

Evaluation Report for Category B, Subcategory 3.12 Application

Application Number: 2020-3493
Application: Changes to Product Labels – Site or Host
Product: Reglone Desiccant
Registration Number: 26396
Active ingredient (a.i.): Diquat
PMRA Document Number: 3222486

Purpose of Application

The purpose of this application was to amend the Reglone Desiccant label to expand the registered claims for desiccation of white and red kidney beans, adzuki beans, chickpeas, lentils, field peas, and sweet white lupins to include all crops in Crop Subgroup 6C (Dried shelled pea and bean, except soybean).

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

The occupational exposure and risk from the expansion of use on crops within Crop Subgroup 6C to the Reglone Desiccant label was assessed. No risks of concern are expected from the new uses, provided that workers follow the label directions and wear the personal protective equipment identified on the label.

No new residue data for diquat were submitted to support the use expansion to all crops within Crop Subgroup 6C on the Reglone Desiccant label. Previously reviewed residue data from field trials conducted in/on dry peas, chickpeas, lentils and dry beans were reassessed in the framework of this application. Based on this assessment, residues of diquat are not expected to be greater than those for the currently registered uses and will be covered by the established MRLs. Consequently, dietary exposure to residues of diquat is not expected to increase and will not pose health risks of concern to any segment of the population, including infants, children, adults and seniors.

A toxicology assessment was not required for this application.

Environmental Assessment

Reglone Desiccant is currently registered for desiccation of pulse crops including sweet white lupins (*Lupinus* spp.), red and white kidney beans (*Phaseolus* spp.), adzuki beans (*Vigna* spp.), chickpea, lentils, field peas (*Pisum* spp.) and broad (fava) beans and is being applied through ground and aerial applications with maximum application rate of 2.3 L/ha (552 g a.i./ha). No new environmental data were submitted and no additional environmental data are required. The proposed application methods (ground and aerial application methods) and maximum application rate [2.3 L/ha (552 g a.i./ha)] for desiccation of all crops in Crop Subgroup 6C are similar from the already registered application methods and maximum application rate for desiccation of several pulse crops. Therefore, the proposed use expansion does not require EAD to conduct an environmental risk assessment. Mitigation measures including spray buffer zone requirements are adequate.

Value Assessment

Chemical desiccation to dry down crop foliage and weeds reduces the time from maturity to threshing readiness, reduces shatter losses, and can result in improved harvest quality if the crop is harvested before being exposed to wet and cold weather. Expansion of the Reglone Desiccant label from the registered kidney bean, white sweet lupin, adzuki bean, chickpea, lentil, and field pea to include all crops in the Crop Subgroup 6C allows growers to use an already-known product as a harvest aid for the rest of crops in Crop Subgroup 6C.

Value information in the form of a scientific rationale was submitted to support the label expansion. This information indicated that the currently labelled crops well represent all crops in Crop Subgroup 6C, i.e., all crops are members of the *Fabaceae* family, share common agronomic practices, respond similarly to a desiccant/herbicide application, etc. Furthermore, the registered use pattern remains the same for all the crops in Crop Subgroup 6C.

Based on the weight of evidence, the expansion of the Reglone Desiccant label to include all crops in Crop Subgroup 6C was considered to have acceptable value.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the available information and has found it sufficient to support the amendment to the label for Reglone Desiccant to include all crops in Crop Subgroup 6C (Dried shelled pea and bean, except soybean).

References

PMRA References
Document

Number

3143691 2020, Reglone Desiccant and Reglone Ion value summary, DACO: 10.1

© Her Majesty the Queen in Right of Canada, as represented by the Minister of Health Canada, 2021

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.