



Evaluation Report for Category B, Subcategory 3.11 Application

Application Number: 2015-0912
Application: New Pest
Product: Destra™ 75 DF Herbicide
Registration Number: 31613
Active ingredients (a.i.): rimsulfuron, nicosulfuron
PMRA Document Number : 2551047

Background

Destra 75 DF Herbicide, a wettable granule formulation, was first registered on December 9, 2014. It is registered for post-emergence use on field corn in eastern Canada at 33.3 g/ha (25 g a.i./ha) for the control or suppression of certain grass and broadleaved weeds. 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 Destra 75 DF Herbicide to include a claim of control of volunteer canola, including volunteer glyphosate-tolerant canola, when applied at the labelled rate of 33.3 g/ha (25 g a.i./ha or 12.5 g/ha of each of rimsulfuron and nicosulfuron) in combination with 0.2 or 0.25% v/v of a recommended non-ionic surfactant and when applied either pre-emergence or post-emergence to field corn when volunteer canola is at the cotyledon to 5-leaf stage.

Chemistry Assessment

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

Health and Environmental Assessments

Health and environmental assessments were not required as there was no change to the use pattern, including host crops, application methods, timings and rate.

Value Assessment

Value information in the form of efficacy data generated in four field trials in 2014 across

western Canada was submitted under Sub. No. 2015-0902. The rimsulfuron product tested in these trials was Elim 25 SG Herbicide, containing 25% rimsulfuron. Glyphosate-tolerant canola treated at the cotyledon to 5-leaf stage was consistently controlled by an application of 7.5 g a.i./ha Elim 25 SG Herbicide plus 0.2% v/v Agral 90 adjuvant. As the efficacy of Elim 25 SG Herbicide applied at 7.5 g a.i./ha for the control of volunteer glyphosate-tolerant volunteer canola was demonstrated, then it can be expected that Destra 75 DF Herbicide applied at its labelled rate of 25 g a.i./ha, equivalent to 12.5 g/ha rimsulfuron, in combination with a labelled non-ionic surfactant, would also control glyphosate-tolerant volunteer canola. Destra 75 DF Herbicide would similarly be expected to control non herbicide tolerant volunteer canola. As Destra 75 DF Herbicide is registered for post-emergence application only, only post-emergence use is supported.

Due to seed shattering of canola pods, a considerable quantity of canola seed can remain in the field, becoming volunteer weeds in the crop that follows, including in field corn. The expansion of the Destra 75 DF Herbicide label to include a claim of control of volunteer canola, including glyphosate-tolerant volunteer canola, will provide growers an additional option to control this weed, which is very competitive with corn, especially prior to crop canopy closure.

Conclusion

The PMRA has completed an evaluation of the subject application and has found the submitted information adequate to support the post-emergence use of Destra 75 DF Herbicide in field corn at the labelled rate of 25 g a.i./ha with 0.2 or 0.25% v/v of a labelled non-ionic surfactant for the control of volunteer canola, including glyphosate-tolerant volunteer canola, when treated at the cotyledon to 5-leaf stage of development.

References

List of Studies/Information Submitted by Registrant

Value Assessment

2508933	2015, CONTROL OF VOLUNTEER GLYPHOSATE TOLERANT CANOLA WITH RIMSULFURON, DACO: 10.1,10.2,10.2.1,10.2.2,10.2.3,10.2.3.1,10.2.3.2(B),10.2.3.3,10.2.3.3(B),10.2.3.4,10.2.3.4(B),10.2.4,10.3,10.3.1,10.3.2,10.3.2(A),10.3.3,10.4,10.5.3
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