

Everest 2.0 Herbicide

Evaluation Report for Category B Streamlined, Subcategory 3.11 Application

Application Number: 2014-5635
Application: Category B, Subcategory 3.11 Application (new or changes to product labels – new pests)
Product: Everest 2.0 Herbicide
Registration Number: 30342
Active ingredients (a.i.): flucarbazone [FLS]
PMRA Document Number : 2528148

Background

Everest 2.0 Herbicide (Reg. No. 30342) was first registered in November of 2011. Everest 2.0 Herbicide contains 397.33g/L flucarbazone present as a sodium salt (Group 2 Herbicide) and is labelled for post-emergent control of grassy and broadleaf weeds in wheat (spring, durum and winter) grown in the Prairie provinces and Peace River region of British Columbia. For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the product label.

Purpose of Application

Arysta LifeScience North America has applied to amend the registration of Everest 2.0 Herbicide to include a new control claim for Japanese brome using the 60 ml/ha and 72 ml/ha rates of Everest 2.0 Herbicide.

Chemistry, Health and Environmental Assessments

A chemistry assessment was not required since there was no change to product chemistry. Health and Environmental assessments were not required since the use pattern, including host crops, application rates and timings of the component products remain unchanged.

Value Assessment

Japanese brome is an annual or winter annual cool season grass that reproduces through seed production. Seeds can germinate in the fall, overwinter as a small seedling and begin to grow in the spring, establishing quickly and using resources that would normally be available for crops. The Japanese brome population is expanding in the south-western prairies especially in the winter wheat growing regions becoming more prevalent as its growth habit matches that of winter wheat. Although alternative products are available that have activity against Japanese brome growing in wheat, various limitations exist including the level of control that can be achieved for Japanese brome, the type of wheat that can be treated (i.e., herbicide tolerant varieties only) and/or the growth stage of the wheat when it can be treated (i.e., wheat must be at

a more advanced growth stage). The inclusion of a control claim for Japanese brome on the Everest 2.0 Herbicide label will address many of these limitations.

Data were provided from a total of nine small-scale field trials conducted in western Canada (Prairie region) and the USA (Kansas). Furthermore, use history information was provided from two growers who farm in western Canada. Based on all available information, control of Japanese brome would be expected when Everest 2.0 Herbicide is applied as per label directions. Accordingly, an amendment to the registration of Everest 2.0 Herbicide to include a control claim for Japanese brome can be supported from a value perspective.

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Everest 2.0 Herbicide by including a control claim for Japanese brome using the 60 ml/ha and 72 ml/ha rates of Everest 2.0 Herbicide in wheat (spring, durum and winter) grown in the Prairie provinces and Peace River region of British Columbia.

References

PMRA Doc Number	Reference
2479011	2012, JAPANESE BROME CONTROL IN WINTER WHEAT, DACO: 10.2.3.3(B)
2479012	2013, JAPANESE BROME CONTROL IN WINTER WHEAT, DACO: 10.2.3.3(B)
2479013	2011, THE INTERACTION OF HERBICIDE SELECTION AND TIMING OF APPLICATION ON SUPPRESSION, DACO: 10.2.3.3(B)
2479014	2011, Everest 2.0 Efficacy on Hard to Kill Grasses, DACO: 10.2.3.3(B)
2479015	2012, JAPANESE BROME CONTROL IN WINTER WHEAT, DACO: 10.2.3.3(B)
2479016	2013, Everest 2.0 Efficacy on Hard to Kill Grasses tankmixed with Tribenuron, DACO: 10.2.3.3(B)
2479017	2002, Bayer Ag Data, DACO: 10.2.3.3(B)
2479018	2013, Tribenuron Rate with Everest 2.0 for Grass Weed Control, DACO: 10.2.3.3(B)
2479019	2013, JAPANESE BROME CONTROL IN WINTER WHEAT, DACO: 10.2.3.3(B)
2479020	2014, Everest 2.0 History of Use <i>iii</i> Japanese Brome, DACO: 10.2.4
2479021	2014, Everest 2.0 History of Use <i>iii</i> Japanese Brome, DACO: 10.2.4
2479022	2014, VALUE SUMMARY TO SUPPORT THE REGISTRATION OF EVEREST 2.0 HERBICIDE FOR CONTROL OF JAPANESE BROME IN WHEAT, DACO: 10.1, 10.2.1, 10.2.2, 10.2.3.1, 10.2.3.3(B), 10.2.4, 10.3, 10.3.2(A), 10.5.1

ISSN: 1911-8082

© Her Majesty the Queen in Right of Canada, represented by the Minister of Public Works and Government Services
Canada 2015

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.