

Evaluation Report for Category B, Subcategory 3.10, 3.12 Application

Application Number: 2020-3948
Application: New or Changes to Product Labels - Tank Mixes; New Site or Host
Product: Liberty 200 SN Herbicide
Registration Number: 25337
Active ingredient (a.i.): Glufosinate-ammonium
PMRA Document Number: 3295268

Purpose of Application

The purpose of this application was to amend the registration of Liberty 200 SN Herbicide to add the use on Enlist E3 soybeans, in a tank-mix with the registered product Enlist 1 Herbicide (Reg. No. 33701; containing 2,4-D, present as choline salt).

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

A toxicology assessment was not required for this application.

No new residue data for glufosinate-ammonium in Enlist E3 soybeans were submitted. Previously reviewed residue data conducted in/on glufosinate-ammonium tolerant soybeans were reassessed in the framework of this application. Based on this assessment, residues are not expected to be greater than that for 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 use expansion and will not pose health risks of concern to any segment of the population, including infants, children, adults and seniors.

The request to amend the registration of Liberty 200 SN Herbicide to include the tank-mix product Enlist 1 Herbicide for use on Enlist E3 soybeans can be supported from an occupational exposure perspective given that the use pattern on Enlist E3 soybeans in tank-mix with Enlist 1 Herbicide fits within the registered use pattern of glufosinate-ammonium. 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.

Environmental Assessment

The use of Liberty 200 SN Herbicide in Enlist E3 soybeans falls within the current registered use pattern. The label expansion of Liberty 200 SN Herbicide to include national use in Enlist E3 soybeans and in tank mixes with Enlist 1 Herbicide is acceptable from the perspective of environmental risk when used in accordance with label directions.

Value Assessment

The amendment to the Liberty 200 SN Herbicide label to include Enlist 1 Herbicide as a tank mix partner provides users with an option to control a broad spectrum of grassy and broadleaf weeds on Enlist E3 soybeans. Furthermore, the active ingredients formulated in Liberty 200 SN Herbicide and Enlist 1 Herbicide are from different herbicide mode of action groups with overlapping weed spectra of control, providing users with a valuable treatment that may help manage the development of herbicide-resistant weed biotypes.

Value information submitted for review consisted of a scientific rationale and data from replicated field trials conducted in Canada and the US. This information demonstrated that Enlist E3 soybeans could be expected to have an adequate margin of tolerance to the tank mixture of Liberty 200 SN Herbicide + Enlist 1 Herbicide applied as per their label instructions.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to support the amendment of registration for Liberty 200 SN Herbicide to add the use on Enlist E3 soybeans, in a tank-mix with Enlist 1 Herbicide.

References

PMRA Document Number	Reference
3172544	2020, Trial reports - BASF, DACO: 10.2.3.3 and 10.3.2
3172546	2020, Trial reports - Corteva Dow AgroSciences, DACO: 10.2.3.3 and 10.3.2
3172547	2020, Liberty 200 SN - Value 10, DACO: 10.1, 10.2.3.1, 10.2.3.3, 10.3.1, and 10.3.2

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