

Evaluation Report for Category B, Subcategory 2.1, 2.3, 2.4, 2.3, 3.1, 3.11 Application

Application Number: 2017-4205
Application: New end-use product; new formulation, application rate, and labeled pests
Product: Dedicate Stressgard
Registration Number: 33236
Active ingredients (a.i.): Tebuconazole
Trifloxystrobin
PMRA Document Number : 2913275

Purpose of Application

The purpose of this application was to register Dedicate Stressgard containing the active ingredients tebuconazole and trifloxystrobin, for use on golf course turfgrass and sod farms.

Chemistry Assessment

Dedicate Stressgard is formulated as a suspension containing tebuconazole and trifloxystrobin at concentrations of 190 g/L and 48 g/L, respectively. This end-use product has a density of 1.10-1.14 g/mL and pH of 7.9. The required chemistry data for Dedicate Stressgard have been provided, reviewed and found to be acceptable.

Health Assessments

Dedicate Stressgard is of low acute toxicity to rats via the oral, dermal, and inhalation routes. It is a minimally irritating to the eyes and the skin of rabbits. It is not a dermal sensitizer in guinea pigs.

The use of the end-use product Dedicate Stressgard on golf course turfgrass and sod farms is similar to the registered use patterns for tebuconazole and trifloxystrobin, and as such, is not expected to result in potential occupational or bystander exposure over the previously registered use of these active ingredients. Risk assessments conducted previously are adequate to cover the exposure expected from the use of this end-use product and indicate that there are no health risks of concern to chemical handlers mixing, loading and applying the product or to postapplication workers and recreational users (golfers).

No new residue data for either tebuconazole or trifloxystrobin were submitted and none are required to support the registration of Dedicate Stressgard for use on golf course turfgrass and sod farms.

A comparison with the cited registered precedent product labels demonstrated that the

registration of Dedicate Stressgard does not represent an expansion of use for either active ingredient; as such, no additional residue data or revised estimated environmental concentrations (EECs) for drinking water were required. Therefore, the registration of Dedicate Stressgard for use on golf course turfgrass and sod farms will not pose unacceptable health risks of concern to any segment of the population, including infants, children, adults and seniors provided that the label directions are followed.

Environmental Assessment

No additional risk to the environment is expected from the registration Dedicate Stressgard, for use on golf course turfgrass and sod. farms The use pattern for Dedicate Stressgard falls within the previously registered use pattern for the individual active ingredients, tebuconazole and trifloxystrobin. Product-specific buffer zones and environmental hazard statements for this end-use product are required.

Value Assessment

Results of numerous efficacy trials conducted throughout Canada and the United States supported the use of Dedicate Stressgard for the control of dollar spot, brown patch, anthracnose (basal rot and foliar), summer patch, Fusarium patch, leaf spot, pink snow mould and grey snow mould on turf. The supported application rates are 32-64 mL/100 m². Support was also based on extrapolation from similar uses on registered precedent products. This product provides growers with two modes of action when managing these diseases on turf.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to support the registration of Dedicate Stressgard.

References

PMRA

Document

Number	Reference
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2794903	2017, Starting materials for Dedicate Stressgard, DACO: 3.2.1 CBI
2794904	2017, Formulation Process of Dedicate Stressgard, DACO: 3.2.2 CBI
2794905	2017, Method Validation of Dedicate Stressgard, DACO: 3.4.1 CBI
2794906	2017, The Characterization of Dedicate Stressgard SC, DACO: 3.5.1,3.5.11, 3.5.2,3.5.3,3.5.4,3.5.6,3.5.7,3.5.9 CBI
2794907	2017, Accelerated Storage Stability and Corrosion Characteristics of Dedicate Stressgard, DACO: 3.5.10,3.5.14,3.5.5 CBI
2794908	2017, Waiver and Information Summary for Dedicate Stressgard, DACO: 3.3.1,3.5.12,3.5.13,3.5.15,3.5.8 CBI
2794910	2007, Tartan II: Acute Oral Toxicity Up And Down Procedure In Rats, DACO: 4.6.1

- 2794913 2007, Tartan II: Acute Dermal Toxicity Study In Rats - Limit Test, DACO: 4.6.2
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- 2794915 2007, Tartan II: Primary Eye Irritation Study In Rabbits, DACO: 4.6.4
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- 2794917 2007, Tartan II: Dermal Sensitization Study in Guinea Pigs (Buehler Method),
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- 2794896 2017, Dedicate Stressgard, containing the active ingredients tebuconazole and
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- 2794898 2007, Fungicide resistance in crop pathogens: how can it be managed, DACO: 10.6
- 2794899 2008, Economic Profile of the Ontario Turfgrass Industry, DACO: 10.6

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