

Evaluation Report for Category L, Subcategory 1.2 Application

Application Number: 2020-2671
Application: Submissions Subject to Protection of Proprietary Interests in Pesticide Data Policy - Equivalency/ Data Compensation Assessment
Product: FBN Glufosinate 150 SN Herbicide and Crop Desiccant
Registration Number: 34718
Active ingredient (a.i.): Glufosinate-ammonium
PMRA Document Number: 3281884

Purpose of application

The purpose of this application was to register FBN Glufosinate 150 SN Herbicide and Crop Desiccant, an end-use product based on a precedent, for post-emergent control of grassy and broadleaf weed in a variety of crops.

Chemistry assessment

FBN Glufosinate 150 SN Herbicide and Crop Desiccant is formulated as solution containing glufosinate-ammonium at a concentration of 150 g/L. This end-use product has a density of 1.0681 g/mL and pH of 7.85. The required chemistry data for FBN Glufosinate 150 SN Herbicide and Crop Desiccant have been provided, reviewed and found to be acceptable.

Health assessments

FBN Glufosinate 150 SN Herbicide and Crop Desiccant was considered toxicologically equivalent to the precedent product. Therefore, no toxicology data were submitted or are required.

The use pattern of FBN Glufosinate 150 SN Herbicide and Crop Desiccant is comparable to the registered use pattern of the precedent products. 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 to support the registration of FBN Glufosinate 150 SN Herbicide and Crop Desiccant. The use directions on the FBN Glufosinate 150 SN Herbicide and Crop Desiccant, including target crops, method, rate and timing of application, pre-harvest intervals, and crop rotation restrictions are comparable to the precedent end-use products. Therefore, residues of glufosinate ammonium

in/on treated crops are not expected to be greater than the maximum residue limits (MRLs) currently established. Consequently, the dietary exposure to residues of glufosinate ammonium is not expected to increase with the registration of FBN Glufosinate 150 SN 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

No new environmental data were submitted or required to support this application. The registration of FBN Glufosinate 150 SN Herbicide and Crop Desiccant to control labelled weeds in canola, soybean, raspberry, orchards and vineyards, lowbush blueberries, strawberries, asparagus, carrots, lettuce, onions, and potatoes, does not pose any additional risk to the environment when used according to the label directions.

Value assessment

Registration of a generic product may increase product competition in the marketplace, which may in turn reduce purchasing costs of similar products.

Value information consisted of small plot field trials as well as a comparison of the formulation of FBN Glufosinate 150 SN Herbicide and Crop Desiccant to that of the cited precedent products. Based on the weight of evidence, agronomic equivalence between FBN Glufosinate 150 SN Herbicide and Crop Desiccant and the cited precedent products was established. Therefore, all labelled uses and claims found on the precedent product labels are supported for inclusion on the FBN Glufosinate 150 SN 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 FBN Glufosinate 150 SN Herbicide and Crop Desiccant.

References

| PMRA Document Number | References |
|----------------------|---|
| 3134167 | 2020, [CBI REMOVED]: Product Chemistry Testing of Glufosinate Ammonium 150g/L SL, DACO: 3.2.1,3.5.1,3.5.3,3.5.6,3.5.7,3.5.8,3.5.9 CBI |
| 3134168 | 2020, [CBI REMOVED]: Accelerated Storage Stability/Corrosion Characteristics Testing of Glufosinate Ammonium 150g/L SL, DACO: 3.4.1,3.5.10,3.5.14 CBI |
| 3134170 | 2020, [CBI REMOVED]: Specific Gravity of Glufosinate-Ammonium 150 g/l SL, DACO: 3.5.6 |
| 3134171 | 2020, [CBI REMOVED]: pH of Glufosinate-Ammonium 150 g/l SL, DACO: 3.5.7 |
| 3134172 | 2020, [CBI REMOVED]: Oxidation/Reduction Properties of Glufosinate-Ammonium 150 g/l SL, DACO: 3.5.8 |
| 3134173 | 2020, [CBI REMOVED]: Viscosity of Glufosinate-Ammonium 150 g/l SL, DACO: 3.5.9 |
| 3134177 | 2020, [CBI REMOVED]: Validation of Analytical Method for Determination of Active Ingredient Content of Glufosinate-Ammonium 150 g/l SL, DACO: 3.4,3.4.1,3.4.2 CBI |
| 3134191 | 2020, Recipe Statement, DACO: 3.2.1,3.2.2 CBI |
| 3134194 | 2020, Formulation Process for Glufosinate-ammonium 150 g/l SL, DACO: 3.2.1,3.2.2,3.2.3 CBI |

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