

Evaluation Report for Category B, Subcategory 3.1 and 3.9 Application

Application Number: 2015-6914
Application: Change in application rate and level of control
Product: Paradigm Herbicide
Registration Number: 31304
Active ingredients (a.i.): halauxifen and florasulam
PMRA Document Number : 2644977

Background

Paradigm Herbicide was first registered June 17, 2014. Paradigm Herbicide, containing 20% each of halauxifen and florasulam, is registered for use in the Prairie provinces and the Peace River region of British Columbia for post-emergence application by ground sprayer equipment at the rate of 25 g product/ha (5 g a.e./ha of each active ingredient) in combination with a surfactant. Among the several labelled tank mixtures is one in which Paradigm at 25 g/ha plus glyphosate at 450 g a.e./ha, such as 0.94 L/ha VP480 Herbicide or Maverick III Herbicide, is applied prior to planting spring wheat, including durum wheat, winter wheat, and spring barley for the control or suppression of listed weeds within the labelled weed developmental stages. This tank mixture is also labelled for use as an initial treatment in summerfallow. 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 expand the registration of Paradigm Herbicide to include a variation of the tank mixture with glyphosate at the same rate of 450 g a.e./ha plus a reduced rate (18.75 g/ha) of Paradigm Herbicide for application in spring prior to planting spring wheat, including durum, and spring barley for the control or suppression of most weeds listed for the tank mixture with the full rate of Paradigm Herbicide.

Chemistry Assessment

A chemistry assessment was not required as there was no change to the product formulation.

Health and Environmental Assessment

Health and environmental assessments were not required as there was no change to the use pattern, including host crops, application methods, timings and rates, except for the requested tank mix with glyphosate that included a reduced rate of Paradigm Herbicide.

Value Assessment

Application of a tank mixture of a reduced rate of Paradigm Herbicide plus glyphosate prior to planting spring wheat, including durum, and spring barley, will lower the cost to the grower as well as reduce the application rate of two of three of the active ingredients. The reduced rate of Paradigm Herbicide in the tank mixture with glyphosate will not impact the range of post-emergence herbicide options available to the grower.

The basis of support for each of the efficacy claims consisted of one or more of 1) claims that are registered for glyphosate applied alone at up to 450 g a.e./ha (e.g., 0.94 L/ha Maverick III Herbicide or VP480 Herbicide), 2) claims that are registered for GF-2685 Herbicide, containing 10% halauxifen, applied alone at 25 g/ha (2.5 g a.i./ha), and 3) small-scale field trial data in which application of the tank mixture was demonstrated to provide control of volunteer canola, shepherd's-purse, flixweed, cleavers, common chickweed, stinkweed, and dandelion.

Conclusion

The PMRA has conducted an assessment of the subject application and has determined that the submitted information is adequate to support the application of a tank mixture of Paradigm Herbicide at the reduced rate of 18.75 g/ha (7.5 g a.e./ha) plus a glyphosate product at 450 g a.e./ha prior to planting spring wheat, including durum wheat, and spring barley for control of several broadleaved and grass weeds.

References

List of Studies/Information Submitted by Registrant

Value Assessment

2593007	2015, Paradigm Preplant Reduced Rate Trial Report (10), DACO: 10.2.3.3
---------	--

ISSN: 1911-8082

8 Her Majesty the Queen in Right of Canada, represented by the Minister of Public Works and Government Services Canada 2016

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.