

Aim EC Herbicide Evaluation Report for Category B Streamlined, Subcategory 3.10, 3.11 Application

Application Number: 2018-7019
Application: Category B, Subcategory 3.10, 3.11 Application (new or changes to product labels – tank mixes, new pests)
Product: Aim EC Herbicide
Registration Number: Reg. No. 28573
Active ingredient (a.i.): carfentrazone-ethyl [CAE]
PMRA Document Number: 3004016

Background

Aim EC Herbicide contains 240 g ai/L carfentrazone-ethyl and is registered for selective post-emergence control of broadleaf weeds in a number of labelled crops using hooded sprayer applications, weed burndown prior to planting a variety of labelled crops, weed control in fallow systems and the defoliation/desiccation of labelled crops as a harvest aid. For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the product label.

Purpose of Application

The purpose of this application was to amend the registration of Aim EC Herbicide to include

1. a control claim for black nightshade up to 5 cm when applied at 36.5 mL/ha (8.8 g ai/ha);
2. a control claim for black nightshade (no height restriction) when applied at 73 mL/ha (17.5 g ai/ha);
3. removing the listing of specific glyphosate products to allow tank mixing of Aim EC Herbicide with glyphosate products registered for the same use;
4. updating weeds controlled with the following 2-way tank mixes; Aim EC Herbicide plus glyphosate, 2,4-D ester or Pyroxasulfone 85WG according to registered weed claims on the tank mix partner's label.

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

Use history information from the US, a scientific rationale and the Canadian registered use pattern of Aim EC Herbicide were provided to support the inclusion of black nightshade on the label. Based on the weight of evidence, black nightshade would be expected to be controlled with an alone application of Aim EC Herbicide when applied in accordance with label directions.

Scientific rationales and precedent product registrations supported the updated weed list claims for three 2-way tank mixes (Aim EC Herbicide + glyphosate or 2,4-D ester or Pyroxasulfone 85WG) as well as supported generic 'glyphosate' to be labelled as a tank mix partner instead of specific glyphosate products. Broadening the target weed spectrums when Aim EC Herbicide is tank mixed with glyphosate, 2,4-D ester or Pyroxasulfone 85WG, allows growers flexibility in weed control options. Additionally, tank mixing products may decrease the likelihood of resistance development in certain weed species that are controlled by both modes of action in the mixture.

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Aim EC Herbicide to include the requested efficacy claims.

References

PMRA Doc Number	Reference
2948762	2018, AIM EC HERBICIDE (PCP No. 28573): Value Summary to Support Minor Label Changes, DACO: 10.1
2834715	2017, Credible Use History - AIM EC Herbicide, DACO: 10.2.4

ISSN: 1911-8082

© Her Majesty the Queen in Right of Canada, represented by the Minister of Public Works and Government Services
Canada 2019

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.