

Evaluation Report for Category B, Subcategory 3.2 Application

Application Number: 2020-5251
Application: Change to End-Use Product Label – Application Timing
Product: Edge Granular Herbicide
Registration Number: 20980
Active ingredient (a.i.): Ethalfluralin
PMRA Document Number: 3325701

Purpose of Application

The purpose of this application was to amend the label of Edge Granular Herbicide to add a spring application timing for direct seeding systems for lentils to control and suppress labelled weeds.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

A toxicological assessment was not required for this application.

The addition of a spring timing of application for lentils on the label of Edge Granular Herbicide represents an expansion of the use pattern for the active ingredient ethalfluralin. Updated non-cancer and cancer quantitative risk assessments for mixers, loaders and applicators were not required since the most recent risk assessments on file were conducted with input parameters applicable to the exposure scenario. Postapplication worker exposure and bystander exposure are expected to be negligible due to the application timing and method (i.e., a preplant incorporated or direct-seeding application of a granular product). Therefore, no health risks of concern were identified and the use can be supported from an occupational exposure perspective, provided that workers wear the appropriate personal protective equipment and follow all label directions.

No new residue data for ethalfluralin were submitted to support the addition of the new spring preplant application to fields of lentils. Previously reviewed residue data from field trials conducted in/on dry peas, dry beans and dry lentils were re-assessed in the framework of this application and were deemed acceptable. The currently established MRL of 0.05 ppm for residues of ethalfluralin in/on dry lentils is adequate to cover the new application timing and no health risks of concern were identified for acute, chronic or cancer dietary exposure (food and drinking water) to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

No additional environmental risk is expected from the spring application of Edge Granular Herbicide to lentils. The label includes all the required environmental precautions and directions for use statements, which adequately mitigate risks to the environment.

Value Assessment

The amendment to the registration of Edge Granular Herbicide to include a spring application timing on lentils in direct seeding systems provides users more flexibility to employ this product for control of volunteer cereals, annual grasses, and broadleaf weeds in this crop.

Value information submitted for review consisted of a scientific rationale and data from replicated field trials. This information demonstrated that lentils exhibited an adequate margin of tolerance to a spring application of Edge Granular Herbicide in direct seeding systems when used as per the label instructions.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to support the amendment of the label of Edge Granular Herbicide to add a spring application timing for direct seeding systems for lentils to control and suppress labelled weeds.

References

PMRA Document Number	Reference
3172972	2020, Ethalfluralin Value - Trial report, DACO: 10.1, 10.2, 10.2.3, 10.2.3.4, and 10.2.3.4(B).
3172973	2020, Ethalfluralin Value - Trial report, DACO: 10.1, 10.2, 10.2.3, 10.2.3.4, and 10.2.3.4(B).
3172974	2020, Ethalfluralin Value - Trial report, DACO: 10.1, 10.2, 10.2.3, 10.2.3.4, and 10.2.3.4(B).
3172975	2020, Ethalfluralin Value - Trial report, DACO: 10.1, 10.2, 10.2.3, 10.2.3.4, and 10.2.3.4(B).
3172976	2020, Ethalfluralin Value - Trial report, DACO: 10.1, 10.2, 10.2.3, 10.2.3.4, and 10.2.3.4(B).
3172977	2020, Ethalfluralin Value - Trial report, DACO: 10.1, 10.2, 10.2.3, 10.2.3.4, and 10.2.3.4(B).
3172978	2020, Ethalfluralin Value - Trial report, DACO: 10.1, 10.2, 10.2.3, 10.2.3.4, and 10.2.3.4(B).
3172979	2020, Ethalfluralin Value - Trial report, DACO: 10.1, 10.2, 10.2.3, 10.2.3.4, and 10.2.3.4(B).
3172980	2020, Ethalfluralin Value - Trial report, DACO: 10.1, 10.2, 10.2.3, 10.2.3.4, and 10.2.3.4(B).
3172981	2020, Ethalfluralin Value - Trial report, DACO: 10.1, 10.2, 10.2.3, 10.2.3.4, and 10.2.3.4(B).
3172982	2020, Ethalfluralin Value - Trial report, DACO: 10.1, 10.2, 10.2.3, 10.2.3.4, and 10.2.3.4(B).
3172983	2020, Ethalfluralin Value - Trial report, DACO: 10.1, 10.2, 10.2.3, 10.2.3.4, and 10.2.3.4(B).
3172984	2020, Ethalfluralin Value - Trial report, DACO: 10.1, 10.2, 10.2.3, 10.2.3.4, and 10.2.3.4(B).
3172985	2020, Ethalfluralin Value - Trial report, DACO: 10.1, 10.2, 10.2.3, 10.2.3.4, and 10.2.3.4(B).
3172986	2020, Ethalfluralin Value - Trial report, DACO: 10.1, 10.2, 10.2.3, 10.2.3.4, and 10.2.3.4(B).
3172987	2020, Ethalfluralin Value - Trial report, DACO: 10.1, 10.2, 10.2.3, 10.2.3.4, and 10.2.3.4(B).
3172988	2020, Ethalfluralin Value - Trial report, DACO: 10.1, 10.2, 10.2.3, 10.2.3.4, and 10.2.3.4(B).
3172989	2020, Ethalfluralin Value - Trial report, DACO: 10.1, 10.2, 10.2.3, 10.2.3.4, and 10.2.3.4(B).
3172990	2020, Ethalfluralin Value - Trial report, DACO: 10.1, 10.2, 10.2.3, 10.2.3.4, and 10.2.3.4(B).

- 3172991 2020, Ethalfluralin Value - Trial report, DACO: 10.1, 10.2, 10.2.3, 10.2.3.4, and 10.2.3.4(B).
- 3172993 2020, Ethalfluralin Value - Trial report, DACO: 10.1, 10.2, 10.2.3, 10.2.3.4, and 10.2.3.4(B).
- 3172994 2020, Ethalfluralin Value - Trial report, DACO: 10.1, 10.2, 10.2.3, 10.2.3.4, and 10.2.3.4(B).

© Her Majesty the Queen in Right of Canada, as represented by the Minister of Health Canada, 2022

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.