



Evaluation Report for Category L, Subcategory 1.2 Application

Application Number: 2019-1922
Application: L.1.2: Applications subject to PPIP policy-Equivalency/Data Compensation Assessment
Product: Opportunity 15 SL Herbicide
Registration Number: 34332
Active ingredients (a.i.): Glufosinate Ammonium
PMRA Document Number : 3145973

Purpose of Application

The purpose of this application was to register for Opportunity 15 SL Herbicide.

Chemistry Assessment

Opportunity 15 SL Herbicide is formulated as a solution containing glufosinate-ammonium at a concentration of 150 g/L. This end-use product has a density of 1.085 g/cm³ and pH of 6.40. The required chemistry data for Opportunity 15 SL Herbicide have been provided, reviewed and found to be acceptable.

Health Assessments

Opportunity 15 SL Herbicide was considered toxicologically equivalent to the precedent product. Consequently, no toxicology data were submitted or are required.

The use of the end-use product Opportunity 15 SL Herbicide for use as an herbicide treatment on canola and soybean varieties or hybrids that are specially developed to be tolerant to glufosinate ammonium, glufosinate ammonium tolerant corn (only for use in separator rows for hybrid canola seed production), raspberries, alfalfa, dry common beans, apples, apricots, cherries (sweet and sour), highbush and lowbush blueberries, grapes, nectarines, pears, plums, peaches, members of crop group 14-11 tree nuts, asparagus, carrots, lettuce, onions and potatoes is not expected to result in potential occupational or bystander exposure over the registered use of glufosinate ammonium. No health risks of concern are expected when workers follow label directions and wear personal protective equipment as stated on the label.

No new residue data for glufosinate-ammonium were submitted, or are required to support the registration of Opportunity 15 SL Herbicide under the Protection of Proprietary Interest in Pesticide Data (PPIP) program.

The use directions on the Opportunity 15 SL Herbicide label, including the target crops, method, rates and timing of application, geographic restrictions, pre-harvest intervals, feeding restrictions, and crop rotation restrictions are similar within the current use pattern for this active ingredient.

The differences in the formulation components of Opportunity 15 SL Herbicide compared to the precedent end-use products are not expected to significantly impact the magnitude of glufosinate-ammonium residues in/on the labeled crops.

Based on this assessment, residues are not expected to increase and will be covered under the currently established maximum residue limits for glufosinate-ammonium (<http://pr-rp.hc-sc.gc.ca/mrl-lrm/results-eng.php>). Consequently, dietary exposure to residues of glufosinate-ammonium is not expected to increase with the registration of the new end-use product Opportunity 15 SL Herbicide and will not pose health risks of concern to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

No additional risk to the environment is expected from the registration of Opportunity 15 SL Herbicide. The use pattern for this product fits within the registered use pattern for the active ingredient. The product label presents the required buffer zones for the listed crops.

Value Assessment

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

Value information consisted of field trials conducted in Ontario in 2019 comparing side-by-side treatments of Opportunity 15 SL Herbicide and the cited precedent products. The trial data demonstrated that Opportunity 15 SL Herbicide is agronomically equivalent to the cited precedent products, in terms of efficacy and crop tolerance. Therefore, all labelled uses and claims found on the precedent product labels are supported for inclusion on the Opportunity 15 SL Herbicide label.

Conclusion

The PMRA has reviewed the information provided in support of the registration of Opportunity 15 SL Herbicide. Based on the results of this review, the registration of Opportunity 15 SL Herbicide is acceptable.

References

- 3035325 2019, Comparison of crop tolerance and weed control efficacy with two formulations of glufosinate, DACO: 10.2.3.3(B),10.3.2(A)
- 3035326 2019, Comparison of crop tolerance and weed control efficacy with two formulations of glufosinate, DACO: 10.2.3.3(B),10.3.2(A)
- 3035327 2019, Comparison of crop tolerance and weed control efficacy with two formulations of glufosinate, DACO: 10.2.3.3(B),10.3.2(A)
- 3035328 2019, Value Summary for Guerra 150 SL Herbicide, DACO: 10.1,10.2.1,10.2.2,10.2.3.1,10.2.3.3(B),10.3.1,10.4,10.5

- 2989718 2019, Additional Product Chemistry for Guerra 150 SL Herbicide, DACO: 3.1.1,3.1.3,3.1.4, 3.5.13,3.5.15,3.5.4,3.5.5

- 2989724 2019, Description of Process Formulation to Glufosinate Ammonium 150 SL Sharda, DACO: 3.1.2,3.2.1,3.2.2,3.3.1 CBI
- 2989729 2017, Glufosinate ammonium 15% SL Determination of oxidizing properties, DACO: 3.5.8
- 2989730 2015, Glufosinate ammonium 15% SL: Validation of the Analytical Method for the Determination of the Active Ingredient Content, DACO: 3.4.1
- 2989731 2017, Glufosinate ammonium 15 % SL - Analysis of active substances content and physicochemical properties of initial preparation and preparation oafter accelerated storage procedure, DACO: 3.5.1,3.5.10,3.5.11,3.5.12,3.5.14,3.5.2,3.5.3,3.5.6,3.5.7,3.5.9
- 2989732 2018, Glufosinate ammonium 15 % SL - Evaluation of stability of the product after storage
in accordance with the CropLife Technical Monograph No. 17 (6 months, 1 year, 2 years),
DACO: 3.5.10,3.5.14

© 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.