

Evaluation Report for Category B, Subcategory 3.1, 3.11 Application

Application Number: 2016-5851
Application: Changes to product label; new pest, rate changes
Product: Enlist Duo Herbicide
Registration Number: 30958
Active ingredients (a.i.): 2,4-D present as choline salt and glyphosate present as dimethylamine salt
PMRA Document Number: 2729678

Purpose of Application

Enlist Duo Herbicide (containing 194 g a.e./L 2,4-D present as choline salt and 204 g a.e./L glyphosate present as dimethylamine salt) is registered for control of emerged annual and perennial weeds.

The purpose of this application was to amend the registration of Enlist Duo Herbicide to include control of red clover control when applied in the fall, prior to seeding winter and spring varieties of small grain cereals and field corn.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

Toxicological and occupational exposure assessments were not required for this application.

Additional residue data were not required for the active ingredients glyphosate and 2,4-D to support the amendment to include control of red clover with a fall application prior to seeding in winter and spring varieties of small grain cereals and field corn at an increased application rate of 4.3 L/ha (equivalent to [834.2 g a.e. 2,4-D + 877.2 g a.e. glyphosate]/ha). The previous registered maximum application rate was 3.3 L/ha (equivalent to [640 g a.e. 2,4-D + 673 g a.e. glyphosate]/ha). The maximum residue limits (MRLs) currently established for residues of glyphosate and 2,4-D and the default MRL of 0.1 ppm where no specific MRL has been established, are considered adequate to cover the expected residue levels. Dietary exposure to glyphosate and 2,4-D is not expected to increase and will not pose an unacceptable health risk to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

An environmental assessment was not required for this application.

Value Assessment

Red clover is often underseeded in cereal crops for optimum nutrient management, erosion control, improved water holding capacity, etc. Therefore, it is imperative to have an adequate control of red clover for the crops planted in the following year.

Value information from field trials conducted in Ontario in 2014 and 2015 demonstrated that a fall application of Enlist Duo Herbicide at 4.3 L/ha provided acceptable control of red clover.

Crop tolerance is not of concern when applied as per label instructions given that glyphosate has minimal soil activity and 2,4-D, a broadleaf herbicide, is registered for pre-seeding and after seeding but prior to crop emergence application in small grain cereals and field corn.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to amend the label of Enlist Duo Herbicide to include fall application at a rate of 4.3 L/ha to control red clover prior to seeding winter and spring varieties of small grain cereals and field corn.

References

PMRA

Document

Number	Reference
2684142	2016, 3 small scale efficacy trials, control of red clover with Enlist Duo, DACO: 10.2.3.3

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