

Evaluation Report for Category B, Subcategory 3.11 Application

Application Number: 2015-0904
Application: New Pest
Product: Engarde™ 25 SG Herbicide
Registration Number: 31142
Active ingredients (a.i.): rimsulfuron
PMRA Document Number : 2550994

Background

Engarde 25 SG Herbicide, a soluble granule formulation, was first registered on October 7, 2013. It is registered for pre-emergence and post-emergence use in field corn in eastern Canada at 15 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 Engarde 25 SG Herbicide to include a claim of control of volunteer canola, including volunteer glyphosate-tolerant canola, when applied at the reduced rate of 30 g/ha (7.5 g a.i./ha) in combination with 0.2% 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 maximum 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, which is similar to Engarde 25 SG Herbicide. 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.

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 Engarde 25 SG 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 pre-emergence and post-emergence use of Engarde 25 SG Herbicide in field corn at 7.5 g a.i./ha with 0.2% 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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