

Evaluation Report for Category C, Subcategory 3.11 Application

Application Number: 2010-2946
Application: Category C, Subcategory 3.11 (New or Changes to Product Labels – New Pest)
Product: Velocity SP Herbicide
Registration Number: 28833
Active ingredients (a.i.): bispyribac (present as sodium salt) [BIA] herbicide
PMRA Document Number : 1968526

Background

Velocity SP Herbicide is currently registered for reduction of annual bluegrass (*Poa annua*) in professional turf (creeping bentgrass, perennial ryegrass, Kentucky bluegrass, tall fescue) on golf course tees and fairways and sod farms only. The registrant claims that when Velocity SP is used for control of annual bluegrass at labelled rates, suppression of dollar spot is achieved. It is not anticipated that turf managers will apply Velocity for suppression of dollar spot only. The fungicidal mode of action is unknown. Velocity and Velocity SG Herbicides are registered in the US for the same uses currently registered in Canada and proposed in this submission. This submission is intended to harmonize this use pattern with the US product.

Purpose of Application

This is a Category C.3.11 application to register Velocity SP Herbicide (Reg. No. 28833) for suppression of dollar spot (*Sclerotinia homeocarpa*) on turf on golf course tees and fairways and on sod farms.

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

Thirteen trials conducted on golf courses in Canada and the US between 2003 and 2009 were submitted for review. Velocity SP provided suppression to control of disease incidence (average 61.4% control) under moderate to high disease pressure. The trials indicate that application of Velocity SP Herbicide to turf has activity against dollar spot. The level of control was not consistent, but the weight of evidence shows suppression of this disease when the product is applied to control annual bluegrass.

On sod farms, the turf is not exposed to as many external stresses as golf courses, such as the high level of maintenance that occurs on fairways and tees and traffic stress from golf carts and golfers; therefore, efficacy is expected to be as good or better on turf produced by sod farms than that observed in the trials.

Only creeping bentgrass was tested in the trials. It should be noted that closely mown turf tends to be more susceptible to dollar spot. The other turf types claimed on the label (Kentucky bluegrass, perennial ryegrass, tall fescue) are maintained at higher mowing heights; therefore, due to the lower level of stress imposed on these turf types, it is expected that Velocity SP will be as efficacious against dollar spot as observed on creeping bentgrass.

The submitted data supports the claim of suppression of dollar spot (*Sclerotinia sclerotiorum*) on golf course turf with Velocity SP Herbicide at the timing targeting annual bluegrass control. The claim is supported on golf course tees and fairways and on sod farms at the proposed rates and timing.

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Velocity SP Herbicide to include suppression of dollar spot on turf grown on golf course tees and fairways and on sod farms.

References

- 1925113 2010, Value Summary for Velocity SP Herbicide, DACO: 10.1,10.2,10.2.1,10.2.2,10.2.3,10.2.3.1,10.2.3.2,10.2.3.3,10.3,10.3.1,10.3.2,10.3.3,10.4,10.5,10.5.1,10.5.2,10.5.3,10.5.4,10.6
1925115 2010, Value Summary - Appendix 2, DACO: 10.2.3.3

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