

Evaluation Report for Category L, Subcategory 1.2 Application

Application Number: 2018-1450
Application: Submissions subject to Protection of Proprietary Interests in Pesticide Data policy-Equivalency/Data Compensation Assessment
Product: Consus Glufosinate 150 SL Herbicide and Crop Dessicant
Registration Number: 34757
Active ingredient (a.i.): Glufosinate-ammonium
PMRA Document Number: 2954921

Purpose of Application

The purpose of this application was to register a new end-use product containing glufosinate-ammonium, based on a registered precedent product.

Chemistry Assessment

Consus Glufosinate 150 SL Herbicide and Crop Dessicant is formulated as a solution containing glufosinate-ammonium at a concentration of 150 g/L. This end-use product has a density of 1.10 g/mL and pH of 6.37-6.40. The required chemistry data for Consus Glufosinate 150 SL Herbicide and Crop Dessicant have been provided, reviewed and found to be acceptable.

Health Assessments

Consus Glufosinate 150 SL Herbicide and Crop Dessicant is considered to be of slight acute oral, moderate dermal and low inhalation toxicity in rats. It is moderately irritating to the eye and skin of the rabbit. It is not a skin sensitizer.

The use of Consus Glufosinate 150 SL Herbicide and Crop Dessicant on lentils, potatoes, canola and alfalfa as a crop desiccant, herbicide and harvest aid is not expected to result in potential occupational or bystander exposure over the registered use of glufosinate-ammonium. No health risks of concern are expected when workers follow label directions and wear personal protective equipment as stated on the label.

No new residue data for glufosinate ammonium were submitted, or are required to support the registration of Consus Glufosinate 150 SL Herbicide and Crop Dessicant. The use directions on the Consus Glufosinate 150 SL Herbicide and Crop Dessicant label, including the target crops (i.e., lentils, potatoes, alfalfa grown for seed and canola), method (ground and aerial), rates and timing of application (desiccant and post-emergent), geographic restrictions, pre-harvest intervals, feeding restrictions, and crop rotation restrictions are identical to the precedent end-use product.

The changes in the formulation components of Consus Glufosinate 150 SL Herbicide and Crop Desiccant are not expected to significantly impact the magnitude of glufosinate ammonium residues in/on the labeled crops.

Based on this assessment, residues are not expected to increase and will be covered under the currently established maximum residue limits for glufosinate ammonium (<http://pr-rp.hc-sc.gc.ca/mrl-lrm/results-eng.php>). Consequently, dietary exposure to residues of glufosinate ammonium is not expected to increase with the registration of Consus Glufosinate 150 SL Herbicide and Crop Desiccant and will not pose health risks of concern to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

The application methods, sites and rates for Consus Glufosinate 150 SL Herbicide and Crop Desiccant are the same as those of the registered precedent product. Therefore, from an environmental protection perspective, the registration of Consus Glufosinate 150 SL Herbicide and Crop Desiccant does not present any increased concern over the registered use of glufosinate-ammonium.

Value Assessment

Value information consisted of a comparison of the formulation of Consus Glufosinate 150 SL Herbicide and Crop Desiccant to that of the cited precedent product. Based on the weight of evidence, agronomic equivalence between Consus Glufosinate 150 SL Herbicide and Crop Desiccant and the cited precedent product was established. Therefore, all labelled uses and claims found on the precedent product label are supported for inclusion on the Consus Glufosinate 150 SL Herbicide and Crop Desiccant label.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found it sufficient to support the registration of Consus Glufosinate 150 SL Herbicide and Crop Desiccant.

References

PMRA Number	Reference
2870938	2017, Formulating Plant's Name And Address, DACO: 3.1,3.1.1,3.1.2,3.1.3,3.1.4, 3.5.13,3.5.15,3.5.5 CBI
2870939	2018, Packaging information-Glufosinate ammonium 150 SN, DACO: 3.5.5
2870940	2018, Description Of Starting Materials, DACO: 3.2,3.2.1,3.2.2,3.2.3,3.3.1 CBI
2870941	2018, GA 150SN and GA200SN formulants, DACO: 3.2.1
2870942	2018, Recipe, DACO: 3.2.2
2870943	2018, Product Chemistry Testing and Accelerated Storage Stability /Corrosion Characteristics Testing of Glufosinate Ammonium, DACO: 3.4.1,3.5,3.5.1, 3.5.10, 3.5.3,3.5.5,3.5.6,3.5.7,3.5.8,3.5.9
2909254	2018, Flammability and Explodability Waiver, DACO: 3.5.11,3.5.12
2943409	2018, Description Of The Formulation Process, DACO: 3.2.2 CBI

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