

Evaluation Report for Category B, Subcategory 3.12 Application

Application Number: 2011-5722
Application: B.3.12 (Product labels - new site or host)
Product: Ignite 15 SN Herbicide and Crop Desiccant
Registration Number: 23180
Active ingredients (a.i.): Glufosinate Ammonium (GLG)
PMRA Document Number: **2170637**

Purpose of Application

The purpose of this application was to expand the use of Ignite 15 SN Herbicide and Crop Desiccant, 150 g/L glufosinate ammonium, to include use on nectarines and apricots (Crop Group 12: Stone Fruit). There is a companion application (submission number 2011-5774) for the expansion of Ignite SN Herbicide (Registration Number 28532, guarantee: 150 g/L glufosinate ammonium) to include use on nectarines and apricots.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

A toxicology assessment was not required for this application.

An assessment was performed for individuals that may be exposed to Ignite 15 SN Herbicide and Crop Desiccant. The new use should not result in risks of concern to the active ingredient, glufosinate ammonium. No unacceptable risk is expected when workers follow the label directions and wear the personal protective equipment identified on the label.

Residue data for glufosinate ammonium on peaches were submitted to support the expansion of use of the registered end-use product Ignite 15 SN Herbicide and Crop Desiccant containing this active ingredient. Previously reviewed residue data for glufosinate ammonium on plums were also reassessed in the framework of this application. The use on nectarines and apricots is supported by the residue data on peaches and plums, respectively.

Maximum Residue Limit

Residues of glufosinate ammonium and the metabolite propanoic acid, 3-(hydroxymethylphosphinyl) will be covered by the MRL of 0.2 ppm under promulgation in/on Crop Group 12-09 (Stone Fruits).

Following the review of all available data, the use of glufosinate ammonium as a treatment to the base of nectarine and apricot trees can be supported from a food residue exposure point of view. The revision of the preharvest interval to 14 days for the treatment to the base of peach and plum trees is also acceptable. Residues of glufosinate ammonium and the metabolite propanoic acid, 3-(hydroxymethylphosphinyl) in these commodities at the established MRL will not pose an unacceptable health risk to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

An environmental assessment was not conducted because no additional environmental data were required to expand the use of Ignite 15 SN Herbicide and Crop Desiccant to include use on nectarines and apricots. Label amendments to the buffer zones are required to include field sprayer buffer zones for nectarines and apricots.

Value Assessment

A scientific rationale was submitted to support the addition of the crops nectarines and apricots, grown in eastern Canada and British Columbia, to the Ignite 15 SN Herbicide and Crop Desiccant label. The rationale was based on the herbicide mode of action and the closely related crop species that were listed on the label.

Ignite 15 SN Herbicide and Crop Desiccant is classified as a WSSA Group 10 herbicide that provided an additional mode of action for weed control when compared to other herbicide products registered for use in nectarines and apricots. Ignite 15 SN Herbicide and Crop Desiccant is a non-residual, contact herbicide with limited systemic activity and little to no absorption via roots under field conditions. Effective weed control is therefore dependent upon thorough spray coverage. Weeds not emerged at the time of application will not be controlled.

The addition of nectarines and apricots to the Ignite 15 SN Herbicide and Crop Desiccant label was considered to have value in terms of providing an additional mode of action for weed control in these crops and therefore contributed to a weed resistance management strategy.

Nectarines and apricots belong to the same genus (*Prunus*) as similar crops (i.e., peaches, plums and cherries) that were listed on the Ignite 15 SN Herbicide and Crop Desiccant label. Since no significant adverse effects to the similar crops had been reported to the registrant following application of Ignite 15 SN Herbicide and Crop Desiccant, it was reasonable to expect a similar level of crop safety for nectarines and apricots.

The PMRA concluded that the amendment to add nectarines and apricots to the Ignite 15 SN Herbicide and Crop Desiccant label had value in terms of providing an additional mode of action for weed control in these crops and therefore contributed to a weed resistance management strategy.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the available information and is able to support the use expansion of Ignite 15 SN Herbicide and Crop Desiccant to include use on nectarines and apricots

References

PMRA No.	Title
2133129	2011, Ignite 15 SN Herbicide and Crop Desiccant: Rationale for Product Use in Nectarines and Apricots, DACO: 10.1,10.2.3.1,10.2.3.3(B),10.3,10.3.1,10.3.2(A).
1896609	2009, Glufosinate: Magnitude of the residue on peach, DACO: 7.3,7.4.1.

ISSN: 1911-8082

© Her Majesty the Queen in Right of Canada, represented by the Minister of Public Works and Government Services Canada 2013

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.