

Evaluation Report for Category L, Subcategory 1.2 Application

Application Number: 2021-6171
Application: Submission subject to the Protection of Proprietary Interests in Pesticide Data (PIIP) policy - Equivalency/Data Compensation Assessment
Product: BLADE GLYPHOSATE 480 Liquid Herbicide
Registration Number: 34847
Active ingredient (a.i.): Glyphosate (present as isopropylamine salt)
PMRA Document Number : 3424358

Purpose of Application

The purpose of this application was to register a commercial end-use product, BLADE GLYPHOSATE 480 Liquid Herbicide, for non-selective weed control in various cropland systems and in non-cropland areas based on a precedent product.

Chemistry Assessment

BLADE GLYPHOSATE 480 Liquid Herbicide is formulated as a solution containing glyphosate, present as isopropylamine salt, at a concentration of 480 g/L. This end-use product has a density of 1.22 g/mL and pH of 4.65. The required chemistry data for BLADE GLYPHOSATE 480 Liquid Herbicide have been provided, reviewed and found to be acceptable.

Health Assessments

BLADE GLYPHOSATE 480 Liquid Herbicide was considered toxicologically equivalent to the precedent products; therefore, no toxicology data were required. BLADE GLYPHOSATE 480 Liquid Herbicide is considered to be of low acute toxicity via the oral, dermal and inhalation route, severely irritating to the eyes and minimally irritating to the skin. It is considered to be a potential skin sensitizer in guinea pigs.

The requested use pattern of BLADE GLYPHOSATE 480 Liquid Herbicide is comparable to the registered use pattern of the precedent products. Therefore, potential exposure to glyphosate for mixers, loaders, applicators, bystanders, postapplication workers and adults, youth and children entering treated residential settings, 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, bystanders, adults, youth and children when label directions, precautions and restrictions are followed.

No new residue data were submitted or are required to support the registration of BLADE GLYPHOSATE 480 Liquid Herbicide. Previously reviewed residue data were reassessed in the framework of this application.

The use directions on the BLADE GLYPHOSATE 480 Liquid Herbicide label, including the target crops, method (for cropland uses, ground only), rates and timing of application, preharvest intervals, feeding restrictions, and crop rotation restrictions are comparable to those on the label of the precedent product.

Based on the assessment, residues are not expected to be greater than those from the currently registered uses and will be covered by the established maximum residue limits (MRLs). Consequently, dietary exposure to residues of glyphosate is not expected to increase with the registration of BLADE GLYPHOSATE 480 Liquid Herbicide and will not pose health risks of concern to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

The use of BLADE GLYPHOSATE 480 Liquid Herbicide on terrestrial food and feed crops, outdoor ornamentals and turf, in human habitat and recreational areas, forests and woodlots, as well as for industrial vegetation control falls within the currently registered use pattern of the precedent product. The registration of BLADE GLYPHOSATE 480 Liquid Herbicide is acceptable from the perspective of environmental risk when used in accordance with label directions.

Value Assessment

The availability of BLADE GLYPHOSATE 480 Liquid Herbicide provides farmers with an alternative option for non-selective weed control in cropland systems as well as non-cropland areas throughout 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 BLADE GLYPHOSATE 480 Liquid Herbicide was compared to the formulation of a relevant 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 the information sufficient to support the registration of BLADE GLYPHOSATE 480 Liquid Herbicide.

References

PMRA

Document

Number	Reference
3292483	2021, Manufacturing process of Blade Glyphosate 480 liquid herbicide, DACO: 3.2.2 CBI
3292485	2021, Discussion of the formation of impurities of toxicological concern, DACO: 3.2.3
3292486	2021, Enforcement analytical method of Blade glyphosate 480 liquid herbicide, DACO: 3.4.1
3292487	2021, Impurities of toxicological concern, DACO: 3.4.2
3292489	2017, Chemical reports of Blade glyphosate 480 liquid herbicide, DACO: 3.5.1,3.5.2,3.5.3,3.5.6,3.5.7,3.5.8,3.5.9
3292490	2017, Physical and Chemical report of blade glyphosate 480 liquid herbicide, DACO: 3.5.10,3.5.14
3292491	2021, Formulation type, DACO: 3.5.4
3292492	2021, Container material and description, DACO: 3.5.5

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