



Evaluation Report for Category B, Subcategory 4.1 Application

Application Number: 2015-5871
Application: Conversion to full registration without consultation
Product: ARY 0548-019 Herbicide
Registration Number: 30580
Active ingredients (a.i.): Flucarbazone (present as flucarbazone-sodium), Fluroxypyr (present as 1-methylheptyl ester)
PMRA Document Number: 2683608

Background

ARY 0548-019 Herbicide was granted conditional registration on October 2nd, 2012, based on the need for confirmatory data for food residues and for risk to non-target organisms.

Purpose of Application

The purpose of this application was to convert ARY 0548-019 Herbicide, Reg. no. 30580 from conditional to full registration.

Chemistry and Value Assessments

No data were required or reviewed for chemistry and value.

Health Assessment

Residue data from field trials conducted in Canada were submitted to support the conversion to full registration of the domestic use of ARY 0548-019 Herbicide on wheat. Flucarbazone and fluroxypyr were applied to wheat at the registered rate, and harvested according to label directions. The trials were bridging studies to confirm that the presence of the safener, cloquintocet-mexyl, has no significant impact on residues of flucarbazone and fluroxypyr on wheat from the use of this product. Dietary exposure to residues of flucarbazone, fluroxypyr, and cloquintocet-mexyl in/on wheat will not pose health risks of concern to any segment of the population, including infants, children, and seniors.

Environmental Assessments

The use of the safener, cloquintocet-mexyl, in the co-formulation ARY 0548-019 Herbicide for control of grass and broadleaf weeds on spring wheat and durum wheat is not expected to increase the risk to non-target terrestrial and aquatic plants provided that the mitigation label statements are followed. ARY 0548-019 i Herbicide is not expected to pose risks of concern to the environment when used according to label statements.

Conclusion

The Pest Management Regulatory Agency is able to support the conversion to full registration for ARY 0548-019 Herbicide.

References

PMRA #	Reference
2585093	Flucarbazone/Fluroxypyr SU, Flucarbazone SC and Fluroxypyr EC - Magnitude of the Residues in or on Wheat Canada 2014. DACO 7.2.1,7.3,7.4.1
2579388	2015, Flucarbazone/Fluroxypyr/Cloquintocet-Mexyl SC (ARY 0548-019) - A 7-Day Static-Renewal Toxicity Test with Duckweed (<i>Lemna gibba</i> G3), DACO: 9.8.5
2579389	2015, Flucarbazone/Fluroxypyr/Cloquintocet-Mexyl SC (ARY 0548-019) - A 96-Hour Toxicity Test with the Freshwater Diatom (<i>Navicula pelliculosa</i>), DACO: 9.8.2
2579390	2015, Flucarbazone/Fluroxypyr/Cloquintocet-mexyl SC (ARY 0548-019) - Toxicity Effects on the Seedling Emergence of Three Species of Plants, DACO: 9.8.4,9.8.6
2579391	2015, Flucarbazone/Fluroxypyr/Cloquintocet-mexyl SC (ARY 0548-019) - Toxicity Effects on the Vegetative Vigor of Three Species of Plants, DACO: 9.8.4,9.8.6

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.