



Evaluation Report for Category B, Subcategory 3.11 Application

Application Number: 2015-0902
Application: New Pest
Product: Elim[®] 25 SG Herbicide
Registration Number: 29641
Active ingredients (a.i.): rimsulfuron
PMRA Document Number : 2550979

Background

Elim 25 SG Herbicide, a soluble granule formulation, was first registered on June 4, 2010. It is registered for pre-emergence and post-emergence use in field corn in Eastern Canada and the Red River Valley region of Manitoba at the rate of 60 g/ha (15 g a.i./ha) and with 0.2% v/v of a labelled non-ionic surfactant 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 is to expand the registration of Elim 25 SG Herbicide to include a claim of control of volunteer canola, including 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. Trial sites were infested with or seeded to glyphosate-tolerant

canola. Volunteer canola at the cotyledon to 5-leaf stage was consistently controlled by a post-emergence application of 7.5 or 15 g a.i./ha Elim 25 SG Herbicide plus 0.2% v/v Agral 90 adjuvant when evaluated mid- and late-season. The level of control was similar for the two rate treatments as well as for the tank mixture treatments of these rates of Elim 25 SG Herbicide plus 900 g a.e./ha Roundup WeatherMax. Control of volunteer canola at the same development stage would also be expected following an application of 7.5 Elim 25 SG Herbicide plus 0.2% v/v Agral 90 prior to crop emergence.

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 Elim 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 Elim 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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