Health Canada Santé Canada

Evaluation Report for Category C, Subcategory 3.10 Application

Application Number: 2008-5306
Application: New or Changes to Product Labels – Tank Mixes
Product: Insignia™ EG Fungicide
Registration Number: 28859
Active ingredients (a.i.): Pyraclostrobin
PMRA Document Number: 1725983

Background

Insignia™ EG Fungicide is currently registered in Canada for control of various fungal diseases on turfgrass, including pink snow mold (*Microdochium nivale*) in this claim. It was registered for control of both fusarium patch and pink snow mold on turfgrass in the States (US EPA Reg. No. 7969-184). For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the respective product label.

Purpose of Application

The purpose of this application is to add a tank mix of Insignia™ EG Fungicide (containing pyraclostrobin 20%) and Premis® 200F Fungicide (Reg. No. 28387, containing triticonazole 200 g/L) to the label of Insignia™ EG Fungicide for control of *Microdochium nivale* causing fusarium patch and pink snow mold on golf course turfgrass. It is proposed that Insignia™ EG Fungicide be applied at 250 g/1000 m^2 in a tank mix with Premis® 200F Fungicide at 32 ml/100 m^2. Both are the currently registered rates of Insignia and Premis.

Chemistry, Health and Environmental Assessment

A chemistry assessment was not required since there was change to product chemistry. A health and environment assessment was not required since the use pattern remained unchanged.

Value Assessment

The results confirmed the benefit of the tank mix Insignia and Premis on the control of pink snow mold caused by *Microdochium nivale* on creeping bentgrass. Both level of control and consistency of control were improved with the tank mix. The tank mix of Insignia and lower rate of Premis (28 g/100 m^2 + 16 mL/100 m^2) demonstrated the same level of control compared to the tank mix of Insignia and higher rate of Premis (28 g/100 m^2 + 32 mL/100 m^2) in all three efficacy trials.

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Conclusion

Three trials were reviewed in support of this claim. Overall, the efficacy trials showed that the tank mixes provided superior or comparable pink snow mold control to that of Insignia or Premis applied alone. This indicates that the tank mixes will provide acceptable levels of disease control for fusarium patch. The proposed tank mix claims are accepted with revised application rate for Premis (16 – 32 mL/100 m^2) in the tank mix. Microdochium patch is also recommended to replace the name of fusarium patch in the label.

References

PMRA# 1672750 2008, Proposed Insignia label (tank mixture with Premis).

PMRA# 1672757 2008, Petition for the addition of Premis 200 Fungicide (Triticonazole) as tank mix partner to Insignia (Pyraclostrobin) label for control of pink (*Microdochium nivale*) and gray snow mold (*Typhula incarnata, T. ishikariensis*) and fusarium patch (*M. nivale*).

PMRA# 1672758 2008, Excel tables.

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