

Evaluation Report for Category L, Subcategory 1.2 Application

Application Number: 2020-3725
Application: Submissions Subject to Protection of Proprietary Interests in Pesticide Data Policy - Equivalency/ Data Compensation Assessment
Product: Thrill Herbicide
Registration Number: 34592
Active ingredient (a.i.): Trifluralin
PMRA Document Number: 3362384

Purpose of Application

The purpose of this application was to register Thrill Herbicide, an end-use product based on precedent, to control weeds in many field crops, vegetables and ornamentals.

Chemistry Assessment

Thrill Herbicide is formulated as an emulsifiable concentrate containing Trifluralin at a concentration of 480 g/L. This end-use product has a density of 1.04 g/mL and pH of 5.603. The required chemistry data for Thrill Herbicide have been provided, reviewed and found to be acceptable.

Health Assessments

Thrill Herbicide is considered toxicologically equivalent to the precedent product; therefore, no toxicology data were required. Thrill Herbicide is considered moderately acutely toxic by the oral route. It is considered of low acute toxicity by the dermal and inhalation routes. It is considered a moderate eye irritant and a mild skin irritant in the rabbit. Thrill Herbicide is considered a potential skin sensitizer.

The use pattern of Thrill Herbicide is comparable to the registered use pattern of the precedent product. Therefore, potential exposure for mixers, loaders, applicators, bystanders and postapplication workers is not expected to exceed the current exposure to the registered products of this active ingredient. No health risks of concern are expected for workers and bystanders when label directions, precautions and restrictions are followed.

No new residue data for trifluralin were submitted or are required to support the registration of Thrill Herbicide. Previously reviewed residue data were re-assessed in the framework of this application. The use directions on the Thrill Herbicide label, including the target crops, method (ground), rates and timing of application, tank-mix partners, geographic restrictions, preharvest intervals, feeding restrictions, and crop rotation restrictions, are comparable to those on the precedent end-use product label.

Based on this assessment, residues are not expected to be greater than those for the currently registered uses and will be covered by the established maximum residue limits (MRLs). Consequently, dietary exposure to residues of trifluralin is not expected to increase with the registration of Thrill Herbicide and will not pose health risks of concern to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

After a scientific review of the available information, the PMRA has concluded that the environmental risks associated with the use of Thrill Herbicide are acceptable when used according to the label directions.

Value Assessment

The availability of Thrill Herbicide would provide farmers with an alternative option to manage broadleaf and grassy weeds in a wide range of crops grown across Canada. Registration of a generic product may increase product competition in the marketplace, which may in turn reduce purchasing costs of similar products.

The formulation of Thrill Herbicide was compared to the formulation of a precedent product. It was concluded that differences in the formulations would be unlikely to result in any significant impact on product performance, in terms of both efficacy and crop tolerance.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided and has found it sufficient to support the registration of Thrill Herbicide.

References

PMRA Document Number	References
3146124	2020, Additional Product Chemistry for Thrill Herbicide, DACO: 3.1.1,3.1.2,3.1.3,3.1.4,3.5.13,3.5.15,3.5.4,3.5.5
3146127	2017, Determination of Flash point of Trifluralin 480 g/L EC, DACO: 3.5.11
3146129	2017, Cold Storage Stability (0°C) of Trifluralin 480 g/L EC, DACO: 3.7
3146130	2017, Determination of Explodability of Trifluralin 480 g/L EC, DACO: 3.5.12
3146131	2017, Determination of Density of Trifluralin 480 g/L EC, DACO: 3.5.6
3146132	2017, Determination of Chemical Incompatibility of Trifluralin 480 g/L EC (Oxidation/ Reduction), DACO: 3.5.8
3146133	2017, Determination of Viscosity of Trifluralin 480 g/L EC, DACO: 3.5.9
3146134	2017, Accelerated Storage Stability Study of Trifluralin 480 g/L EC, DACO: 3.4.1,3.4.2,3.5.1,3.5.10,3.5.14,3.5.2,3.5.3,3.5.6,3.5.7
3148725	2020, Product Chemistry Testing and Accelerated Storage Stability/Corrosion Characteristics Testing of Trifluralin 480 g/L EC, DACO: 3.5.1,3.5.10,3.5.11,3.5.14,3.5.2,3.5.3,3.5.6,3.5.7,3.5.8,3.5.9
3333427	2020, Description of Process Formulation to Trifluralin 480 EC Sharda, DACO: 3.2.1,3.2.2,3.2.3,3.3.1 CBI
3348094	2022, Amendment - Accelerated Storage Stability Study of Trifluralin 480 g/L EC, DACO: 3.5.10,3.5.14
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3333428	2022, Response to Notice of Deficiencies for Thrill Herbicide, Sub. No. 2020-3725, DACO: 3.2.2,3.2.3,3.4.1,3.5.10 CBI

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