



Evaluation Report for Category L, Subcategory 1.2 Application

Application Number: 2022-0064
Application: Submissions Subject to Protection of Proprietary Interests in Pesticide Data (PIIP) Policy – Equivalency/Data Compensation Assessment
Product: GLUFA Glufosinate ammonium 200 SN
Registration Number: 34979
Active ingredient (a.i.): Glufosinate-ammonium
PMRA Document Number: 3429843

Purpose of Application

The purpose of this application was to register GLUFA Glufosinate ammonium 200 SN, a new end-use product that controls or suppresses various weeds in glufosinate-ammonium tolerant canola, field corn, and soybeans, based on a registered precedent product.

Chemistry Assessment

GLUFA Glufosinate Ammonium 200 SN is formulated as a solution containing glufosinate-ammonium at a concentration of 200 g/L. This end-use product has a density of 1.133 – 1.137 g/mL and pH of 6.08. The required chemistry data for GLUFA Glufosinate Ammonium 200 SN have been provided, reviewed and found to be acceptable.

Health Assessments

GLUFA Glufosinate Ammonium 200 SN is considered to be of slight acute toxicity by the oral and dermal routes and low acute toxicity by the inhalation route. It is considered to be moderately irritating to the eyes and slightly irritating to the skin, and is not considered to be a dermal sensitizer.

The use pattern of GLUFA Glufosinate Ammonium 200 SN containing glufosinate-ammonium 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 glufosinate-ammonium were submitted or are required to support the registration of GLUFA Glufosinate Ammonium 200 SN. Previously reviewed residue data were re-assessed in the framework of this application.

The use directions on the GLUFA Glufosinate Ammonium 200 SN label, including the target crops, method (ground), rates and timing of application, geographic restrictions, preharvest intervals, feeding/grazing restrictions, and crop rotation restrictions are comparable to those on the label of the precedent end-use product.

Based on this 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 glufosinate ammonium is not expected to increase with the registration of GLUFA Glufosinate Ammonium 200 SN 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 GLUFA Glufosinate Ammonium 200 SN for foliar application to weeds in glufosinate-ammonium tolerant canola (Eastern Canada and British Columbia), and to field corn and soybeans is not expected to result in risks to the environment when used as directed on the label.

Value Assessment

The availability of GLUFA Glufosinate Ammonium 200 SN provides farmers with an alternative option for nonselective post-emergence control of grassy and broadleaf weeds in canola varieties, corn hybrids and soybean varieties that are specially developed to be tolerant to glufosinate-ammonium. 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 GLUFA Glufosinate Ammonium 200 SN was compared to the formulation of a cited 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 acceptable to support the registration of GLUFA Glufosinate Ammonium 200 SN.

References

PMRA Document Number	Reference
3307852	2021, Manufacturing process of Glufa Glufosinate ammonium 200 SN, DACO: 3.2.2 CBI
3307853	2021, Discussion of the impurities concern, DACO: 3.2.3
3307854	2019, Enforcement analytical method, DACO: 3.4.1
3307856	2021, Chemical and physical properties, DACO: 3.5.1, 3.5.10, 3.5.11, 3.5.12, 3.5.14, 3.5.2, 3.5.3, 3.5.6, 3.5.7, 3.5.8, 3.5.9
3307857	2021, Miscibility, DACO: 3.5.13
3307858	2021, Dielectric breakdown voltage, DACO: 3.5.15
3307859	2021, Nano-material characteristics, DACO: 3.5.16
3307860	2021, Formulation type, DACO: 3.5.4
3307861	2021, Container material and description, DACO: 3.5.5

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