

Evaluation Report for Category C, Subcategory 3.10 Application

Application Number: 2011-2205
Application: Category C, Subcategory C.3.10
Product: Liberty 200 SN Herbicide
Registration Number: 25337
Active ingredients (a.i.): 200 g/L glufosinate ammonium
PMRA Document Number English PDF: 2089404

Background

Liberty 200 SN Herbicide containing 200 g/L glufosinate ammonium (Group 10 Herbicide) is registered for use on glufosinate ammonium tolerant (LibertyLink) field corn in Canada and glufosinate ammonium tolerant canola and soybeans in eastern Canada and British Columbia. The labelled application rate range for Liberty 200 SN is 300-500 g a.i./ha. For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the product label.

Purpose of Application

The registrant has applied to amend the registration of Liberty 200 SN Herbicide to include a new tank mix with FirstRate Herbicide.

- Liberty 200 SN at 300-500 g a.i./ha + FirstRate at 17.5 g a.i./ha

The registrant is not proposing any changes in crops or use rate to Liberty 200 SN Herbicide.

Chemistry Assessment

A chemistry assessment was not required as there was no change to product chemistry.

Health Assessment

A health assessment was not required as there was no change to the product formulation and use pattern.

Environmental Assessment

An environmental assessment was not required as there was no change to the use site and pattern.

Value Assessment

Data from 3 combined efficacy and crop tolerance trials were submitted for review. The trials were conducted in Ontario in 2009 and 2010. The tank mix of Liberty 200 SN at 500 g a.i./ha plus FirstRate at 17.5 g a.i./ha was evaluated and also compared to Liberty 200 SN applied alone.

The highest proposed rate of 500 g ai/ha Liberty was used in the trials in order to demonstrate any potential antagonism with the tank mix. The results indicate 95% control of lamb's quarters (labelled for residual control on the FirstRate label) at the Mid and Late season ratings (19-44 and >45 DAT) compared to 80% for Liberty alone. Both Liberty alone and the proposed tank mix provided the same acceptable level of control of common ragweed at all evaluation timings. Additional weed species not appearing on the FirstRate label were controlled at the Mid and Late evaluations also, suggesting minimal antagonism with the tank mix.

Crop tolerance was also evaluated in these same three trials and the mean was less than 5% at the Early and Mid evaluation timings and zero at the Late evaluation timing.

Conclusions

The PMRA has completed an assessment of the subject application and has found the information sufficient to amend the registration of Liberty 200 SN Herbicide to include the tank mixture of Liberty 200 SN + FirstRate Herbicide for the residual control of weeds appearing on the FirstRate label.

Reference

PMRA # 2057509: Liberty 200 SN Herbicide Data to Support a Tank-mixture with FirstRate Herbicide in Glufosinate Tolerant (LibertyLink) Soybean. DACO. 10.2.3.3 and 10.3.2. May 19, 2011. pp. 82.

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