

Evaluation Report for Category B, Subcategory 3.5 Application

Application Number: 2011-0572
Application: New end-use product chemistry: formulation type, identity and proportion of formulants.
Product: Assert 300 SC Herbicide
Registration Number: 21032
Active ingredients (a.i.): Imazamethabenz-methyl [ASS]
PMRA Document Number: **2297918**

Background

Assert 300 SC Herbicide has been registered since May 15, 1989. Assert 300 SC Herbicide is registered for use in the Prairie provinces, and in the Peace River, Okanagan valley and Creston flats regions of British Columbia. It is a post-emergence herbicide that may be applied to spring wheat, durum wheat, spring barley and annual ryegrass grown for seed for control of wild oats, wild mustard and stinkweed, and partial control of wild buckwheat, Tartary buckwheat and volunteer canola (except imazethapyr tolerant varieties). In wheat and barley, Assert 300 SC Herbicide may be applied in one of several tank mixtures for control of additional weeds. In the Prairie provinces only, Assert 300 SC Herbicide may be applied to sunflowers that are not under drought stress for control of wild mustard and stinkweed. Follow crop options are affected by soil zone and whether other soil residual herbicides, particularly those belonging to the imidazolinone or sulfonyleurea chemistries, were also applied in the year before and/or in the year of Assert 300 SC Herbicide application.

Purpose of Application

The purpose of this application was to amend the registration of Assert 300 SC Herbicide, containing 300 g a.i./L imazamethabenz-methyl, to include a tank mix with Estaprop XT Liquid Herbicide (Registration Number 29966) and to include revised labelling pertaining to rotational crop selection on fields previously treated with both Assert 300 SC Herbicide and other soil residual herbicides.

Chemistry Assessment

A chemistry assessment of Assert 300 SC Herbicide was not required for this application.

Health Assessments

A toxicology or occupational assessment was not required for this application.

Previously reviewed food residue chemistry data were considered in the context of the current application. Dietary exposure to residues of imazamethabenz-methyl ester is not expected to change for any population subgroup.

Environmental Assessment

An environmental assessment of Assert 300 SC Herbicide was not required for this application.

Value Assessment

The tank mix of Estaprop XT Liquid Herbicide with Assert 300 SC Herbicide is registered and included on the label of Estaprop XT Liquid Herbicide. Therefore, it was included on the label of Assert 300 SC Herbicide. The rotational crop section of the label was updated to advise the user that rotational cropping options in the year following Assert 300 SC Herbicide application may be affected in situations of below average rainfall and where residual herbicides had also been applied in the year preceding and/or in the year of Assert 300 SC Herbicide application.

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Assert 300 SC Herbicide to include the option of tank mixing with Estaprop XT Liquid Herbicide and to include revised recommendations with respect to rotational crop selection.

References

- 2007276 2011, A Rationale to Support Label Statements Clearly Defining Follow Crop Parameters for imazamethabenz, DACO: 10.1

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.