

Evaluation Report for Category B, Subcategory 3.10, 3.11 and 3.12 Application

Application Number: 2009-4383
Application: Changes to Product Labels: Tank Mixes, Pests and Site/Host.
Product: Puma Advance Herbicide
Registration Number: 29488
Active ingredients (a.i.): Fenoxypop-p-ethyl
PMRA Document Number : 2465385

Purpose of Application

The purpose of this application is to amend the label of Puma Advance Herbicide to 1) add a new host/site in spring barley; 2) add new tank-mix partners in spring wheat and barley, and; 3) add control of new pests in eastern Canada for spring wheat.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

The proposed use of Puma Advance Herbicide should not result in unacceptable exposure to the active ingredient, fenoxaprop-p-ethyl. No unacceptable risk is expected when workers follow the label directions and wear the personal protective equipment identified on the label.

Residue data for fenoxaprop-p-ethyl were not submitted to support the addition of barley and tank-mixes to the Puma Advance label to be used in Eastern Canada. Previously reviewed residue data from field trials conducted in/on barley and processing conducted in/on wheat with fenoxaprop-p-ethyl were assessed. The proposed use in or on barley in Eastern Canada will not increase the dietary exposure to fenoxaprop-p-ethyl and will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

The use of the tank mix partner Infinity Herbicide (PCP# 28738; a.i. pyrasulfotole and bromoxynil) and of all the other proposed tank mix partners (Buctril M, Refine Extra, MCPA Amine 500, MCPA Ester 500, and Refine Extra + MCPA Ester 500) falls within the registered use pattern for these products; therefore, there is no increase in dietary exposure anticipated to any of the active ingredients resulting from these uses.

Environmental Assessment

As there is no increase in application rate and the environmental precautions for tank mixtures are addressed by appropriate mitigative statements, there is no additional risk associated with the proposed uses and tank mixtures for Puma Advance Herbicide.

Value Assessment

The amendments are supported under the associated application number for Puma¹²⁰ Super (Registration Number 25864). Puma¹²⁰ Super was used as the precedent product when Puma Advance Herbicide was first registered (application number 2007-8429). The agronomic equivalency of Puma¹²⁰ Super applied alone or in combination with other tankmix partners to Puma Advance was established. As such, the amendments to the registration of Puma Advance to include these uses can also be supported.

Conclusion

Following the assessment of all available data, the PMRA is able to support the amendments to the label of Puma Advanced Herbicide.

References

- PMRA # 1814402: Puma¹²⁰ Super Emulsifiable Concentrate Post-emergent Herbicide: Rationale for use in spring barley grown in eastern Canada, alone and in a tank mixture with Infinity Herbicide. Authored by Ian Armour. Bayer CropScience Inc. DACO. 10.1, 10.2.3.3, 10.3.1, and 10.3.2. October 15, 2009. pp. 4.
- PMRA # 1834170: Puma¹²⁰ Super Emulsifiable Concentrate Post-emergent Herbicide: Rationale for use in spring barley grown in eastern Canada when applied in tank mixture with Buctril M, Refine Extra, MCPA Amine 500 or Ester 500, and Refine Extra + MCPA Ester 500. Authored by Ian Armour. Bayer CropScience Inc. DACO. 10.1, 10.2.2, 10.2.3.1, 10.2.3.3, 10.3.1, and 10.3.2. December 1, 2009. pp. 4.

ISSN: 1911-8082

**8 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.