

## Evaluation Report for Category B, Subcategory B.3.11 Application (New or Changes to Product Label – New Pests)

**Application Number:** 2016-5355  
**Application:** Category B.3.11 (New or changes to product label – New pests)  
**Product:** Liberty 150 SN Herbicide & Crop Desiccant  
**Registration Number:** 24081  
**Active Ingredient (a.i.):** 150 g/L glufosinate ammonium  
**PMRA Document Number:** 2712140

### Background

Liberty 150 SN Herbicide & Crop Desiccant is registered for control of a broad spectrum of grasses and broadleaf weeds in LibertyLink canola and control of primocane in established raspberries. It is also labelled for use as a harvest aid on alfalfa grown for seed production. For specific details of uses, application rates, timings, and methods, precautions, restrictions, and personal protective equipment requirements, refer to the product label.

### Purpose of Application

The purpose of this application was to include the claims of control and improved control of jimsonweed at labelled rates of 3.33 L/ha and 4.0 L/ha, respectively.

### Chemistry, Health, and Environmental Assessments

Chemistry, health, and environmental assessments were not required as there was no change to product chemistry, product formulation, or use pattern.

### Value Assessment

Jimsonweed is a competitive annual broadleaf weed well established in southwestern Ontario where it is found in soybean fields. It has been found in canola fields in Alberta since 2015, likely the results of contaminated seed. The presence of jimsonweed in canola seeds is cause for concern. The registrant indicated that “*there is near-zero tolerance for jimsonweed in canola sold as seed*”.

Value information, which included data from field trials conducted in the USA, Australia, South Africa, Columbia, and Italy, demonstrated that the application of Liberty 150 SN Herbicide & Crop Desiccant at 3.33 L/ha provided acceptable control of jimsonweed. The application rate of 4.0 L/ha numerically increased the level of jimsonweed control over the application rate of 3.33 L/ha.

## **Conclusion**

The PMRA has completed an assessment of the subject application and has found the information sufficient to amend the registration of Liberty 150 SN Herbicide & Crop Desiccant to include the claims of control and improved control of jimsonweed.

## **Reference**

### List of Studies/Information Submitted by Registrant

PMRA # 2678552 2016, Compilation of trial reports: Value assessment of Liberty 150 SN and Liberty 200 SN for jimsonweed (*Datura stramonium*) control in glufosinate ammonium-tolerant crops, DACO: 10.1, 10.2, 10.2.1, 10.2.2, 10.2.3, 10.2.3.1, 10.2.3.3, 10.2.3.3(B), 10.3, 10.3.2(A), 10.3.3, 10.4, 10.5, 10.5.1, 10.5.2, and 10.5.3.

ISSN: 1911-8082

**8 Her Majesty the Queen in Right of Canada, represented by the Minister of Public Works and Government Services Canada 2016**

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 the Minister of Public Works and Government Services Canada, Ottawa, Ontario K1A 0S5.