways, likely because these play areas can tolerate higher levels of injury. Disease injury may exceed expectations when the duration of snow cover is prolonged or the environment under the snow favours pathogen

growth. The option of a lower rate gives turf managers flexibility in the spray rate used on fairways based on disease history and expected injury levels. Lower rates result in less chemical being applied to large turf areas and a reduction in spray costs assumed by the turf manager. Based on the review of value information, the lower application rate for use on fairways was supported.

Conclusion

The submitted information was sufficient to support following claims: Control of pink snow mould (*Microdochium nivale*) and grey snow mould (*Typhula incarnata*, *T. ishikariensis*) on golf course fairways at rates of 225 – 300 ml/100 m². The product is to be applied once in the late fall before snow cover. Use the low rate in regions that have historical conditions of low to moderate disease pressure. Use the high rate in regions that have historical conditions of high disease pressure.

References

- 2376538 2013, Value Summary, DACO: 10.1
1266625 2006, INSTRATA Fungicide: Efficacy Summary, DACO: 10.1,10.2.3.1

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