

Evaluation Report for Category B, Subcategory 3.11 Application

Application Number: 2020-1334
Application: New Pests
Product: Liberty 200 SN Herbicide
Registration Number: 25337
Active ingredients (a.i.): Glufosinate Ammonium
PMRA Document Number: 3161808

Background

Liberty 200 SN Herbicide is registered for use on glufosinate ammonium tolerant field corn and glufosinate ammonium tolerant soybeans throughout Canada and on glufosinate ammonium tolerant canola in Eastern Canada and British Columbia for control or suppression of labelled grass and broadleaf weeds at 1.5 – 2.5 /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 purpose of this application was to amend the registration of Liberty 200 SN Herbicide to include:

- control claim for green pigweed up to the 6 leaf stage at 1.5 L/ha,
- control claim for glyphosate resistant common ragweed (up to the 5 leaf stage at 1.5 L/ha and up to the 7 leaf stage at 2.0 L/ha),
- control claim for Canada fleabane (including glyphosate and group 2 resistant biotypes) up to 10 cm in height, prior to flowering at 2.5 L/ha,
- suppression claim for giant ragweed (including glyphosate resistant biotypes) up to the 8 leaf stage at 2.5 L/ha, and
- in corn and soybean only, control claim for later emerging flushes of waterhemp (including glyphosate resistant biotypes) up to the 8 leaf stage at 2.5 L/ha.

Chemistry Assessment

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

Health and Environmental Assessments

Health and environmental assessments were not required since there are no changes made to the application rate and use pattern.

Value Assessment

The expansion of the Liberty 200 SN Herbicide label to include green pigweed, common ragweed, Canada fleabane, giant ragweed and waterhemp provides corn, soybean and canola growers with an option to manage these weeds that may have documented resistance to multiple herbicide modes of action, especially glyphosate herbicide.

Value information submitted for review consisted of scientific rationales and data from field trials. The provided information demonstrated that a post-emergent application of Liberty 200 SN Herbicide:

- at 1.5 L/ha can be expected to provide acceptable control of green pigweed up to the 6 leaf stage,
- at 1.5 and 2.0 L/ha can be expected to provide acceptable control of glyphosate resistant common ragweed up to the 5 leaf stage and 7 leaf stage, respectively,
- at 2.5 L/ha can be expected to provide acceptable control of Canada fleabane (including glyphosate and group 2 resistant biotypes) up to 10 cm in height, prior to flowering,
- at 2.5 L/ha can be expected to provide suppression of giant ragweed (including glyphosate resistant biotypes) up to the 8 leaf stage, and
- at 2.5 L/ha can be expected to provide acceptable control of waterhemp (including glyphosate resistant biotypes) up to the 8 leaf stage in corn and soybean only.

Conclusion

The PMRA has conducted an assessment of the subject application and has determined that in accordance with the label, the submitted information is adequate to support control claims for green pigweed, common ragweed, Canada fleabane, waterhemp and a suppression claim for giant ragweed.

Reference

List of Studies/Information Submitted by Registrant

Value Assessment

3110516	2020, Liberty 200 SN Herbicide, DACO: 10.1,10.2,10.2.2,10.2.3,10.2.3.1,10.2.3.3(B),10.3,10.4,10.5.3,10.5.5
3110519	2020, Efficacy Trial Reports, DACO: 10.2.3.3(B)

© Her Majesty the Queen in Right of Canada, as represented by the Minister of Health Canada, 2020

All rights reserved. No part of this information (publication or product) may be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, or stored in a retrieval system, without prior written permission of Health Canada, Ottawa, Ontario K1A 0K9.