

Evaluation Report for Category C, Subcategory C.3.1, C.3.15 Application

Application Number: 2008-2598
Application: Category C, subcategory C.3.1, C.3.15 (addition of a lower-rate tank-mix)
Product: Compass 50 WG
Registration Number: 27527
Active ingredients (a.i.): trifloxystrobin
PMRA Document Number: 1683428

Background

Compass 50 WG is a water dispersible granular formulation containing 50% of the active ingredient trifloxystrobin. The active substance is a strobilurin fungicide (group 11 fungicide) which acts as a preventative fungicide primarily. Trifloxystrobin inhibits spore germination and germ tube extension, preventing any further infection of plant tissues. Rovral Green GT is a soluble concentrate formulation containing 240 g/litre of the active ingredient iprodione (group 2 fungicide). The active ingredient is a dicarboximide broad spectrum fungicide which is active against spores and mycelium of many parasitic fungi that infect plant tissue. It has both protectant and curative activity.

Currently, a tank mix of Compass 50 WG with Rovral Green GT Flowable Fungicide is registered on the Compass 50 WG label to control pink snow mould (*Microdochium nivale*) & grey snow moulds (*Typhula* spp.) on turfgrass.

Purpose of Application

The purpose of this submission is to register a lower-rate tank-mix of Compass 50 WG with Rovral Green GT Flowable Fungicide to suppress pink snow mould (*Microdochium nivale*) & grey snow moulds (*Typhula* spp.) on turfgrass. The lower-rate tank-mix would allow for economical applications on turfgrass where suppression is acceptable. This lower rate tank-mix is not recommended for golf greens and tees where a higher level of control is desired.

Chemistry, Health, and Environmental Assessment

A chemistry assessment was not required since there was no change to the product chemistry. Health and environmental assessments were not required since the use pattern, and timing of the component products remained unchanged and the application rate was reduced.

Value Assessment

Six trials were submitted and all were reviewed to support this claim. VSAD agrees that the proposed tank mix (3.8 g of Compass 50 WG with 127 ml of Rovral Green GT Flowable Fungicide) applied in late fall before permanent snow cover provided consistent suppression (average of 87% control) of the three most common snow moulds on turfgrasses in North America: pink snow mould (*Microdochium nivale*) and the grey snow moulds (*Typhula incarnata* and *Typhula ishikariensis*). The efficacy data showed that the efficacy of the proposed tank-mix was equivalent to the two commercial industry standards Terraclor and Quintozene 75 WP. Compass 50 WG and Rovral Green GT are both registered for professional turfgrass disease management in Canada. No phytotoxic effects were reported in any of the six trials.

Conclusion

Based on efficacy and crop tolerance data, VSAD supports the use of this lower-rate tank-mix of Compass 50 WG with Rovral Green GT Flowable Fungicide to suppress snow moulds on turfgrass.

References

PMRA #1614805. Applicant Supplied Data. 2008. COMPASS 50 WG FUNGICIDE (500 g a.i./kg trifloxystrobin) TANKMIXED WITH ROVRAL GREEN GT (240 G A.I. G/LITRE) AT REDUCED RATES FOR SUPPRESSION OF SNOW MOULDS ON GOLF COURSE FAIRWAY TURFGRASS, DACO:
10.1,10.2,10.2.3.1,10.2.3.3,10.3,10.5

PMRA #1614806. Applicant Supplied Data. 2008. Excel tables, DACO: 10.2.3.3

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