



Evaluation Report for Category B, Subcategory 3.10 Application

Application Number: 2009-0427
Application: B.3.10 - Add Tankmixes
Product: Kantoral
Registration Number: 29157
Active ingredients (a.i.): Triglyceride Ethoxylate 10 Poe (TXR)
PMRA Document Number English PDF: 2013798

Purpose of Application

The purpose of this application was to amend the registration of Kantoral to include use at with:

- Horizon 240 EC Herbicide (active ingredient: clodinafop-propargyl, Reg. No. 24076),
- Everest 70 Water Dispersible Granular Herbicide (active ingredient: flucarbazone, Reg. No. 26447),
- Everest Solupak 70 DF (active ingredient: flucarbazone, Reg. No. 26448) and
- Axial 100EC Herbicide (active ingredient: pinoxaden, Reg. No. 28642)

for control of labelled weeds.

Chemistry Assessment

Chemistry assessment was not required for this application.

Health Assessment

New residue data for triglyceride ethoxylate were not submitted to support the addition of the tank-mixes Horizon 240EC Herbicide, Everest 70 WDG Herbicide, Everest Solupak 70 DF Herbicide and Axial 100EC Herbicide to the Kantoral label. Previously reviewed residue data from field trials conducted in/on wheat with clodinafop-propargyl, flucarbazone-sodium and pinoxaden were assessed. When mixed with herbicides, Kantoral reduces the surface tension of the herbicide solution on the treated plant leaf. It is unlikely that the use of Kantoral will lead to increased residues of the active ingredients used in/on targeted crops. As such, there is no expectation of an increase in residues or in dietary exposure to clodinafop-propargyl, flucarbazone-sodium or pinoxaden resulting from the tank-mixing of these products with Kantoral.

Environmental Assessment

Kantoral is an adjuvant and does not have pesticidal properties. Triglyceride ethoxylate 10 POE is not considered hazardous to the environment and is not expected to persist once applied. The tank mixes of Kantoral with Horizon 240EC Herbicide, Everest 70 WDG Herbicide, Everest Solupak 70 DF Herbicide and Axial 100EC Herbicide are not expected to result in increased risk to the environment.

Value Assessment

Efficacy, crop injury and crop yield data were submitted from six replicated field trials conducted in 2008 in Manitoba and Alberta. The level of control observed for wild oat, green foxtail, redroot pigweed, wild mustard, volunteer canola, and lamb's-quarters following application of herbicides with 0.25% v/v Kantoral was similar to that following application of the same herbicides with the registered rate of a labelled adjuvant, specifically 0.25% v/v Agral 90 with Everest 70WDG, 0.8% v/v Score adjuvant with Horizon 240EC, and 700 ml/ha Adigor adjuvant with Axial 100EC Herbicide.

Furthermore, the level of crop injury observed to cereal crops following application of each of these herbicides with 0.25% v/v Kantoral was similar to that following application of the same herbicides with the registered rate of a labelled adjuvant. The observed similar tolerance was corroborated by crop yield data.

As Horizon 240EC Herbicide is only available as a tank mixture with Score adjuvant, Horizon 240EC is not acceptable for use with Kantoral.

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Kantoral to include its application at 0.25% v/v with Everest 70 Water Dispersible Granular Herbicide, Everest Solupak 70 DF Herbicide and Axial 100EC Herbicide.

References

- 1716052 2008, Norac Surfactant Comparison, DACO: 10.2.3.3,10.3.2
- 1716053 2008, Norac Surfactant Comparison, DACO: 10.2.3.3,10.3.2
- 1716054 2008, Norac Surfactant Comparison, DACO: 10.2.3.3,10.3.2
- 1716055 2008, Norac Surfactant Comparison on Wheat, DACO: 10.2.3.3,10.3.2
- 1716056 2008, Norac Surfactant Comparison on Durum, DACO: 10.2.3.3,10.3.2
- 1716058 2008, Norac Surfactant Comparison on Barley, DACO: 10.2.3.3,10.3.2

ISSN: 1911-8082

© Her Majesty the Queen in Right of Canada, represented by the Minister of Public Works and Government Services Canada 2011

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.