

Evaluation Report for Category B, Subcategory 3.5 Application

Application Number: 2012-0302
Application: B.3.5 (Product labels - rotational crops/plant back intervals)
Product: Heat WG
Registration Number: 29368
Active ingredients (a.i.): Saflufenacil (SFF)
PMRA Document Number : 2171524

Purpose of Application

The purpose of this application was to amend the registration of Heat WG herbicide to include canola, flax, lentils, and mustard as rotational crops that can be planted in the following spring after a fall application (desiccation) and also to replace specific crops with a general term of “all crops” that can be planted in the second spring after a fall application (desiccation).

Chemistry and Environmental Assessments

Chemistry and environmental assessments were not required for this application.

Health Assessments

Toxicology and occupational exposure reviews were not required for this application.

No new food residue chemistry data were submitted for saflufenacil to support revision of the recropping recommendations and label improvements on the Heat WG label. Previously reviewed residue data were considered in the context of the current submission. Based on this assessment, the dietary exposure to saflufenacil is not expected to increase and will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

Value Assessment

Rotational crop tolerance to application of Heat WG at the labeled 1x maximum rate of 50 g a.i./ha and the exaggerated 2x rate of 100 g a.i./ha in tank mix with glyphosate herbicide at up to 900 g a.e./ha in the previous fall was assessed for canola (4 trials) and flax (2 trials). Minor or no crop injury was observed for these treatments. Yield data collected from all trials further confirmed that canola and flax grown as rotational crops in the following spring can be expected to exhibit an adequate margin of crop safety to the fall application of Heat WG in tank mix with glyphosate herbicide as a harvest aid.

A scientific rationale was submitted in lieu of data to support rotational crop claims for lentils and mustard that can be planted in the following spring after a fall application of Heat WG in tank mix with glyphosate. The rationale has been reviewed and is considered to be acceptable.

In addition to data and rationales, this value assessment considered the environmental chemistry and fate data review (refer to PRD2009-18) and the current registration of saflufenacil in the US, the replacement of specific crops with a general term of “all crops” that can be planted in the second spring after a fall application of Heat WG at up to 50 g a.i./ha in tank mix with glyphosate herbicide at up to 900 g a.e./ha is supported.

Conclusion

The PMRA has completed an assessment of the available information and is able to support amendment of the registration of Heat WG herbicide to include canola, flax, lentils, and mustard as rotational crops that can be planted in the following spring after a fall application (desiccation) and also to replace specific crops with a general term of “all crops” that can be planted in the second spring after a fall application (desiccation).

References

PMRA # 2150854: Petition for the addition of canola, flax, lentil, and mustard as rotational crops in the spring following a fall application of Heat WG. Prepared by BASF Canada Inc on January 19, 2012. DACO 10.3.3. pp 87.

© His Majesty the King in Right of Canada, as represented by the Minister of Health Canada, 2023

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 Health Canada, Ottawa, Ontario K1A 0K9.