

Evaluation Report for Category B, Subcategory 2.1, 2.3 and 2.4 Application

Application Number: 2015-0340

Application: New End-Use Product Chemistry – Guarantee, Identity of

Formulants and Proportion of Formulants

Product: CIVITAS TURF DEFENSE Pre-M1xed

Registration Number: #####

Active ingredients (a.i.): Mineral Oil **PMRA Document Number:** 2680168

Purpose of Application

The purpose of this application was to register the end-use product (EP) CIVATIS TURF DEFENSE Pre-M1xed, containing mineral oil, as a broad spectrum commercial fungicide for use in treating turf grass.

Chemistry Assessment

CIVITAS TURF DEFENSE Pre-M1xed is formulated as an emulsifiable concentrate containing mineral oil at a nominal concentration of 88.8 %. This end-use product has a density of 0.83 – 0.90 kg/L and pH of 7.51. The required chemistry data for CIVITAS TURF DEFENSE Pre-M1xed have been provided, reviewed and found to be acceptable.

Health Assessments

A dietary exposure assessment was not required for this application.

CIVITAS TURF DEFENSE Pre-Mixed is of low acute oral, dermal, and inhalation toxicity, non-irritating to the skin and eye, and is not a dermal sensitizer.

There is no occupational concern anticipated from the use on turf because of its low toxicity profile and adequate exposure mitigation measures present on the label, which includes a restricted entry interval and instructs user to avoid breathing spray mists during application. Bystander exposure is not of concern. Post-application exposure is minimized by restricted entry until sprays have dried.

Environmental Assessment

The uses for CIVITAS TURF DEFENSE Pre-M1xed for treating turfgrass on golf course greens, tees, fairways and roughs, as well as sports and athletic fields all fall within the range of currently registered uses on the precedent product. Thus, an increased environmental exposure is not expected and the characterization of environmental risk is covered under the



established environmental risk assessment for mineral oil. Environmental risks are mitigated through existing environmental statements and buffer zones on the product label.

Value Assessment

A scientific rationale and efficacy data from five bridging trials were provided in support of the uses of CIVITAS TURF DEFENSE Pre-M1xed. Data demonstrated that CIVITAS TURF DEFENSE Pre-M1xed performed similarly to the currently precedent product against dollar spot, anthracnose and brown patch on turfgrass. Compared to the currently registered precedent product, the new EP, CIVITAS TURF DEFENSE Pre-M1xed, does not need to be tank-mixed with a pigmented spray indicator and so the users can directly apply it against the target diseases on turfgrass.

Based on the similarity in formulations and efficacy data from the bridging trials, the performance of mineral oil formulated in CIVITAS TURF DEFENSE Pre-M1xed is expected to be comparable to that of the currently registered precedent product. All use claims are supported as proposed.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided and is able to support the registration of CIVATIS TURF DEFENSE Pre-M1xed.

References

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2496945	2010, Management of Anthracnose Basal Rot in a Putting Green with Fungicide, DACO: 10.2.3.4(C)
2496946	2014, Suppression of Dollar Spot and Evaluation of Turfgrass Quality through the Application of Civitas and Civitas One to a Creeping Bentgrass Putting Green, DACO: 10.2.3.4(C)
2496948	2009, Developing Plant Health Management Programs for Golf Putting Surface Turf with Civitas Results from 2009, DACO: 10.2.3.4(C)
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